

UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF COLUMBIA

UNITED STATES OF AMERICA,

Plaintiff,

v.

CUMMINS INC.,

Defendant.

PEOPLE OF THE STATE OF
CALIFORNIA,

Plaintiff,

v.

CUMMINS INC.,

Defendant.

CONSENT DECREE

TABLE OF CONTENTS

I.	JURISDICTION AND VENUE	5
II.	APPLICABILITY	6
III.	DEFINITIONS.....	7
IV.	CIVIL PENALTY.....	18
V.	APPROVAL OF SUBMISSIONS; U.S./EPA/CARB DECISION-MAKING	20
VI.	COMPLIANCE REQUIREMENTS.....	23
	A. 2013-2019 RAM Compliance.....	23
	B. 2019-2023 RAM Compliance.....	35
	C. Enhanced Vehicle Testing	36
	D. Corporate Compliance	45
VII.	MITIGATION.....	52
VIII.	REPORTING REQUIREMENTS	59
IX.	STIPULATED PENALTIES	64
X.	FORCE MAJEURE	75
XI.	DISPUTE RESOLUTION	78
XII.	INFORMATION COLLECTION AND RETENTION	81
XIII.	EFFECT OF SETTLEMENT/RESERVATION OF RIGHTS.....	84
XIV.	COSTS	88
XV.	NOTICES AND SUBMISSIONS.....	88
XVI.	EFFECTIVE DATE.....	92
XVII.	RETENTION OF JURISDICTION.....	92
XVIII.	MODIFICATION	92
XIX.	TERMINATION.....	93
XX.	PUBLIC PARTICIPATION	94
XXI.	SIGNATORIES/SERVICE.....	95
XXII.	INTEGRATION	95
XXIII.	26 U.S.C. SECTION 162(f)(2)(A)(ii) IDENTIFICATION.....	96
XXIV.	HEADINGS	96
XXV.	APPENDICES	96
XXVI.	FINAL JUDGMENT	97

CONSENT DECREE

A. Plaintiff the United States of America, on behalf of the United States Environmental Protection Agency (“EPA”), is concurrently with the lodging of this Consent Decree filing a complaint in this action (the “U.S. Complaint”) alleging that Defendant Cummins Inc. (“Cummins”) violated Sections 203(a)(1) and (a)(3) of the Clean Air Act (the “Act”), 42 U.S.C. §§ 7522(a)(1) and (a)(3).

B. The U.S. Complaint alleges that Cummins committed those violations with respect to nearly one million Model Year (“MY”) 2013-2023 RAM 2500 and RAM 3500 vehicles equipped with 6.7 liter diesel engines, where Cummins manufactured the vehicle engines and sought the air pollutant emissions-related EPA Certificates of Conformity and California Air Resources Board (“CARB”) Executive Orders that were legally required for those vehicles (collectively, the “Subject Vehicles”).

C. The U.S. Complaint and this Consent Decree separate the Subject Vehicles into two distinct sub-categories based on their MYs and electronic control unit software configurations/calibrations, with those two vehicle sub-categories described and defined below and in Appendix A hereto as: (i) the “2013-2019 RAMs” and (ii) the “2019-2023 RAMs.” As defined below and in Appendix A, the 2019 RAMs are included in both sub-categories because the 2019 RAMs have different software calibrations that distinguish those vehicles.

D. The U.S. Complaint alleges that the 2013-2019 RAMs had certain software functions and calibrations that caused the emission control system of those vehicles to perform differently — and sometimes underperform — during normal vehicle operation and use than during emissions testing. The U.S. Complaint alleges that, during normal vehicle operation and use, the 2013-2019 RAMs have emitted increased levels of oxides of nitrogen (“NOx”). The

U.S. Complaint alleges that some of the software functions and calibrations installed in the 2013-2019 RAMs are prohibited Defeat Devices under the Act. Finally, the U.S. Complaint alleges that some software functions and calibrations in the 2013-2019 RAMs constituted Auxiliary Emission Control Devices (“AECDs”) that were either not disclosed or not adequately disclosed during the vehicle emission certification process, in violation of the Act.

E. The U.S. Complaint alleges that some software functions and calibrations in the MY 2019-2023 RAMs constituted AECDs that were either not disclosed or not adequately disclosed during the vehicle emission certification process, in violation of the Act. The U.S. Complaint does not allege that the 2019-2023 RAMs were equipped with prohibited Defeat Devices.

F. The People of the State of California, acting by and through Rob Bonta, Attorney General of the State of California (the “California Attorney General”), and CARB (collectively, “California Plaintiffs”), are concurrently with the lodging of this Consent Decree filing a complaint in this action (the “California Complaint”) against Cummins. This Consent Decree partially resolves the claims in the California Complaint. In the California Complaint, CARB alleges that Cummins violated certain provisions of California law — including without limitation California Health and Safety Code sections 43008.6, 43016, 43106, 43151, 43154, 43211, and 43212; California Vehicle Code section 27156; 13 C.C.R. §§ 1961, 1961.2, 1965, and 1968.2; and 42 U.S.C. § 7604 and 40 C.F.R. § 54.3 — with regard to approximately one-hundred thousand MY 2013-2023 RAM 2500 and RAM 3500 vehicles equipped with diesel engines manufactured by Cummins and sold and/or distributed in California (a subset of the Subject Vehicles). In the California Complaint, the California Attorney General also alleges that Cummins violated provisions of California law — including without limitation California

Business and Professions Code sections 17200 et seq., based on predicate violations by Cummins of federal and state statutes and regulations, and California Civil Code section 3494—with regard to the MY 2013-2023 RAM 2500 and RAM 3500 vehicles. A separate proposed Consent Decree between Defendant and the California Plaintiffs has been lodged concurrently with this Consent Decree (“California Partial Consent Decree”). The California Partial Consent Decree resolves the remaining claims in the California Complaint, including the claims brought by the California Attorney General.

G. The California Complaint alleges, among other things, that the Subject Vehicles sold or distributed in California contain undisclosed AECDs and/or prohibited Defeat Devices, and undisclosed running changes and field fixes, in violation of California law, and that some have resulted in increased NOx emissions from each Subject Vehicle in excess of California limits.

H. Cummins denies the allegations in the Complaints and does not admit any liability to the United States, the California Plaintiffs, or otherwise arising out of or in connection with the allegations in the Complaints.

I. Based on information and submissions provided by Cummins, EPA and CARB annually certified that the software configurations/calibrations installed in the Subject Vehicles complied with the requirements of the Act and, as to CARB, also with California law.

J. After certification of the MY 2023 Subject Vehicles, Cummins submitted supplemental AECD disclosures for those vehicles on December 21, 2022, which added a disclosure for a software feature identified as an “Alternative NOx Conversion Target Table.”

K. Before the lodging of this Consent Decree, Cummins: (i) devised Emission Modifications (as defined below) for the 2013-2019 RAMs; (ii) conducted vehicle testing with

the Emissions Modifications in accordance with protocols reviewed by EPA and CARB; and (iii) commenced installation of its revised software configurations/calibrations as updates for Eligible Vehicles (as defined below) through a set of vehicle recall programs.

L. The Emission Modifications that have been and will be installed in Eligible Vehicles update the emission control software of the 2013-2019 RAMs with upgraded calibrations that are designed to achieve better emission performance. The installation of the Emission Modifications does not involve or require any associated mechanical adjustments or parts replacements.

M. After the lodging of this Consent Decree, Cummins will ensure the continued installation of its revised software configurations/calibrations as updates for Eligible Vehicles through ongoing vehicle recall programs conducted in accordance with the requirements of this Consent Decree.

N. Based upon the results of the prior vehicle testing with Cummins' revised software configurations/calibrations and the additional testing required by this Consent Decree, EPA and CARB consider the updates to the Eligible Vehicles, together with the other terms set forth in this Consent Decree, to be an appropriate remedy for, and to resolve in full, their respective allegations in the Complaints, as set forth in Section VI.A (2013-2019 RAM Compliance) of this Consent Decree. However, this Consent Decree does not resolve the claims of the California Attorney General alleged in the California Complaint, which are resolved by the California Partial Consent Decree.

O. The Parties recognize, and the Court by entering this Consent Decree finds, that the United States and CARB are not issuing new Certificates of Conformity or Executive Orders, respectively, for the Subject Vehicles, nor are they revoking the existing Certificates of

Conformity or Executive Orders for the Subject Vehicles. The Parties also recognize that the requirements of this Consent Decree only apply to imports and sales into the United States.

P. The Parties recognize, and the Court by entering this Consent Decree finds, that this Consent Decree has been negotiated by the Parties in good faith and will avoid litigation among the Parties and that this Consent Decree is fair, reasonable, and in the public interest.

NOW, THEREFORE, before the taking of any testimony, without the adjudication or admission of any issue of fact or law except as provided in Section I, and with the consent of the Parties, IT IS HEREBY ADJUDGED, ORDERED, AND DECREED as follows:

I. JURISDICTION AND VENUE

1. This Court has jurisdiction over the subject matter of this action, pursuant to 28 U.S.C. §§ 1331, 1345, and 1355, and Sections 203, 204, and 205 of the Act, 42 U.S.C. §§ 7522, 7523, and 7524, and over the Parties. Venue lies in this District pursuant to 28 U.S.C. § 1391 and 1395(a). The Court has supplemental jurisdiction over the California State law claims pursuant to 28 U.S.C. § 1367. For purposes of this Consent Decree, or in any action to enforce this Consent Decree, Cummins consents to this Court's jurisdiction over this Consent Decree and over any action to enforce this Consent Decree, and over Cummins, and consents to venue in this judicial district. Cummins reserves the right to challenge and oppose any claims to jurisdiction that do not arise from the Court's jurisdiction over this Consent Decree or an action to enforce this Consent Decree.

2. For purposes of this Consent Decree only, Cummins agrees that: (i) the U.S. Complaint states claims upon which relief may be granted pursuant to Sections 203, 204, and 205 of the Act, 42 U.S.C. §§ 7522, 7523, and 7524; and (ii) the California Complaint states claims upon which relief may be granted pursuant to California Health and Safety Code sections

43008.6, 43016, 43151, 43154, 43211, and 43212; California Vehicle code section 27156; 13 C.C.R. §§ 1961, 1961.2, 1965, and 1968.2; and 42 U.S.C. § 7604 and 40 C.F.R. § 54.3.

II. APPLICABILITY

3. The obligations of this Consent Decree apply to and are binding upon the United States and CARB, and upon Cummins and any successors, assigns, or other entities or persons otherwise bound by law.

4. No transfer of ownership or operation, whether in compliance with the procedures of this Paragraph or otherwise, shall relieve Cummins of its obligation to ensure that the terms of the Decree are implemented. At least 30 Days prior to such transfer, Cummins shall provide a copy of this Consent Decree to the proposed transferee and shall simultaneously provide written notice of the prospective transfer, together with a copy of the proposed written agreement, to the United States, CARB, and the California Attorney General in accordance with Section XV (Notices and Submissions).

5. Cummins shall provide a copy of this Consent Decree to the members of its Board of Directors and to its officers and executives whose duties might reasonably include compliance with, or oversight of compliance with, any provision of this Consent Decree. Cummins shall also ensure that any contractor or Business Partner that will perform work required under this Consent Decree, or any agent or employee whose duties might reasonably include the performance of work required under this Consent Decree, are made aware of those requirements relevant to their performance. Cummins shall undertake reasonable best efforts to condition any contract for performance of work required under this Consent Decree upon performance of the work in conformity with the terms of this Consent Decree.

6. In any action to enforce this Consent Decree, Cummins shall not raise as a defense the failure by any of its officers, directors, employees, agents, contractors, or Business Partners to take any actions necessary to comply with the provisions of this Consent Decree, except in accordance with the provisions of Section X (Force Majeure), below.

III. DEFINITIONS

7. Capitalized terms used in this Consent Decree that are defined in the Act or in regulations promulgated pursuant to the Act have the meanings assigned to them in the Act or such regulations, unless otherwise provided in this Consent Decree. Likewise, where context-appropriate, capitalized terms that are defined in the California Health and Safety Code or in CARB regulations promulgated pursuant to the California Health and Safety Code shall have the meanings assigned to them in the California Health and Safety Code or such regulations, unless otherwise provided in this Consent Decree. Capitalized terms that are defined in this Consent Decree are defined for purposes of this Consent Decree only and are not defined or applicable for any other purpose. Whenever the capitalized terms set forth below are used in this Consent Decree, the following definitions apply:

- a. “2013-2019 RAMs” means the sub-category of Subject Vehicles identified as 2013-2019 RAMs in Appendix A.
- b. “2019-2023 RAMs” means the sub-category of Subject Vehicles identified as 2019-2023 RAMs in Appendix A.
- c. “2019-2023 RAM Software Configurations/Calibrations” means the Emissions Control System software configurations/calibrations prescribed by Cummins that are: (i) installed in the 2019-2023 RAMs as of the Date of Lodging; and

(ii) subsequently installed in the 2019-2023 RAMs as modifications or adjustments before Termination of this Consent Decree.

d. “Air Pollution Control Fund” means the fund established by California Health and Safety Code section 43015.

e. “Auxiliary Emission Control Device” or “AECD” has the meaning set forth in 40 C.F.R. § 86.1803-01.

f. “Business Day” means a calendar day that does not fall on a Saturday, Sunday, or federal or California holiday. In computing any period of time under this Consent Decree, where the last Day would fall on a Saturday, Sunday, a federal holiday, or a California or Indiana state holiday, the period shall run until the close of business of the next Business Day. The time in which any act provided by this Consent Decree is to be done is computed by excluding the first day, and including the last, unless the last day is a Saturday, Sunday, or federal, Indiana, or California holiday, and then it is also excluded.

g. “Business Partners” means: (1) Cummins’ First-Tier Customer; and (2) Dealers.

h. “CA AG” or “California Attorney General” means the California Attorney General Rob Bonta and any of his successors.

i. “Calendar Quarter” means the period of time in a calendar year from January 1- March 30, from April 1-June 30, from July 1-September 30, or from October 1-December 31. In measuring time by Calendar Quarters after the Consent Decree’s Effective Date, the Calendar Quarters after the Effective Date shall not be construed to include the Calendar Quarter that includes the Consent Decree’s Effective

Date. For example, if the Consent Decree's Effective Date is January 15 of a given year, then the first Calendar Quarter after the Effective Date is April 1-June 30 of that year.

j. "California" or "CA" means the State of California.

k. "California Complaint" means the complaint filed by the State of California in this action.

l. "California EMP Rate" means the California Emission Modification Program success rate of at least 85% for the 2013-2019 RAMs in California specified in Consent Decree Paragraph 24.d.

m. "CARB" means the California Air Resources Board and any of its successor departments or agencies.

n. "CDCS" means Consolidated Debt Collection System.

o. "CDX" means Central Data Exchange, the EPA's electronic reporting site which can be found at https://cdx.epa.gov/epa_home.asp.

p. "Certificate of Conformity" means the document that EPA issues to a vehicle or engine manufacturer to certify that a vehicle or engine class conforms to EPA requirements.

q. "Clean Air Act" or "Act" means 42 U.S.C. §§ 7401–7671q.

r. "Complaints" means the U.S. Complaint and the California Complaint.

s. "Confidential Business Information" or "CBI" means information protected under 40 C.F.R. Part 2 and/or comparable California law, including California Government Code § 7920.000 et seq. and 17 C.C.R. §§ 91000 et seq.

t. "Consent Decree" or "Decree" means this Consent Decree and all appendices attached hereto (listed in Section XXV (Appendices)).

u. “Consumer Emission Modification Disclosure” means the disclosure to all affected Eligible Owners and Eligible Lessees made and described in Consent Decree Paragraphs 20.c and 21.c.

v. “Cummins” means Defendant Cummins Inc.

w. “Date of Lodging” means the day this Consent Decree is filed for lodging with the Court, before commencement of the opportunity for public comment envisioned by Section XX (Public Participation).

x. “Day” means a calendar day unless expressly stated to be a Business Day. In computing any period of time for a deadline under this Consent Decree, where the last day would fall on a Saturday, Sunday, a federal holiday, or a California or Indiana state holiday, the period runs until the close of business of the next Business Day. The time in which any act provided by this Consent Decree is to be done is computed by excluding the first day, and including the last, unless the last day is a Saturday, Sunday, or federal, Indiana, or California holiday, and then it is also excluded.

y. “Dealers” means RAM truck dealers authorized by the First-Tier Customer to sell and/or service Subject Vehicles in the United States.

z. “Defeat Device” has the meaning provided under 40 C.F.R. § 86.1803-01 and 42 U.S.C. § 7522(a)(3)(B).

aa. “Diesel Exhaust Fluid” or “DEF” means a liquid reducing agent used in conjunction with selective catalytic reduction to reduce NOx emissions. DEF is generally understood to be an aqueous solution of urea conforming to the specification of ISO 22241.

bb. “Diesel-Fueled Engines” means engines with operating characteristics significantly similar to the theoretical diesel combustion cycle. The non-use of a throttle during normal operation is indicative of a diesel engine as that term is used in 40 C.F.R. Part 86, Subpart S.

cc. “Diesel Fueled Vehicles” means vehicles equipped with Diesel-Fueled Engines.

dd. “DOJ” means the United States Department of Justice and any of its successor departments or agencies.

ee. “Effective Date” means the date upon which this Consent Decree is entered by the Court or a motion to enter the Consent Decree is granted, whichever occurs first, as recorded on the Court’s docket.

ff. “Eligible Lessee” means: (1) the current lessee or lessees of an Eligible Vehicle with an active lease as of the date the Eligible Vehicle receives the applicable Emission Modification; or (2) solely for purposes of any applicable Special Extended Warranty, the subsequent lessee or lessees of an Eligible Vehicle that has received the applicable Emission Modification.

gg. “Eligible Owner” means: (1) the owner or owners of an Eligible Vehicle on the day that the Eligible Vehicle receives or is eligible to receive the Emission Modification; or (2) solely for purposes of any applicable Special Extended Warranty, the subsequent owner or owners of an Eligible Vehicle that has received the Emission Modification.

hh. “Eligible Vehicle” means any 2013-2019 RAM that is: (1) registered with a state Department of Motor Vehicles or equivalent agency or held by a Dealer or

unaffiliated dealer and located in the United States; and (2) operable as of the date the vehicle is brought in for the Emission Modification. For the provisions of this Consent Decree concerning the MY 2019 Special Extended Warranty, the term “Eligible Vehicle” shall also include any MY 2019 RAM that was originally equipped with the 2019 Emission Modification (also known as MY 2019 RAM Software Calibration 3). “Eligible Vehicles” includes any RAM vehicles imported into the United States and equipped with the Pre-Replacement Software Configurations for the MY 2013-2018 RAMs or the MY 2019 RAMs.

ii. “Emission Control System” means all emission control devices, auxiliary emission control devices, engine modifications and strategies, and other elements of design that are used to control exhaust emissions of a vehicle.

jj. “Emission Modification” or “Emissions Modifications” means the revised software configurations/calibrations that Cummins and its Business Partners have been and will be installing in Subject Vehicles as part of the Emissions Modification Program outlined in Consent Decree Paragraph 20 (relating to the 2019 Emission Modification) and/or Consent Decree Paragraph 21 (relating to the 2013-2018 Emission Modification). The terms “Emission Modification” and “Emissions Modifications” shall also include and encompass any Allowable Emissions Modification Adjustments to the 2019 Emission Modification and/or the 2013-2018 Emission Modification that are made in compliance with Consent Decree Paragraph 23.

kk. “EPA” means the United States Environmental Protection Agency and any of its successor departments or agencies.

ll. “Field Fix” has the meaning pursuant to 40 C.F.R. § 86.1842-01(b) and/or 13 C.C.R. §§ 1961(d), 1961.2(d) and/or CARB Manufacturer’s Advisory Correspondence #79-002, “Field Fixes Involving Emission-Related Components,” (Jan. 31, 1979), and/or EPA Advisory Circular 2B, *Field Fixes Related to Emission Control-Related Components* dated March 17, 1975, as applicable.

mm. “First-Tier Customer” means FCA US LLC, which purchased Diesel-Fueled Engines from Cummins for use in Subject Vehicles that FCA US LLC manufactured.

nn. “Flat File” means a comprehensive file that consists of a series of rows of test records organized in columns of test parameters or variables from dynamometer tests. The unique records are identified in a tabular format by test vehicle, test ID, test type, and phase number. The tabular file is to be provided in Excel format.

oo. “Materials” means submissions and other documents, certifications, plans, reports, notifications, statements of position, data, or other information required by or submitted pursuant to this Consent Decree.

pp. “MIL” means the malfunction indicator light of the OBD system outlined in 13 C.C.R. § 1968.2 that illuminates to notify the vehicle operator of detected malfunctions.

qq. “Model Year” or “MY” has the meaning provided under 40 C.F.R. § 86.1803–01.

rr. “MY 2013-2018 RAMs” means the Subject Vehicles categorized and listed in Appendix A as MY 2013, MY 2014, MY 2015, MY 2016, MY 2017, and MY 2018 RAM vehicles.

ss. “MY 2018 RAMs” means the Subject Vehicles categorized and listed in Appendix A as MY 2018 RAM vehicles, including both the MY 2018 RAM vehicles in Test Group CEXD06.78VV2500 and the MY 2018 RAM vehicles in Test Group CEXD06.78WV.

tt. “MY 2018 RAM Emission Standard” means the following full useful life emissions standards: (1) for Test Group JCEXD06.78VV — Federal Tier 3, HD Class 2b, Bin 250, as set forth in 40 C.F. R. § 86.1816-18, and California LEV III ULEV250, as set forth in 13 C.C.R. § 1961; and (2) for Test Group JCEXD06.78WV — Federal Tier 3, HD Class 3, Bin 400, as set forth in 40 C.F. R. § 86.1816-18, and California LEV III ULEV400, as set forth in 13 C.C.R. § 1961.

uu. “MY 2019 RAMs” means the Subject Vehicles categorized and listed in Appendix A as MY 2019 RAM vehicles, including the MY 2019 RAM 2500 and MY 2019 RAM 3500 vehicles originally equipped with Software Calibration 1 and Software Calibration 3.

vv. “National EMP Rate” means the National Emission Modification Program success rate of at least 85% for the 2013-2019 RAMs in the United States specified in Consent Decree Paragraph 24.c.

ww. “NHTSA” means the National Highway Traffic Safety Administration and any of its successor departments or agencies.

xx. “NO_x” means oxides of nitrogen, i.e., the sum of the nitric oxide and nitrogen dioxide contained in a gas sample as if the nitric oxide were in the form of nitrogen dioxide.

yy. “On-Board Diagnostic System” or “OBD System” means all hardware, components, parts, sensors, subassemblies, software, AECDs, calibrations, and other elements of design that collectively constitute the system for monitoring all systems and components that must be monitored pursuant to the version of 13 C.C.R. § 1968.2 applicable at the time of certification for the particular Model Year of a Subject Vehicle, for the purpose of identifying and detecting malfunctions of such monitored systems and components, and for alerting the driver of such potential malfunctions by illuminating the MIL.

zz. “Paragraph” means a portion of this Consent Decree identified by an Arabic numeral.

aaa. “Parties” means the United States, the People of California by and through CARB, and Cummins.

bbb. “Pre-Replacement Software Configurations” means the Cummins-designed software configurations/calibrations in Subject Vehicles that were: (1) installed in certain MY 2019 RAMs before the commencement of the Emission Modification Program for MY 2019 outlined in Consent Decree Paragraph 20; and (2) installed in certain MY 2013-2018 RAMs before the commencement of Emission Modification Program for MY 2013-2018 outlined in Consent Decree Paragraph 21; and (3) installed in the 2019-2023 RAMs before the Date of Lodging.

ccc. “Records” means all non-identical copies of all documents, records, reports, or other information (including documents, records, or other information in electronic form).

ddd. “Root-Cause Evaluation” means an investigation of an In-Use Confirmatory Program (“IUCP”) noncompliance, as described in Paragraph 30.e of this Consent Decree, that occurs in a Subject Vehicle during implementation of this Consent Decree and which requires investigation pursuant to this Consent Decree. The purpose of the Root-Cause Evaluation is to identify the reason(s) why the IUCP noncompliance occurred. A Root-Cause Evaluation shall also include an assessment of whether the noncompliance is likely to occur in five or more Subject Vehicles and, if so, shall include the recommended actions to be taken by Cummins, if any, to address such noncompliance in Subject Vehicles.

eee. “Running Change” has the meaning provided under 40 C.F.R. § 86.1803-01.

fff. “Section” means a portion of this Consent Decree identified by a Roman numeral.

ggg. “Special Extended Warranty” means the warranty provided pursuant to the Consent Decree Paragraphs 19 and 26.

hhh. “Subject Vehicles” means any vehicles identified in Appendix A that were sold or offered for sale in (or introduced or delivered for introduction into commerce in) the United States and that are or were purported to have been covered by the EPA test groups listed in Appendix A, including such vehicles sub-categorized as 2013-2019 RAMs and 2019-2023 RAMs.

iii. “Submission” means any plan, report, application, or other item that is required to be submitted for approval pursuant to this Consent Decree.

jjj. “Test Group” means a vehicle family that is grouped together for certification and compliance purposes because the vehicles are expected to have similar emission characteristics throughout their useful life periods. Each Test Group is assigned a unique alphanumeric Test Group that begins with a one-digit model year date code. As used in this Consent Decree, the term “Test Group Suffix” means the portion of the alphanumeric Test Group code after the one-digit model year date code. For example, as shown in Appendix A, the Test Group Suffix for the 2019-2023 RAM 2500 vehicles is “CEXD06.78VV” and the Test Group Suffix for the 2019-2023 RAM 3500 vehicles is “CEXD06.78WV.”

kkk. “Undisclosed AECD” means an AECD installed in Subject Vehicles that:

- (1) Cummins developed and prescribed for installation in Subject Vehicles; and
- (2) Cummins did not list and describe as required by 40 C.F.R. § 86.1844-01(d)(11) and/or 40 C.F.R. § 86.1842-01. Provided, however, that solely for the purpose of this Consent Decree, the specially defined term “Undisclosed AECD” shall not include:
 - (1) the Alternative NOx Conversion Target Table AECD disclosed in Cummins’ December 21, 2022, supplemental AECD disclosure for MY 2023 Subject Vehicles; and
 - (2) prior versions or iterations of the Alternative NOx Conversion Target Table AECD previously installed in other Subject Vehicles.

lll. “United States” means the United States of America, acting on behalf of EPA. For the purpose of this Consent Decree, geographic references to the “United States” shall mean the United States of America’s 50 states, District of Columbia, and permanently inhabited territories of American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands.

mmm. “U.S. Complaint” means the complaint filed by the United States in this action.

nnn. “VIN” means vehicle identification number as defined in 49 C.F.R. § 565.12.

IV. CIVIL PENALTY

8. Civil Penalty Payments Under this Consent Decree. Within 30 Days after the Effective Date, Cummins shall pay the total sum of \$1,642,000,000 as a civil penalty, together with interest accruing from the Date of Lodging, at the rate specified in 28 U.S.C. § 1961. That civil penalty payment under this Consent Decree will be divided between the United States and CARB as follows:

a. Cummins shall pay the United States \$1,478,000,000 (together with the accrued interest on that amount).

b. Cummins shall pay CARB \$164,000,000 (together with the accrued interest on that amount).

9. Instructions for Payment to the United States.

a. Cummins shall pay the amount set forth in Paragraph 8.a to the United States by FedWire Electronic Funds Transfer to the DOJ account, in accordance with instructions provided to Cummins by the Financial Litigation Unit of the United States Attorney’s Office for the District of Columbia after the Effective Date. The payment instructions provided by the Financial Litigation Unit will include a CDCS number, which Cummins shall use to identify all payments required to be made in accordance with this Consent Decree. The Financial Litigation Unit will provide the payment instructions to:

Cummins Inc.
Treasury & Tax
500 Jackson Street, MC 60128
Email: To Be Provided by Cummins

on behalf of Cummins no later than five Business Days after the Effective Date.

Cummins may change the individual to receive payment instructions on its behalf by providing written notice of such change to DOJ and EPA in accordance with Section XV (Notices and Submissions).

b. At the time of payment to the United States, Cummins shall send notice that payment has been made: (i) to EPA via email at cinwd_acctsreceivable@epa.gov or via regular mail at EPA Cincinnati Finance Office, 26 W. Martin Luther King Drive, Cincinnati, Ohio 45268; (ii) to EPA via email or regular mail in accordance with Section XIV; and (iii) to DOJ via email or regular mail in accordance with Section XV (Notices and Submissions). Such notice shall state that the payment is for the civil penalty owed pursuant to the Consent Decree in *United States, v. Cummins Inc.* and shall reference the civil action number, CDCS Number and DOJ case number 90-5-2-1-12300.

10. Instructions for Payment to CARB.

a. Cummins shall pay the amount set forth in Paragraph 8.b to the “California Air Resources Board” by check, accompanied by a Payment Transmittal Form (which CARB will provide to the addressee listed in Paragraph 9.a no later than five Business Days after the Effective Date), with the check mailed to:

California Air Resources Board
Accounting Office
P.O. Box 1436
Sacramento, CA 95812-1436;

or by wire transfer, in which case Cummins shall use the following wire transfer information and send the Payment Transmittal Form to the above address prior to each wire transfer:

State of California Air Resources Board
c/o Bank of America, Inter Branch to 0148
Routing No. 0260-0959-3; Account No. 01482-80005
Notice of Transfer: Accounting; Fax: (916) 322-9612
Reference: United States v. Cummins, CARB Case #C00261.

Cummins is responsible for any bank charges incurred for processing wire transfers, and for replacing any checks due to a check bouncing or being lost in the mail.

b. Penalties paid to CARB under this Consent Decree shall be deposited into the Air Pollution Control Fund for the purpose of enhancing CARB's mobile source emissions control program through additional certification review, in-use evaluation, real-world testing, enforcement actions, and other CARB activities related to the control of air pollution.

11. At the time of payment to CARB, Cummins shall send electronic notice that payment has been made to CARB via email to CumminsCD@arb.ca.gov and by email in accordance with Section XV (Notices and Submissions).

12. Cummins shall not deduct any penalties paid under this Consent Decree pursuant to this Section IV (Civil Penalty) or Section IX (Stipulated Penalties) — or the accrued interest on such penalties — in calculating its federal, state, or local income tax.

V. APPROVAL OF SUBMISSIONS; U.S./EPA/CARB DECISION-MAKING

13. For purposes of this Consent Decree, unless otherwise specified in this Consent Decree:

a. with respect to any Submission, other obligation that requires approval or other decision by Plaintiffs, or force majeure claim of Cummins that concerns Section VI.A (2013-2019 RAM Compliance), EPA/CARB or the United States/CARB shall issue a joint or sole decision, as applicable, concerning the Submission, other obligation, or force majeure claim;

b. with respect to any Submission, other obligation that requires approval or other decision by Plaintiffs, or force majeure claim of Cummins that concerns Section VII (Mitigation), EPA or the United States shall issue a decision concerning the Submission, other obligation, or force majeure claim;

c. with respect to any other Submission, obligation that requires approval or decision by Plaintiffs, or force majeure claim of Cummins under this Consent Decree, the position of EPA or the United States, after consultation with CARB, shall control.

14. Except as otherwise specified after review of any Submission, EPA/CARB or the United States/CARB shall in writing: (i) approve the Submission; (ii) approve the Submission upon specified conditions; (iii) approve part of the Submission and disapprove the remainder; or (iv) disapprove the Submission. In the event of an approval upon specified conditions or a disapproval, in full or in part, of any portion of the Submission, if not already provided with the EPA/CARB or the United States/CARB written decision, upon the request of Cummins, EPA/CARB or the United States/CARB will provide in writing the reasons for such specified conditions or disapproval.

15. If the Submission is approved pursuant to (i) in Paragraph 14 above, Cummins shall take all actions required by the Submission, in accordance with the schedules and requirements of the Submission, as approved. If the Submission is conditionally approved or

approved only in part pursuant to (ii) or (iii) in Paragraph 14 above, Cummins shall, upon written direction from EPA/CARB or the United States/CARB, take all actions required by the Submission that EPA/CARB or the United States/CARB determine(s) are technically severable from any disapproved portions, subject to Cummins' right to dispute only the conditions EPA/CARB or the United States/CARB specified or the disapproved portions, under Section XI (Dispute Resolution).

16. If the Submission is disapproved, in whole or in part pursuant to (iii) or (iv) in Paragraph 14 above, Cummins shall, within 45 Days or such other time as the Parties agree to in writing, correct all deficiencies and resubmit the Submission, or disapproved portion thereof, for approval, in accordance with Paragraph 14. If the resubmission is approved in whole or in part, Cummins shall proceed in accordance with Paragraph 15.

17. If a resubmitted Submission is disapproved, in whole or in part, EPA/CARB or the United States/CARB may again require Cummins to correct any deficiencies, in accordance with Paragraph 16; or EPA/CARB or the United States/CARB may itself/themselves correct any deficiencies, and Cummins shall implement the Submission as modified by EPA/CARB or the United States/CARB, subject to Cummins' right to invoke the dispute resolution procedures set forth in Section XI (Dispute Resolution) and the right of EPA/CARB or the United States/CARB to seek stipulated penalties.

18. Any stipulated penalties applicable to the original Submission, as provided in Section IX (Stipulated Penalties), shall accrue during the 45-Day period or such other time as the Parties agreed to in writing pursuant to Paragraph 16, but shall not be payable unless the resubmission of the original Submission is untimely or is disapproved in whole or in part; provided that, if EPA or the United States, in consultation with CARB, determines that the

original Submission was so deficient as to constitute a material breach of Cummins' obligations under this Consent Decree, the stipulated penalties applicable to the original submission shall be due and payable notwithstanding any subsequent resubmission. In the event that EPA or the United States seeks stipulated penalties under this Paragraph, upon request of Cummins, EPA or the United States will provide in writing the reasons for such a finding of material deficiency, if not already provided with the EPA/CARB or United States/CARB written decision.

VI. COMPLIANCE REQUIREMENTS

A. 2013-2019 RAM Compliance.

19. Establishment and Maintenance of an Emission Modification Program and a Special Extended Warranty Program.

a. As described and provided by Paragraphs 20-27, Cummins shall establish and maintain, and shall cause its Business Partners to establish and maintain, a vehicle Emission Modification program for the 2013-2019 RAMs, which allows each Eligible Owner or Eligible Lessee to learn about the applicable Emission Modification for their Eligible Vehicle and arrange to have that Eligible Vehicle modified to operate with an Emission Modification (the "Emission Modification Program").

b. Cummins shall make the Emission Modification available, and shall cause its Business Partners to make the Emission Modifications available, to all Eligible Owners and Eligible Lessees at no cost. Cummins shall ensure, and shall cause its Business Partners to ensure, that no consumer payment or release of any Eligible Owner's or Eligible Lessee's rights or claims shall be required in exchange for performing the Emission Modification.

c. As a protective measure and an incentive for participation in the Emission Modification Programs, and as described and provided by Paragraph 26, Cummins shall establish and maintain, and shall cause its Business Partners to establish and maintain, a vehicle extended warranty program, which provides a specially tailored extended warranty for each Eligible Vehicle equipped to operate with an Emission Modification (the “Special Extended Warranty Programs”).

d. Cummins shall make the Special Extended Warranty available, and shall cause its Business Partners to make the Special Extended Warranty available, to all Eligible Owners and Eligible Lessees at no cost. Cummins shall ensure, and shall cause its Business Partners to ensure, that no consumer payment or release of any Eligible Owner’s or Eligible Lessee’s rights or claims shall be required in exchange for providing the Special Extended Warranty.

e. As described and provided by Paragraph 27, Cummins shall cause its Business Partners to ensure that information regarding the Emission Modification and Special Extended Warranty is made available online on a publicly available website that provides vehicle-specific information searchable by vehicle identification number (“VIN”).

f. The requirements outlined in this Paragraph shall continue in full force and effect after termination of the Consent Decree.

20. MY 2019 RAM Calibration Upgrade and Emissions Recall.

a. In February 2020, after consulting with EPA and CARB, Cummins caused its Business Partners to commence an emissions recall of MY 2019 RAMs to update their Pre-Replacement Software Configuration with an upgraded calibration that was designed

to achieve better emission performance (the “2019 Emission Modification”). Even before that emissions recall, Cummins had already begun equipping MY 2019 RAMs with the 2019 Emission Modification toward the end of the MY 2019 production run.

b. Cummins hereby certifies that the 2019 Emission Modification does not contain any Defeat Devices or Undisclosed AECDs.

c. In connection with the commencement of the emissions recall of MY 2019 RAMs, Cummins caused its Business Partners to send a Consumer Emission Modification Disclosure about the 2019 Emission Modification to affected Eligible Owners and Eligible Lessees.

d. By February 2022, Cummins informed EPA and CARB that the emissions recall of the MY 2019 RAMs had succeeded in replacing the original software calibration installed in those vehicles with the upgraded 2019 Emission Modification in: (i) more than 85% of the MY 2019 RAMs in the United States; and (ii) more than 94% of the MY 2019 RAMs in California.

e. Cummins shall ensure, and shall cause its Business Partners to ensure, that the 2019 Emission Modification will continue be offered to Eligible Owners and Eligible Lessees of MY 2019 RAMs and shall ensure that MY 2019 Eligible Vehicles will continue to be equipped with the 2019 Emission Modification.

21. MY 2013-2018 RAM Calibration Upgrade and Emissions Recall.

a. In November 2023, after consulting with EPA and CARB, Cummins commenced, and caused its Business Partners to commence, an emissions recall of MY 2013-2018 RAMs to update their Pre-Replacement Software Configurations with an

upgraded calibration that was designed to achieve better emission performance (the “2013-2018 Emission Modification”).

b. Cummins hereby certifies that the 2013-2018 Emission Modification does not contain any Defeat Devices or Undisclosed AECDs.

c. In connection with the commencement of the emissions recall of MY 2013-2018 RAMs, Cummins caused its Business Partners to send a Consumer Emission Modification Disclosure about the 2013-2018 Emission Modification to affected Eligible Owners and Eligible Lessees.

d. Cummins shall ensure, and shall cause its Business Partners to ensure, that the 2013-2018 Emission Modification will continue to be offered to Eligible Owners and Eligible Lessees of MY 2013-2018 RAMs and shall ensure that MY 2013-2018 Eligible Vehicles will continue to be equipped with the 2013-2018 Emission Modification.

22. General Terms and Conditions for Emission Modification Program.

a. Grounds for Refusal to Apply the Emission Modification to an Eligible Vehicle. If an Eligible Vehicle has been altered with the use of any after-market emissions-related components, parts, and/or software or the removal of any original emissions-related components, parts, and/or software, and such alteration(s) are likely to substantially affect the operation of the vehicle with the applicable Emission Modification or substantially impede installation of the Emission Modification, Cummins shall not be required (and Cummins shall not be required to cause its Business Partners) to install the Emission Modification on the Eligible Vehicle until the owner of such vehicle, at their expense, has reversed the alteration(s) such that the Emission Modification may be installed and not be substantially affected.

b. Scheduling. Cummins shall use commercially reasonable efforts, and shall cause its Business Partners to use commercially reasonable efforts, to install the applicable Emission Modification in a given Eligible Vehicle within 15 Days of the date on which an Eligible Owner or Eligible Lessee requests and schedules the modification. Cummins shall take reasonable steps, and Cummins shall cause its Business Partners to take reasonable steps, to ensure that no Eligible Owner or Eligible Lessee is required to wait more than 75 Days for a scheduled appointment to receive the Emission Modification after requesting an appointment.

23. Subsequent Emission Modification Adjustments to Subject Vehicles.

a. Prohibited Adjustments. After the Date of Lodging, Cummins shall not participate in any systematic campaign to adjust or modify the Emission Modification in 2013-2019 RAMs (including in any subset of the 2013-2019 RAMs) in a manner that may impair, decrease, or degrade the emission control performance of the vehicles' Emission Control System, or to install a configuration/calibration that contains a Defeat Device or an Undisclosed AECD, including through: (i) a recall pursuant to 40 C.F.R. Part 85, Subpart S, 40 C.F.R. § 85.1904, and/or 13 C.C.R. §§ 2111-2135; (ii) a Running Change and/or Field Fix; or (iii) any other systematic campaign to modify the Emission Modification.

b. Allowable Emission Modification Adjustments. After the Date of Lodging, Cummins may undertake or participate in systematic campaigns to adjust or modify the Emission Modification in 2013-2019 RAMs (including in any subset of the 2013-2019 RAMs) so long as the adjustments to the configuration/calibration will not impair, decrease, or degrade the emission control performance of the vehicles' Emission

Control System and do not contain a Defeat Device or an Undisclosed AECD (an “Allowable Emission Modification Adjustment”).

c. Pre-Adjustment Compliance and Certification Requirements. Before undertaking or participating in any systematic campaign to make an Allowable Emission Modification Adjustment, Cummins shall, as applicable: (i) comply with 40 C.F.R. Part 85, Subpart S, 40 C.F.R. § 85.1904, and/or CARB regulations, including 13 C.C.R. §§ 2111-2135, and, if applicable under the regulations, submit a recall report; or (ii) comply with applicable Running Change and/or Field Fix requirements; or (iii) comply with OBD requirements pursuant to 13 C.C.R. § 1968.5(d). In its initial written submission(s) required for compliance with the applicable requirements referenced in the preceding sentence, Cummins shall include a written explanation addressing why the adjustment or modification qualifies as an Allowable Emission Modification Adjustment — and why it does not constitute a Prohibited Adjustment — together with the required certification specified by Consent Decree Paragraph 50.

d. Modifications Approved by NHTSA.

(1) Notwithstanding Paragraphs 23.a and 23.b, Cummins may implement any modification to the 2013-2019 RAMs (including in any subset of the 2013-2019 RAMs) that has been reported to and approved by NHTSA either as a safety recall action or a voluntary campaign in accordance with 49 C.F.R. Part 573 (“Part 573 Report”).

(2) On the Day of submission to NHTSA of any Part 573 Report relevant to the 2013-2019 RAMs (including in any subset of the 2013-2019 RAMs), Cummins shall send written notification to EPA/CARB that Cummins

intends to implement a NHTSA modification and attach a copy of the Part 573 Report to the notification.

(3) No later than 90 Days after the submittal of the Part 573 Report to EPA/CARB, Cummins shall submit a follow-up notification to EPA/CARB that indicates whether the NHTSA-approved modification includes an Emission Control System- or OBD System-related calibration or hardware change to the 2013-2019 RAMs (including in any subset of the 2013-2019 RAMs). If the NHTSA-approved modification includes an Emission Control System- or OBD System-related calibration or hardware change to the vehicles, Cummins' follow-up notification to EPA/CARB shall also provide: (i) a description of the specific modifications, alterations, repairs, corrections, adjustments, or other changes to be made to the vehicles; and (ii) a description of the NHTSA-approved modification's expected influence on the performance or operation of the vehicles' Emission Control System and OBD System. For OBD-related modifications, Cummins' follow up notification shall also provide the information required by 13 C.C.R. § 1968.5(d). Cummins' follow up notification shall include the required certification specified by Consent Decree Paragraph 50.

(4) If EPA and CARB subsequently notify Cummins that the NHTSA-approved modification is non-compliant with regulatory requirements relating to environmental laws, Cummins shall, within 60 Days of such notification, either: (i) submit to EPA and CARB for review and approval a proposed plan and schedule for addressing the non-compliances identified by EPA and CARB (a "Response Plan"); or (ii) challenge EPA's and CARB's determination in

accordance with Section XI (Dispute Resolution). If Cummins believes that the non-compliances cannot be addressed without jeopardizing compliance with NHTSA requirements, Cummins shall set forth all the bases for this belief and submit a proposed Response Plan that provides for “no further action” to be taken to remedy the non-compliances identified by EPA and CARB.

(5) Upon receipt of written approval of a Response Plan by EPA and CARB, Cummins shall implement the Response Plan in accordance with the approved schedule. If EPA and CARB fail to make a determination within 60 Days of receipt of the Response Plan, Cummins may, at its discretion, consider the proposal to be denied for the purposes of invoking Dispute Resolution pursuant to Section XI (Dispute Resolution) of this Consent Decree.

24. Emission Modification Program Rate. Cummins shall ensure the installation of the 2013-2018 Emission Modification and the 2019 Emission Modification on the 2013-2019 RAMs, as applicable, to achieve Emission Modification Program Rates (“EMP Rates”) of at least 85% in the United States and in California by no later than three years after the Effective Date (the “EMP Rates Deadline”), as follows:

a. To assess Cummins’ progress toward and achievement of the EMP Rates for the 2013-2019 RAMs, Cummins shall receive credit for every Eligible Vehicle that has received the Emission Modification by the EMP Rates Deadline, excluding MY 2013-2015 RAM vehicles not equipped with a two-sensor SCR controller (the “Credited Vehicles”).

b. To assess Cummins’ progress toward and achievement of the EMP Rates for the 2013-2019 RAMs, the Parties have agreed to divide the number of Credited

Vehicles in the United States and California by agreed total baseline vehicle population figures for the United States and California, as indicated in Paragraphs 24.c and 24.d.

c. For the National EMP Rate. By no later than three years after the Effective Date, Cummins shall ensure installation of Emission Modifications to achieve a National EMP Rate of at least 85% for the 2013-2019 RAMs in the United States, computed as follows:

$$85\% = \frac{413,950}{487,000} \quad \begin{array}{l} \text{(agreed minimum number of U.S. Credited Vehicles)} \\ \text{(divided by)} \\ \text{(agreed baseline total U.S. vehicles, reflecting estimated attrition)} \end{array}$$

d. For the California EMP Rate.

(1) By no later than three years after the Effective Date, Cummins shall achieve a California EMP Rate of at least 85% for the 2013-2019 MY RAMs in California, computed as the total number of Eligible Vehicles registered with the California Department of Motor Vehicles (“DMV”) on the third anniversary of the Effective Date and calculating 85% of those DMV-registered Eligible Vehicles, which is as follows:

$$85\% = \frac{\text{Total California Credited Vehicles}}{\text{Total DMV registered Eligible Vehicles three years from Effective Date, excluding ineligible vehicles in accordance with Paragraph 22.a}} \quad \text{(divided by)}$$

(2) For purposes of the denominator of the California EMP Rate, Eligible Vehicles shall include all MY 2013-2019 RAM vehicles except for:

(i) MY 2019 RAM vehicles originally equipped with MY 2019 RAM Software Calibration 3 with a production date after October 1, 2019; and (ii) MY 2013-

2015 RAM vehicles not equipped with a two-sensor SCR controller. Included or excluded vehicles shall be determined by reference to VIN.

25. Sale and Export Restrictions.

a. After the Date of Lodging, Cummins shall instruct its Business Partners not to: (i) sell or cause to be sold, resell or cause to be resold, lease or cause to be leased, import, or otherwise introduce into commerce, any 2013-2019 RAM, unless it has received the applicable Emission Modification; or (ii) export from the United States to another country, any 2013-2019 RAM, unless it has received the applicable Emission Modification and any subsequent emission-related recalls.

b. After the Date of Lodging, Cummins shall ensure, and shall cause its Business Partners to ensure, that Cummins and its Business Partners shall not: (i) sell or cause to be sold, resell or cause to be resold, lease or cause to be leased, introduce into commerce, any 2013-2019 RAM, unless the 2013-2019 RAM has received the applicable Emission Modification; or (ii) export from the United States to another country, any 2013-2019 RAM, unless the 2013-2019 RAM has received the applicable Emission Modification and any subsequent emission-related recalls.

26. Special Extended Warranty Program.

a. In General. Cummins shall establish and maintain, and shall cause its Business Partners to establish and maintain, a Special Extended Warranty Program that provides a Special Extended Warranty for each Eligible Vehicle that has received or receives an Emission Modification. Subject to standard limitations that must be disclosed to Eligible Owners and Eligible Lessees, which may set forth exclusions like accident, abuse, neglect, or installation of unexempted parts (as that term is described in 13 C.C.R.

§ 2038(h)), and applicable existing warranty provisions that will remain in effect, the Special Extended Warranty shall cover the costs of all parts and labor, including diagnosis of any illuminated OBD MIL, needed to repair the items listed in Appendix B.1 (for MY 2019 RAMs) and Appendix B.2 (for MY 2013-2018 RAMs), as well as the cost or provision of a loaner vehicle for warranty service lasting longer than three hours where such a loaner vehicle is available. Cummins shall ensure, and shall cause its Business Partners to ensure, that no fees or charges are imposed on customers, and Cummins shall pay any fees or charges imposed by Dealers related to the warranty service.

b. Special Extended Warranty Period and Beneficiaries. The warranty period for the Special Extended Warranty shall be the greater of: (i) ten years from date of initial sale or 120,000 miles on the odometer (whichever comes first); or (ii) four years or 48,000 miles from the date of installation of the applicable Emission Modification (whichever comes first) (the “Special Extended Warranty Period”). However, for any Subject Vehicle that receives the Approved Emission Modification after the Recall Target Deadline, the warranty period shall be as described in the previous sentence, but in no event shall the Special Extended Warranty apply to or provide any coverage for the Subject Vehicle after December 31, 2033. As specified by Paragraph 19.f and Paragraph 128, these Special Extended Warranty duration requirements shall continue in full force and effect after termination of the Consent Decree. The Special Extended Warranty shall be associated with the vehicle and shall remain available to all Eligible Owners and Eligible Lessees during the vehicle’s Special Extended Warranty Period.

c. Grounds for Denial of Special Extended Warranty Coverage. Special Extended Warranty coverage may be denied if an Eligible Vehicle has been altered with

the use of any after-market emissions-related components, parts, and/or software, or with the removal of any original emissions-related components, parts, and/or software, and such alteration(s) are likely to substantially affect the operation of the vehicle with the Emission Modification, until the owner of such vehicle, at their expense, has reversed the alteration(s) such that the Emission Modification will not be substantially affected.

d. Other Warranty-Related Terms and Conditions.

(1) The Special Extended Warranty shall not modify, limit, or affect any state, local, or federal legal rights available to the Eligible Owners or Eligible Lessees. The warranty shall be subject to any remedies provided by state or federal laws, such as the Magnuson-Moss Warranty Act, that provide consumers with protections, including without limitation “Lemon Law” protections, with respect to warranties.

(2) In no event shall warranty coverage under the Special Extended Warranty be subject to service writers’ discretion.

(3) Neither the Special Extended Warranty, nor installation of the Emission Modification, shall supersede or void any outstanding warranty. To the extent there is a conflict between any Special Extended Warranty or Emission Modification requirements and any other warranty on any 2013-2019 RAMs, that conflict shall be resolved to the benefit of the consumer, and Cummins shall give written notice of the resolution to EPA and CARB in the next semi-annual report.

27. Online Access to Information.

a. Cummins has caused its First-Tier Customer to make information regarding the 2013-2018 Emission Modification and the 2019 Emission Modification

available online on a publicly available website for RAM vehicles that provides vehicle-specific information searchable by VIN at <https://www.mopar.com/en-us/my-vehicle/recalls/search.html> (the “RAM Recall Website”). As of the Date of Lodging, the information about the 2013-2019 RAMs on the RAM Recall Website includes:

(i) vehicle-specific information about the availability of an Emission Modification; (ii) vehicle-specific status indication on whether or not the pertinent Emission Modification has been completed; and (iii) a viewable and downloadable copy of the pertinent Consumer Emission Modification Disclosures.

b. By no later than 30 Days after the Effective Date, Cummins shall ensure, and shall cause its First-Tier Customer to ensure, that the information about the 2013-2019 RAMs is updated on the RAM Recall Website to add vehicle-specific information concerning the availability and coverage of the Special Extended Warranty for the Eligible Vehicles.

c. For at least 10 years after the Effective Date, Cummins shall ensure, and shall cause its First-Tier Customer to ensure, that the information referenced in Paragraphs 27.a and 27.b of this Consent Decree continues to be maintained on the RAM Recall Website or in a similarly accessible format that shall be accessible free of charge to owners, lessees, and prospective purchasers. This requirement shall continue after termination of the Consent Decree, as provided by Paragraph 19.f.

B. 2019-2023 RAM Compliance

28. Current Configurations/Calibrations. Cummins hereby certifies that, as of the Date of Lodging, the 2019-2023 RAM Software Configurations/Calibrations do not contain any Defeat Devices or Undisclosed AECDS.

29. Subsequent Adjustments.

a. Prohibited Adjustments. After the Date of Lodging, Cummins shall not participate in any systematic campaign to adjust or modify the 2019-2023 RAM Software Configurations/Calibrations (including for any subset of the 2019-2023 RAMs) in a manner that may impair, decrease, or degrade the NO_x control performance of the vehicles' Emission Control Systems, or to install a configuration/calibration that contains a Defeat Device or an Undisclosed AECD, including through: (i) a recall pursuant to 40 C.F.R. Part 85, Subpart S, 40 C.F.R. § 85.1904, and/or 13 C.C.R. §§ 2111-2135; (ii) a Running Change and/or Field Fix; or (iii) any other systematic campaign to modify the 2019-2023 RAM Software Configurations/Calibrations.

b. Modifications Approved by NHTSA. Notwithstanding Paragraph 29.a, Cummins may implement any modification to the 2019-2023 RAMs (including in any subset of the 2019-2023 RAMs) that has been reported to and approved by NHTSA either as a safety recall action or a voluntary campaign in accordance with a Part 573 Report, so long as the modification is implemented in a manner consistent with the requirements of Paragraph 23.d.

C. Enhanced Vehicle Testing

30. Emission Modification Enhanced In-Use Testing. In addition to any other compliance testing required by law, Cummins shall conduct Enhanced In-Use Testing that includes two rounds of In-Use Verification Testing and any required round of In-Use Confirmatory Program Testing of MY 2018 RAMs equipped with the 2013-2018 Emission Modification — including separate testing for vehicles in each MY 2018 RAM Test Group — as provided by this Paragraph.

a. Advance Notice to EPA and CARB. At least 15 Business Days before any planned Enhanced In-Use Testing, Cummins shall provide EPA and CARB written notice of the planned testing date and location. During the Enhanced In-Use Testing, Cummins shall afford EPA/CARB in-person access to the test facility upon request, as well as an opportunity for virtual observation upon request.

b. Testing Oversight. All Enhanced In-Use Testing required by this Paragraph shall be overseen and verified by representatives of the Cummins Product Compliance and Regulatory Affairs organization (“PCRA”).

c. Testing Timing and Requirements.

(1) Round 1 In-Use Verification Testing. Cummins shall complete a first round of scheduled In-Use Verification Testing within the seventh Calendar Quarter after the Consent Decree’s Effective Date, using high-mileage MY 2018 RAMs that have been in service for at least 12 months and driven for at least 10,000 miles since being equipped with the 2013-2018 Emission Modification. This In-Use Verification Testing shall conform to the substantive requirements for high-mileage manufacturer in-use verification testing specified by 40 C.F.R. § 86.1845-04.

(2) Round 2 In-Use Verification Testing. Cummins shall complete a second round of scheduled In-Use Verification Testing within the eleventh Calendar Quarter after the Consent Decree’s Effective Date, using high-mileage MY 2018 RAMs that have been in service for at least 24 months and driven for at least 20,000 miles since being equipped with the 2013-2018 Emission Modification. This In-Use Verification Testing shall conform to the substantive

requirements for high-mileage manufacturer in-use verification testing specified by 40 C.F.R. § 86.1845-04.

(3) In-Use Confirmatory Program Testing. If the results of a round of scheduled In-Use Verification Testing under Paragraph 30.c(1) or Paragraph 30.c(2) meet the criteria for additional in-use confirmatory testing specified by 40 C.F.R. § 86.1846-01(b), then Cummins shall complete a supplemental round of In-Use Confirmatory Program Testing that shall conform to the substantive and timing requirements for manufacturer in-use confirmatory testing specified by 40 C.F.R. § 86.1846-01 (“IUCP Testing”).

(4) For all In-Use Verification Testing and IUCP Testing performed under this Paragraph, Cummins shall provide EPA and CARB all downloads of all standardized OBD data, in accordance with 13 C.C.R. § 1968.2, of the tested vehicles. This data shall be collected both pre- and post-testing, on the as-received vehicles.

(5) If the results of any In-Use Verification Testing or IUCP Testing performed under this Paragraph exceed the applicable emission standard (after accounting for any applicable adjustment factors as described in Appendix G), Cummins shall formally notify EPA and CARB within 72 hours of the failure.

d. Reporting on Enhanced In-Use Testing. For all Enhanced In-Use Testing events completed under this Paragraph, Cummins shall submit to EPA and CARB all information specified by 40 C.F.R. § 86.1847-01 — together with an Enhanced In-Use Testing Report providing a narrative summary of the testing event results — in accordance with the timeframes specified by 40 C.F.R. § 86.1847-01. Cummins’

information submission and Enhanced In-Use Testing Report shall be made in accordance with Section XV (Notices and Submissions) and shall include the required certification specified by Consent Decree Paragraph 50.

e. Additional Actions and Reporting for IUCP Test Vehicle Failures.

(1) If one or more of the vehicles used for IUCP Testing under Paragraph 29.c(3) (“IUCP Test Vehicles”) failed to meet the applicable MY 2018 RAM Emission Standard during the IUCP Testing, then Cummins shall conduct a Root-Cause Evaluation to determine the reason(s) for the failure, and Cummins shall submit a Root-Cause Evaluation Report to EPA and CARB within 120 Days of the end of the IUCP Testing under Paragraph 29.c(3). As part of the Root-Cause Evaluation Report, Cummins shall analyze and report on whether the IUCP Test Vehicle’s emission test failure was due, in whole or part, to: (i) a failure of the Emission Modification; (ii) the lack of durability of the Emission Control System as modified by the Emission Modification; (iii) unrepresentative conditions unique to the IUCP Test Vehicle; (iv) other factors identified by Cummins; or (v) other possible factors proposed for further study by Cummins, which shall be analyzed in a supplemental Root-Cause Evaluation Report. Cummins’ Root-Cause Evaluation Report shall be made in accordance with Section IX and shall include the required certification specified by Consent Decree Paragraph 50.

(2) Noncompliance Determination. If, after considering a Root-Cause Evaluation Report submitted under Paragraph 30.e(1), EPA and CARB determine that one or more IUCP Test Vehicles failed the IUCP Testing due, in whole or in

part, to (i) a failure of the Emission Modification or (ii) the lack of durability of the Emission Control System as modified by the Emission Modification, then the agencies may issue a Noncompliance Determination if EPA and CARB determine that an issue that caused an IUCP Test Vehicle to fail the IUCP Testing is likely to occur in a substantial number of 2013-2018 RAMs or is likely to cause certain 2013-2018 RAMs to exceed applicable emission standards by substantial margins. If EPA and CARB issue a Noncompliance Determination, they will do so jointly and in writing, setting forth the factual, technical, and legal bases for their determination and addressing the recommendations and findings, if any, in Cummins' Root-Cause Evaluation Report(s).

(3) IUCP Failure Mitigation Plan. Within 90 Days after receipt of a Noncompliance Determination, Cummins shall submit an IUCP Failure Mitigation Plan proposing additional U.S. Mitigation Projects to offset the estimated excess emission from the 2013-2018 RAMs due to issues related to the Emission Modification that EPA/CARB identified in their Noncompliance Determination and a commensurate additional mitigation payment to CARB. The IUCP Mitigation Plan shall: (i) specify an estimated number of 2013-2018 RAMs (broken out by MY and between California and the United States) impacted by issues related to the Emission Modification that EPA/CARB identified in their Noncompliance Determination; (ii) the methodology used to estimate excess NOx emission from those impacted 2013-2018 RAMs; (iii) the additional U.S. Mitigation Projects that Cummins proposes to complete under Paragraph 43.b; and (iv) the methodology used to compute the proposed additional mitigation

payment to CARB. If EPA/CARB approve Cummins' IUCP Failure Mitigation Plan under Paragraph 14(i)-(iii), then Cummins shall implement the IUCP Mitigation Plan as approved by EPA/CARB.

31. Special Cycle Testing of Future Model Year Vehicles. As provided by this Paragraph, Cummins shall conduct dynamometer testing to demonstrate off-cycle tailpipe emissions and screen for undisclosed AECDs and/or Defeat Devices on MY 2026-2028 RAM 2500 and RAM 3500 Diesel-Fueled Vehicles equipped with engines manufactured by Cummins. The Parties agree and acknowledge that neither United States nor California law sets forth a standard by which off-cycle dynamometer testing can be used to determine compliance for purposes of certification under Title II of the Clean Air Act.

a. Advance Notice to EPA/CARB. At least 15 Business Days before any planned Special Cycle Testing, Cummins shall provide EPA/CARB written notice of the planned testing date and location. During the Special Cycle Testing, Cummins shall afford EPA/CARB in-person access to the test facility upon request, as well as an opportunity for virtual observation upon request.

b. Testing Oversight. All Special Cycle Testing required by this Paragraph shall be overseen by representatives of the Cummins Product Compliance and Regulatory Affairs organization.

c. Testing and Reporting Timing.

(1) Annual Precertification Testing for MY 2026-2028 RAM vehicles.

Cummins shall complete and report on annual Special Cycle Testing with MY 2026-2028 RAM vehicles before seeking vehicle emission certifications for the model year being tested. Through the data submissions and reports required by

Paragraph 31.f, Cummins shall report the results of such annual precertification Special Cycle Testing to the certification departments at EPA/CARB by no later than the date on which Cummins submits the Confirmation Test Decision Information (CTDI waiver request) for its emissions data vehicle(s).

(2) Retesting for Running Changes. If any Running Changes to powertrain controls software, powertrain hardware, or emissions control software are made to MY 2026-2028 RAM vehicles that may affect emissions performance, Cummins shall repeat Special Cycle Testing after making the Running Change, unless EPA/CARB grant Cummins a written waiver of this retesting requirement. Through the data submissions and reports required by Paragraph 31.f, Cummins shall report the results of the Running Change Special Cycle Testing to EPA/CARB by no later than 30 Days after the date of Cummins Running Change notification letter to EPA/CARB.

d. Vehicle Selection.

(1) For Annual Precertification Testing. Cummins shall conduct annual precertification Special Cycle Testing on one RAM vehicle from one Test Group per model year. After the first annual precertification test with one RAM vehicle from one MY 2026 Test Group, subsequent annual testing of later model year RAM vehicles shall utilize vehicles with different Test Group Suffixes until RAM vehicles with all Test Group Suffixes have been subjected to annual precertification Special Cycle Testing.

(2) For Retesting with Running Changes. For any Running Change to MY 2026-2028 RAMs, Cummins shall conduct Running Change Special Cycle

Testing on one RAM vehicle from the same Test Group used for the annual precertification Special Cycle Testing for the model year.

e. Special Cycle Testing. All Special Cycle Testing shall measure and record RAM vehicle emissions and other parameters listed in Paragraph 31.f throughout a dynamometer test cycle that approximates the operation of RAM vehicles on the LA Area Model Driving Route depicted and described in Appendix C. Consistent with the programming parameters included in Appendix C, the dynamometer shall be programmed to approximate the speed trace, road loads, and conditions during Portable Emissions Measurement System (“PEMS”) testing that Cummins completed with MY 2013-2018 RAMs on the LA Area Model Driving Route, and the dynamometer load shall be adjusted to appropriately account for varying road grades on the LA Area Model Driving Route.

(1) Vehicle Weight and Load. During each Special Cycle Test, the RAM vehicle shall begin with a full tank of fuel and the vehicle shall be weighted to simulate a vehicle load consisting of a driver, one passenger, and a PEMS unit.

(2) Preconditioning and Regeneration. Cummins shall perform a road load derivation and run one LA4 cycle prior to a Special Cycle Test. No other vehicle preconditioning shall be done before a Special Cycle Test. Cummins shall check the soot level on the diesel particulate filter before the test. If the soot level suggests that regeneration is imminent, Cummins may run the vehicle until the regeneration is complete. If a regeneration event occurs during a test, the data for that test session shall be discarded and the test session shall be repeated.

(3) Equipment. All Special Cycle Testing shall be conducted with use of a road speed fan and a four-wheel dynamometer.

(4) Test Conditions. All Special Cycle Testing shall be conducted at a standard ambient temperature between 68 and 86 degrees Fahrenheit. All Special Cycle Testing shall be done with the worst case emissions-related operating configuration for the RAM vehicle being tested (including but not limited to operation with the towing mode selector switch activated or any other worst case operating parameter Cummins deems appropriate).

f. Data Collection and Reporting. For each Special Cycle Testing event, Cummins shall collect the following data and information for submission to the certification departments at EPA/CARB:

(1) the test vehicle's Test Group code and the Cal ID and Calibration Verification Number codes that identify the calibration of the test vehicle's engine control module;

(2) industry standard span check traces and reports and other quality reports;

(3) a Flat File of each test that includes vehicle identification information, the VIN, and a test identification number;

(4) continuous concentration (expressed in parts per million) and mass (expressed in grams), as well as average emission rate (expressed in grams per mile), results generated for oxides of nitrogen (NO_x), total hydrocarbons (THC), non-methane hydrocarbons (NMHC), carbon monoxide (CO), and carbon dioxide

(CO₂) emissions in an unlocked .CSV file format that can be imported into a spreadsheet or database;

(5) all available OBDII parameters defined by SAE J1979/J1939, recorded by a nonproprietary OBD parameter recorder, also in an unlocked .CSV file format that can be imported into a spreadsheet or database;

(6) other parameters measured by the test site equipment, including continuous vehicle speed, air flow, and the test cell temperature in an unlocked .CSV file format that can be imported into a spreadsheet or database; and

(7) a processed analysis in Excel format with graphical presentation of distance, grade, vehicle speed, engine speed, exhaust gas recirculation flow, fuel flow, air flow, DEF dosing mass flow, and emission constituents (NO_x, THC, CO, etc.), with all results plotted on a continuous timescale.

Within the time specified by Paragraph 31.c(1) or Paragraph 31.c(2) (as applicable), Cummins shall submit this information together with a Special Cycle Testing Report that contains a narrative summary of the Special Cycle Testing results. Cummins' information submission and Special Cycle Testing Report shall be made in accordance with Paragraph 49 and shall include the required certification specified by Consent Decree Paragraph 50.

D. Corporate Compliance.

32. Cummins shall implement the Corporate Compliance provisions of this Consent Decree in conjunction with its existing corporate and compliance management activities to advance the goals of:

- a. preventing environmental compliance problems related to United States or California environmental laws and regulations from arising in the first instance;
- b. detecting any environmental compliance problems related to United States or California environmental laws and regulations that do arise; and
- c. responding to any environmental compliance problems related to United States or California environmental laws and regulations that arise, including modifying broader policies, processes, controls or any other activities that allowed the environmental compliance problem to arise, and self-disclosing, as appropriate, to EPA, CARB, and the California Attorney General where disclosure should have occurred in the first instance.

To meet the goals of this Section VI.B (2013-2019 RAM Compliance), Cummins has designed and will implement the measures described in Paragraphs 33-38 to target compliance with United States and California laws and regulations, including those governing vehicle emissions and certification.

33. Cummins Corporate Policies and Practices.

- a. Cummins has developed and shall continue to implement and enhance various corporate governance policies and practices in the areas of integrity, business ethics, and environmental compliance. Cummins describes these policies and practices in its Code of Business Conduct, on its Ethics and Compliance Violations and Reporting webpage; on its Ethics and Compliance Non-Retaliation webpage; in its Supplier Code of Conduct policies; and in other written policies.
- b. Among its corporate compliance policies and practices, Cummins has developed and shall continue to implement and enhance policies and practices focused

particularly on compliance with air pollutant emissions related laws and regulations.

These include practices and written policies related to compliance with Diesel-Fueled Engine and Diesel-Fueled Vehicle emission control and certification requirements (“Diesel Compliance”) such as maintaining: (i) a Cummins Off-Cycle Emissions Policy; (ii) several Cummins Engineering Standards on the AECD development process and on compliance with emission certification requirements and defeat device prohibitions; and (iii) formal training programs for Cummins employees on compliance with emission certification requirements and defeat device prohibitions.

c. Over the last few years, Cummins has made significant enhancements to its corporate compliance policies and practices focused on Diesel Compliance. These recent enhancements have included: (i) adding a question to the Cummins Annual Ethics Certification regarding compliance with, or violations of, emissions laws or regulations or Cummins’ compliance policies, procedures, or work instructions, including the prohibition against defeat devices; (ii) adding a section on emissions compliance to the Cummins Code of Business Conduct which highlights Cummins’ Off-Cycle Emissions Policy specifically; and (iii) assessing its compliance program.

34. Based on its assessment, Cummins has taken the following steps to reform and enhance its product emissions compliance programs, and Cummins shall maintain these measures as a requirement of this Consent Decree:

a. Separation of Functions and Establishment of a Product Compliance and Regulatory Affairs Component. Cummins has established and shall maintain a separation of work functions between its product development business components and its PCRA component, which was formed in 2020. Cummins’ PCRA organization includes a large

staff of dedicated global employees and Cummins shall continue to maintain an adequate staffing level for its PCRA organization. For Diesel Compliance matters, the head of the Cummins' PCRA organization currently reports, and shall continue to report, directly to Cummins' Chief Executive Officer or to another Cummins Executive Officer.

b. Enhanced Product Development Compliance Review Procedures.

Cummins has established and shall maintain certain enhanced internal review and consultation procedures that elevate compliance considerations in Cummins' internal product development processes for Diesel Compliance. These procedures include:

- (i) mandatory navigation of a formal engine product development process that requires PCRA compliance approvals at multiple steps in the product development process; and
- (ii) key decision making on product design acceptability/compliance by a multi-member Cummins AECD Technical Advisory Council.

c. Enhanced Employee Training and Certification. Cummins has established and shall maintain specific PCRA-managed programs for enhanced training and certification of employees with responsibility for product development, certification, and Diesel Compliance. These programs include: (i) mandatory Defeat Device Awareness & Prevention Training that designated employees receive on a two year refresher cycle; (ii) Emission Control Features Analysis Training that designated employees receive on a two year refresher cycle; (iii) periodic AECD Workshop training sessions led by Diesel Compliance experts; and (iv) a Cummins Emissions Academy training program with a dedicated training team, monthly instructor-led training programs, and dozens of specially tailored training modules for company employees.

d. Enhanced Internal Communications. Cummins has established and shall maintain enhanced internal communications measures focused on product compliance and regulatory affairs for Diesel Compliance. These measures include: (i) operation of a web-based and phone-based confidential ethics hotline; (ii) an annual ethics certification process for employees; (iii) periodic “town hall” style employee meetings with members of the PCRA organization; and (iv) periodic “Ask Us Anything” employee question and answer sessions hosted by the PCRA leadership team.

35. Employee Discipline and Compensation. Cummins shall continue to require employees to comply with environmental laws and regulations, including those governing Diesel Compliance. Upon discovery, receipt of a complaint, or other notice of potential non-compliance, Cummins shall review the matter and ensure appropriate remedial action is taken to prevent future similar incidents, such as discipline or termination, training or retraining, and disqualification of responsible employees for variable compensation or other discretionary compensation through application of company policy.

36. Ethics and Compliance Concern Reporting. Cummins shall continue to implement its existing web-based and phone-based ethics reporting systems as avenues to report environmental compliance issues, including Diesel Compliance issues. Those reporting systems shall continue to be centralized and available to all Cummins employees, and shall maintain the ability to report environmental compliance issues anonymously in the United States, and otherwise as permitted by local law. Cummins shall continue to prohibit retaliation against employees who raise concerns about adherence to, or who report violations of, environmental compliance requirements.

37. Compliance Risk Assessment. Cummins shall continue to perform annual and continual compliance risk assessment and compliance process evaluations for Diesel Compliance. Cummins shall implement any mitigation measures determined to address compliance risks and shall track completion of new mitigation measures for material risks, including risks related to compliance with U.S. and California laws and regulations governing Diesel-Fueled Engine and Diesel-Fueled Vehicle emissions and certification.

38. Verification and Control Requirements for Diesel Compliance. Commencing on the Date of Lodging and continuing thereafter, Cummins' PCRA shall oversee and ensure Cummins' compliance with the Defeat Device Verification, AECD Verification, Software Lifecycle Management Control, and Field Software Control requirements of this Paragraph 38 for each Diesel-Fueled Engine and each Diesel-Fueled Vehicle for which Cummins applies for a Certificate of Conformity or an Executive Order in California.

a. Defeat Device Verification. For each such Diesel-Fueled Engine or Diesel-Fueled Vehicle intended to be certified in the United States, Cummins shall perform a complete and accurate pre-certification verification that Cummins' final pre-certification software calibration does not include any Defeat Devices.

b. AECD Verification. For each such Diesel-Fueled Engine or Diesel-Fueled Vehicle intended to be certified in the United States, Cummins shall perform a complete and accurate pre-certification verification that the AECDs included in Cummins' final pre-certification software calibration match the AECDs identified in the final disclosure documentation to be submitted to EPA and CARB.

c. Software Lifecycle Management Control.

(1) Tracking and Recording of Certified Configuration(s). For each such Diesel-Fueled Engine or Diesel-Fueled Vehicle issued a Certificate of Conformity in the United States or an Executive Order in California, Cummins shall retain a complete and accurate record of its certified software configuration (as well as any changes to the certified software configuration) in a centralized database.

(2) Software Change Process. For any planned change to the previously certified software configuration for any such Diesel-Fueled Engine or Diesel-Fueled Vehicle issued a Certificate of Conformity in the United States or an Executive Order in California, Cummins shall perform a complete and accurate pre-verification that: (i) Cummins' changed software calibration does not include any Defeat Devices; and (ii) the AECDs included in Cummins' changed software calibration match the AECDs identified in the corresponding disclosure documentation to be submitted to EPA and CARB. As part of that pre-verification, Cummins shall perform a dataset check of all emissions-relevant software functions which compares the software datasets before and after the planned change to ensure that any planned change is accurately described in the disclosure documentation to be submitted to EPA and CARB.

d. Field Software Control. Within each 12-month period after the Effective Date, Cummins shall randomly select and conduct sample checks of the software configurations of calibrations in the emission control system of at least three Diesel-Fueled Vehicles certified in the United States to determine whether such software

configurations are consistent with the certified configuration of the vehicle or engine as reported to EPA and CARB (including any Field Fixes or Running Changes), and to confirm that any changes made by Cummins to the certified configuration were made in accordance with United States and California regulatory requirements, as applicable.

VII. MITIGATION

39. U.S. Mitigation Program. As set forth in Paragraphs 39-44, Cummins shall fully mitigate the total lifetime excess NOx emissions from 2013-2019 RAMs in the United States, excluding California, by implementing a program to reduce emissions from older locomotives (“Mitigation Program”).

a. The Mitigation Program shall include a suite of Mitigation Projects as determined by Paragraphs 40-42 below. Cummins shall complete the Mitigation Program by no later than June 30, 2029.

b. If required by Paragraph 42, Cummins shall carry out additional Mitigation Projects that reduce NOx emissions as determined by Paragraphs 40-42.

40. Types of Mitigation Projects. The Mitigation Program shall include a mix of the following types of Mitigation Projects:

a. Road Switch Locomotive Repowering Projects. For a Road Switch Locomotive Repowering Project, Cummins shall fund in whole, or carry out at its own expense, the repowering of an unregulated, Tier 0, Tier 0+, or Tier 1 road switch locomotive of between 1,500 and 3,800 horsepower. For purposes of Paragraphs 40.a and 40.b, “repowering” means: (i) replacing the existing engines with engines certified to EPA Tier 4 or more stringent locomotive emission standards; and (ii) permanently

retiring the replaced engines. A Road Switch Locomotive Repowering Project shall utilize one of the following replacement engines:

(1) A Road Switch Locomotive Repowering Project may utilize an engine that was not produced by Cummins that is certified to EPA Tier 4 or more stringent locomotive emission standards.

(2) After June 30, 2024, a Road Switch Locomotive Repowering Project may utilize a model year 2024 Cummins QSK50 engine certified to EPA Tier 4 or more stringent locomotive emission standards. In the first Semi-Annual Report after the Effective Date, Cummins shall certify that any model year 2024 Cummins QSK50 engine to be installed in any United States-based locomotive after June 30, 2024, does not contain in the Emission Control System any:

(i) defeat devices, as defined by 40 C.F.R. § 1033.115(f); or (ii) undisclosed auxiliary emission control devices, as defined by 40 C.F.R. § 1033.901.

(3) A Road Switch Locomotive Repowering Project may utilize a model year 2025 or later Cummins engine certified to EPA Tier 4 or more stringent locomotive emission standards. Cummins hereby certifies that any model year 2025 or later Cummins Emissions Control System in the engine used for a Road Switch Locomotive Repowering Project shall not contain any:

(i) defeat devices, as defined by 40 C.F.R. § 1033.115(f); or (ii) undisclosed auxiliary emission control devices, as defined by 40 C.F.R. § 1033.901.

b. Yard Switch Locomotive Repowering Projects. For a Yard Switch Locomotive Repowering Project, Cummins shall fund in whole, or carry out at its own expense, the repowering of an unregulated, Tier 0, or Tier 0+ yard switch locomotive as

defined in 40 C.F.R. § 1033.901. A Yard Switch Locomotive Repowering Project shall utilize one of the following replacement engines:

(1) A Yard Switch Locomotive Repowering Project may utilize an engine that was not produced by Cummins that is certified to EPA Tier 4 or more stringent locomotive emission standards.

(2) After June 30, 2024, a Yard Switch Repowering Project may utilize a model year 2024 Cummins QST30 engine certified to EPA Tier 4 or more stringent locomotive emission standards. In the first Semi-Annual Report after the Effective Date, Cummins shall certify that any model year 2024 Cummins QST30 engine to be installed in any United States-based locomotive after June 30, 2024, does not contain in the Emission Control System any:

(i) defeat devices, as defined by 40 C.F.R. § 1033.115(f); or (ii) undisclosed auxiliary emission control devices, as defined by 40 C.F.R. § 1033.901.

(3) A Yard Switch Locomotive Repowering Project may utilize a model year 2025 or later Cummins engine certified to EPA Tier 4 or more stringent locomotive emission standards. Cummins hereby certifies that any model year 2025 or later Cummins Emissions Control System in the engine used for a Yard Switch Locomotive Repowering Project shall not contain any:

(i) defeat devices, as defined by 40 C.F.R. § 1033.115(f); or (ii) undisclosed auxiliary emission control devices, as defined by 40 C.F.R. § 1033.901.

c. Switch Locomotive Idle Reduction Projects. For a Switch Locomotive Idle Reduction Project, Cummins shall fund in whole, or carry out at its own expense, projects that result in reduced idling time and therefore reduced fuel usage and reduced

emissions of NO_x, particulate matter, volatile organic compounds, and carbon dioxide from switch locomotives. A Switch Locomotive Idle Reduction Project may include:

- (i) outfitting a switch locomotive with automatic engine start/stop functionality;
- (ii) outfitting a switch locomotive with a battery powered auxiliary power unit;
- (iii) installing a fuel-fired or electric coolant heater system in a switch locomotive; or
- (iv) equipping a switch locomotive with a wayside power or shore system to supply electrical power in lieu of engine operation.

41. Mitigation Project Selection Criteria.

a. Project Types. The Mitigation Program shall consist of 14 Road Switch Locomotive Repowering Projects, 13 Yard Switch Locomotive Repowering Projects, and 50 Switch Locomotive Idle Reduction Projects. The number of Switch Locomotive Idle Reduction Projects shall be the number of switch locomotives that receive a Switch Locomotive Idle Reduction Project, even if a single switch locomotive receives multiple subcategory project types.

b. Geographic Diversity.

(1) In selecting Road Switch Locomotive Repowering Projects and Yard Switch Locomotive Repowering Projects, Cummins shall use reasonable best efforts to repower locomotives based in switchyards that are located in geographically diverse locations across the United States (excluding California), including at least one Yard Switch Locomotive Repowering Project located in each of the ten EPA regions.

(2) In selecting Switch Locomotive Idle Reduction Projects, Cummins shall use reasonable best efforts to carry out projects in switchyards that are

located in geographically diverse locations across the United States (excluding California).

c. Target Locomotives. In selecting Road Switch Locomotive Repowering Projects and Yard Switch Locomotive Repowering Projects, Cummins: (i) shall prioritize and use reasonable best efforts to repower unregulated locomotives; and (ii) shall thereafter prioritize the repowering of Tier 0, Tier 0+, and Tier 1 locomotives (in that order of priority).

d. Electrification. In carrying out Road Switch Locomotive Repowering Projects and Yard Switch Locomotive Repowering Projects, Cummins shall evaluate the potential to repower one or more unregulated, Tier 0, Tier 0+, or Tier 1 engines with electric locomotive motors. If Cummins chooses to carry out a Road Switch Locomotive Repowering Project or a Yard Switch Locomotive Repowering Project by replacing the existing engine with an electric motor, Cummins shall propose to the United States, for review and approval in accordance with Section V (Approval of Submissions), an appropriate NOx emissions reduction credit for that project.

42. Status Report and Proposals to Change Mix of Project Types.

a. By no later than two years after the Effective Date, Cummins shall submit to the United States a Mitigation Program Status Report that includes: (i) the number of Road Switch Locomotive Repowering Projects, Yard Switch Locomotive Repowering Projects, and Switch Locomotive Idle Reduction Projects carried out or in progress; (ii) the results of Cummins' evaluation of the potential to repower one or more unregulated, Tier 0, Tier 0+, or Tier 1 engines with electric locomotive motors pursuant

to Paragraph 41.d; and (iii) the expected total NOx emission reductions from the mix of Mitigation Project types specified in Paragraph 41.a.

b. As part of the Mitigation Program Status Report, or at any point prior to submission of the Mitigation Program Status Report, Cummins may propose a different mix of the Mitigation Project types identified in Paragraph 41.a (with quantities of Road Switch Locomotive Repowering Projects, Yard Switch Locomotive Repowering Projects, and Switch Locomotive Idle Reduction Projects that differ from those specified by Paragraph 41.a). Any such proposal shall include an estimate of the expected total NOx emission reductions from the different mix of Mitigation Project types proposed by Cummins. Any proposed mix of Road Switch Locomotive Repowering Projects, Yard Switch Locomotive Repowering Projects, and Switch Locomotive Idle Reduction Projects shall result in NOx emission reductions consistent with the expected total emission reductions from the mix of Mitigation Project types specified in Paragraph 41.a. Any Cummins proposal pursuant to this Paragraph shall be subject to review and approval by the United States in accordance with Section V (Approval of Submissions).

43. Additional Mitigation.

a. EMP Rate Shortfall Mitigation. If Cummins fails to achieve an 85 percent National EMP Rate by the date specified in Paragraph 24.c, Cummins shall perform additional Mitigation Projects that result in NOx emission reductions equal to or greater than the total excess NOx emissions from the National EMP Rate shortfall. If necessary, these additional Mitigation Projects shall be completed by no later than June 30, 2029. The requirements of this Paragraph are in addition to any stipulated penalties that may apply.

b. IUCP Failure Mitigation. Cummins shall perform additional Mitigation Projects as required by any IUCP Failure Mitigation Plan approved under Paragraph 30.e(3). The requirements of this Paragraph are in addition to any stipulated penalties that may apply.

44. Mitigation Program Certifications. With regard to the Mitigation Program, Cummins certifies the truth and accuracy of each of the following:

a. That, as of the date of executing this Consent Decree, Cummins is not required to perform or develop the Mitigation Program or any Mitigation Projects by any federal, state, or local law or regulation and is not required to perform or develop the Mitigation Program or any Mitigation Projects by agreement, grant, or as injunctive relief awarded in any other action in any forum;

b. That the Mitigation Program is not a Mitigation Program that Cummins was planning or intending to construct, perform, or implement other than in settlement of the claims resolved in this Consent Decree;

c. That Cummins has not received and will not receive credit for the Mitigation Program in any other enforcement action; and

d. That Cummins shall neither generate nor use any pollutant reductions from the Mitigation Program as netting reductions, pollutant offsets, or to apply for, obtain, trade, or sell any pollutant reduction credits.

45. California Mitigation Payment. Cummins has entered into a separate agreement with the California Plaintiffs, which is intended to fully mitigate the total lifetime excess NO_x emissions from the 2013-2019 RAMs in California. That agreement is set forth in the separate

California Partial Consent Decree between Cummins and the California Plaintiffs that has been lodged contemporaneously with this Consent Decree.

VIII. REPORTING REQUIREMENTS

46. Consent Decree Compliance Reports. Cummins shall submit reports documenting its compliance with the requirements of this Consent Decree in Semi-Annual Reports described by this Section and in certain other required reports referenced in other Sections of this Consent Decree.

47. Timing of Semi-Annual Reports. Unless otherwise specified in this Consent Decree, or the Parties otherwise agree in writing:

a. General Timing. For Semi-Annual Reports required under this Consent Decree, Cummins shall submit each Report within one month after the end of the applicable semi-annual reporting period (i.e., by January 31 for the reporting period from the preceding July to December and by July 31 for the reporting period from the preceding January to June).

b. Timing for First Semi-Annual Reports. If this Consent Decree's Effective Date is at least 45 Days before the end of a semi-annual period, Cummins' Semi-Annual Reports for the first partial reporting period shall be due by the last Day of the month following the end of that reporting period. For example, if the Effective Date is September 2, the first Reports shall be due on January 31 and shall cover the period from September 2 to December 31. If this Consent Decree's Effective Date is less than 45 Days before the end of a semi-annual period, Cummins' first Semi-Annual Reports shall not be due until the last Day of the month following the end of the next semi-annual

period. For example, if the Effective Date is December 3, the first Reports shall be due on July 31 and shall cover the period from December 3 to June 30.

c. Continued Submission of Semi-Annual Reports. Cummins shall continue submitting Semi-Annual Reports under this Consent Decree until this Consent Decree is terminated in accordance with Section XIX (Termination).

48. Contents of Semi-Annual Reports. Cummins shall submit separate Semi-Annual Reports to the United States, EPA, CARB, and the California Attorney General that include the content specified in the subparagraphs below. An agency shall not receive the content of a subparagraph unless the agency is specifically identified in the subparagraph or the agency otherwise requests the content.

a. Emission Modification Program.

(1) *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a written description of any problems encountered in implementing the Emission Modification Program since the last semi-annual reporting period and any solutions taken or planned.

(2) *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a narrative description and quantitative assessment of whether Cummins met the National EMP Rate and the California EMP Rate for the 2013-2019 RAMs during the semi-annual reporting period (recognizing that the attainment of the California EMP Rate will only be determined after the third anniversary of the Effective Date).

(3) *To the United States, EPA, and CARB:* The Semi-Annual Report shall include an Excel data spreadsheet listing each Credited Vehicle (identified

by VIN and separated by vehicles located in California and those outside of California, within the United States) that counts toward achievement of the EMP Rates.

(4) *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a written description of any Subsequent Emission Modification Adjustments to Subject Vehicles under Paragraph 23 since the last semi-annual reporting period.

b. Sale and Export Restrictions. *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a written description of any systematic problems encountered in satisfying the sale and export restriction requirements imposed by Paragraph 25 since the last semi-annual reporting period and any solutions taken or planned.

c. Special Extended Warranty Program. *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a written description of any systematic problems encountered in implementing the Special Extended Warranty Program since the last semi-annual reporting period and any solutions taken or planned.

d. Online Access to Information. *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a written description of any systematic problems encountered in implementing the requirements regarding online access to information under Paragraph 27 since the last semi-annual reporting period and any solutions taken or planned.

e. Enhanced Vehicle Testing. *To the United States, EPA and CARB:* The Semi-Annual Report shall provide a narrative summary of any activities since the last

semi-annual reporting period relating to Emission Modification Enhanced In-Use Testing under Paragraph 30 and Special Cycle Testing under Paragraph 31, including a written description of any systematic problems encountered in implementing the Enhanced Vehicle Testing program since the last semi-annual reporting period and any solutions taken or planned. This is in addition to the submission of the Special Cycle Testing information to the certification departments at EPA/CARB, as described in Paragraph 31.f.

f. Corporate Compliance.

(1) *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a written description of any systematic problems encountered in implementing the Corporate Compliance measures outlined in Section VI.D (Corporate Compliance) since the last semi-annual reporting period and any solutions taken or planned.

(2) *To the United States, EPA, and CARB:* The Semi-Annual Report shall provide a written description of any major systematic changes in Cummins' approach to the Corporate Compliance measures outlined in Section VI.D (Corporate Compliance) since the last semi-annual reporting period.

g. U.S. Mitigation Projects. *To the United States and EPA:* The Semi-Annual Report shall provide a narrative summary of the Mitigation Projects in progress and completed under Section VII (Mitigation) by the end of the semi-annual reporting period. For each Mitigation Project, the Semi-Annual Report shall: (i) identify the Mitigation Project type and the expected NOx emissions reduction for the Mitigation Project, which may reference earlier provided estimates; and (ii) identify whether each

Mitigation Project is being or has been completed as part of the Mitigation Program under Paragraph 39.a or as an additional Mitigation Project under Paragraph 43.a or 43.b.

49. Submission Method. Cummins shall submit each Semi-Annual Report, including any relevant documentation, and each other report required by this Consent Decree to the specified agencies with copies (as required) sent to EPA, DOJ, and CARB by electronic mail transmitted to the e-mail addresses set forth Section XV (Notices and Submissions).

50. Required Certification.

a. Each written report submitted by Cummins under this Section shall be signed by an official of the submitting party and include the following certification:

I certify under penalty of perjury that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

b. Cummins agrees that the certification required by this Paragraph 50 is subject to 18 U.S.C. §§ 1001(a) and 1621 and California Penal Code §§ 115, 118, and 132.

c. This certification requirement does not apply to emergency or similar notifications where compliance would be impractical.

51. Special Reporting Requirements. Whenever Cummins reasonably believes any violation of this Consent Decree or any other event affecting Cummins' performance under this Consent Decree may pose an immediate threat to the public health or welfare or the environment,

Cummins shall notify EPA and CARB by telephone and email as soon as possible, but no later than 24 hours after Cummins first reasonably believes the violation or event may pose an immediate threat to the public health or welfare or the environment.

52. The reporting requirements of this Consent Decree do not relieve Cummins of any reporting obligations required by the Act or implementing regulations, or by any other federal, state, or local law, regulation, permit, or other requirement.

53. Any information provided pursuant to this Consent Decree may be used by the United States or California in any proceeding to enforce the provisions of this Consent Decree and as otherwise permitted by law, and consistent with Paragraph 107 (regarding protected or otherwise confidential information).

IX. STIPULATED PENALTIES

54. Cummins shall be liable for stipulated penalties to the United States and CARB for violations of this Consent Decree as specified in this Section, unless excused under Section X (Force Majeure). A violation includes failing to perform any obligation required by the terms of this Consent Decree, including any work plan or schedule approved under this Consent Decree, according to all applicable requirements of this Consent Decree and within the specified time schedules established by or approved under this Consent Decree.

A. Civil Penalties.

55. Late Payment of Civil Penalty.

a. If Cummins fails to pay the civil penalty required to be paid to the United States under Paragraph 8 when due, Cummins shall pay the United States a stipulated penalty of 0.10% of the unpaid principal amount due to the United States per Day for each Day that the payment is late.

b. If Cummins fails to pay the civil penalty required to be paid to CARB under Paragraph 8 when due, Cummins shall pay CARB a stipulated penalty of 0.10% of the unpaid principal amount due to CARB per Day for each Day that the payment is late.

B. 2013-2019 RAM Compliance and 2019-2023 RAM Compliance.

56. Continuation of Emission Modification Programs. If Cummins fails to ensure continuation of an Emission Modification Program for any Eligible Vehicle as required by Paragraphs 19.b, 19.e, 20.e, and 21.d, Cummins shall pay stipulated penalties for each Day on which the Emission Modification Program should have been offered and maintained (but was not) as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$4,000	1 st through 14 th Day
\$10,000	15 th through 30 th Day
\$20,000	31 st Day and beyond

57. Sale and Export Restrictions. Cummins shall pay stipulated penalties of \$25,000 per affected Subject Vehicle for any violation of the sale, leasing, and export restrictions specified by Paragraph 25.

58. Establishment and Maintenance of Special Extended Warranty Programs.

a. If Cummins fails to ensure the establishment and maintenance of a Special Extended Warranty Program as required by Paragraphs 19.c, 19.d, 19.e, and 26 (and Appendix B), Cummins shall pay stipulated penalties for each Day on which the Special Extended Warranty Program should have been offered and maintained (but was not) through termination of this Consent Decree under Section XIX (Termination), as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$4,000	1 st through 14 th Day
\$10,000	15 th through 30 th Day
\$20,000	31 st Day and beyond

b. In addition to paying these stipulated penalties, Cummins shall reimburse any affected Eligible Owner or Eligible Lessee any amount paid by the Eligible Owner or the Eligible Lessee to Cummins or its Business Partners because of a failure to honor a Special Extended Warranty.

59. Failure to Meet Emission Modification Program Rate Targets.

a. If Cummins fails to achieve an 85 percent National EMP Rate by the date specified in Paragraph 24.c, Cummins shall pay the United States a stipulated penalty of \$8,000,000 for each percentage point that the National EMP Rate falls short of 85 percent.

b. If Cummins fails to achieve an 85 percent California EMP Rate by the date specified in Paragraph 24.d, Cummins shall pay CARB a stipulated penalty of: \$2,550,000 for each percentage point that the California EMP Rate falls short of 85 percent.

In calculating any payment under this Paragraph 59, each Emission Modification Program Rate shall be rounded to the nearest percentage point. The calculated percentage should first be rounded to two significant digits to the right of the decimal point. Then: (i) if the fractional portion of the percentage is .50 or more, round up (so 83.50% rounds to 84%); and (ii) if the fractional portion of the percentage is .49 or below, round down (so 83.49% rounds to 83%).

60. Failure to Comply with Prohibition on Defeat Devices. Cummins shall pay a stipulated penalty of \$50,000,000 per Defeat Device (for each affected Test Group listed in

Appendix A, but not per vehicle) if any of the following software configurations/calibrations installed in Subject Vehicles contain a Defeat Device: (i) the 2019 Emission Modification; (ii) the 2013-2018 Emission Modification; (iii) any prohibited adjustment to the Emissions Modifications for the 2013-2019 RAM covered by Paragraph 23.a; and/or (iv) the 2019-2023 RAM Software Configurations/Calibrations (including any prohibited adjustment covered by Paragraph 29).

61. Failure to Disclose AECDs. Cummins shall pay a stipulated penalty of \$250,000 per Undisclosed AECD (for each affected Test Group listed in Appendix A, but not per vehicle) if any of the following software configurations/calibrations installed in Subject Vehicles contain an Undisclosed AECD: (i) the 2019 Emission Modification; (ii) the 2013-2018 Emission Modification; (iii) any prohibited adjustment to the Emission Modifications for the 2013-2019 RAM covered by Paragraph 23.a; and/or (iv) the 2013-2023 RAM Software Configurations/Calibrations (including any prohibited adjustment covered by Paragraph 29). Stipulated penalties shall not be assessed under this Paragraph for any calibration features identified in the Confidential Business Information attachment to the December 12, 2023, letter from Cummins to the United States Department of Justice and the California Department of Justice.

C. Enhanced Vehicle Testing.

62. Failure to Provide Advance Notice of Enhanced Vehicle Testing. If Cummins fails to give EPA/CARB advance notice of enhanced vehicle testing in accordance with Paragraph 30.a or Paragraph 31.a, Cummins shall pay stipulated penalties for each Day of noncompliance, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$2,000	1 st through 14 th Day
\$3,000	15 th through 30 th Day
\$10,000	31 st Day and beyond

63. Emission Modification Enhanced In-Use Testing. If Cummins fails to comply with the Enhanced In-Use Testing requirements under Paragraph 30, Cummins shall pay stipulated penalties for each Day of noncompliance, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$5,000	1 st through 14 th Day
\$20,000	15 th through 30 th Day
\$50,000	31 st Day and beyond

64. Failure to Comply with Emission Standards Based on Emission Modification Enhanced In-Use Testing.

(1) If EPA/CARB issue a Noncompliance Determination under Paragraph 30.e(2) and then EPA/CARB approve Cummins' IUCP Failure Mitigation Plan under Paragraph 14(i)-(iii) and Paragraph 30.e(3), then Cummins shall pay a stipulated penalty of \$25,000,000.

(2) If EPA/CARB issue a Noncompliance Determination under Paragraph 30.e(2) and then EPA/CARB disapprove Cummins' IUCP Failure Mitigation Plan under Paragraph 14(iv) and Paragraph 30.e(3), then Cummins shall pay a stipulated penalty of \$50,000,000.

65. Special Cycle Testing of Future Model Year Vehicles. If Cummins fails to complete any annual precertification Special Cycle Testing or any Running Change Special Cycle Testing as required by Paragraph 31, Cummins shall pay stipulated penalties for each affected Test Group for each Day of noncompliance, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$5,000	1 st through 14 th Day
\$20,000	15 th through 30 th Day
\$50,000	31 st Day and beyond

D. Corporate Compliance.

66. Separation of Functions. Cummins shall pay stipulated penalties per Day for each Day that Cummins fails to implement and maintain any requirement of Paragraph 34.a, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$2,000	1 st through 14 th Day
\$10,000	15 th through 30 th Day
\$50,000	31 st Day and beyond

67. Employee Discipline and Compensation. Cummins shall pay stipulated penalties per Day for each Day that Cummins fails to implement and maintain any requirement of Paragraph 35, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$1,000	1 st through 14 th Day
\$2,500	15 th through 30 th Day
\$10,000	31 st Day and beyond

68. Ethics and Compliance Concern Reporting. Cummins shall pay stipulated penalties per Day for each Day that Cummins fails to implement and maintain any requirement of Paragraph 36, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$1,000	1 st through 14 th Day
\$2,500	15 th through 30 th Day
\$10,000	31 st Day and beyond

69. Verification and Control Requirements for Diesel Compliance. Cummins shall pay stipulated penalties per Day for each Day that Cummins fails to implement and maintain any requirement of Paragraph 38, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$2,000	1 st through 14 th Day
\$5,000	15 th through 30 th Day
\$10,000	31 st Day and beyond

E. Mitigation.

70. Failure to Comply with Prohibition on Defeat Devices in Locomotive Engines. Cummins shall pay the United States a stipulated penalty of \$50,000,000 per defeat device (for each affected engine family, but not per locomotive) if the Emissions Control System for any of the following locomotive engines contains a defeat device, as defined by 40 C.F.R.

§ 1033.115(f): (i) any model year 2024 Cummins QST30 or QSK50 engine installed in any United States-based locomotive after June 30, 2024; and/or (ii) any model year 2025 or later Cummins engine used for a Repowering Project under Paragraph 40.a or 40.b.

71. Failure to Disclose AECDs in Locomotive Engines. Cummins shall pay the United States a stipulated penalty of \$250,000 per auxiliary emission control device (for each affected engine family, but not per locomotive) if the Emissions Control System for any of the following locomotive engines contains an auxiliary emission control device, as defined by 40 C.F.R. § 1033.901, not disclosed in the application for certification: (i) any model year 2024 Cummins QST30 or QSK50 engine installed in any United States-based locomotive after March 31, 2024; and/or (ii) any model year 2025 or later Cummins engine used for a Repowering Project under Paragraph 40.a or 40.b.

72. Failure to Complete U.S. Mitigation Projects. If Cummins fails to complete all Mitigation Projects required by Paragraphs 39-41 by the specified deadlines contained in Paragraph 39.a, Cummins shall pay the United States the following stipulated penalties per violation per Day:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$5,000	1 st through 14 th Day
\$10,000	15 th through 30 th Day
\$20,000	31 st Day and beyond

73. Failure to Complete Additional Mitigation Projects. If Cummins fails to complete additional Mitigation Projects in accordance with the required amounts and deadlines in Paragraphs 43.a or 43.b, Cummins shall pay the United States the following stipulated penalties per violation per Day:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$5,000	1 st through 14 th Day
\$10,000	15 th through 30 th Day
\$20,000	31 st Day and beyond

F. Reporting Requirements and Testing and Information Requests.

74. Reports and Required Information Submissions. If Cummins fails to submit a report or information as required by Paragraphs 23.d, 30.d or 31.f, or Section VIII (Reporting Requirements), Cummins shall pay stipulated penalties for each Day of noncompliance, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$2,000	1 st through 14 th Day
\$5,000	15 th through 30 th Day
\$10,000	31 st Day and beyond

75. Requests Concerning Testing and Requests for Information. If Cummins fails to provide EPA or CARB with test vehicles, equipment, software, or information covered by Paragraphs 103 or 104 within 45 Days of a request by EPA/CARB, Cummins shall pay stipulated penalties for each Day of noncompliance with the request, as follows:

<u>Penalty per Day</u>	<u>Period of Noncompliance</u>
\$2,000	1 st through 14 th Day
\$5,000	15 th through 30 th Day
\$10,000	31 st Day and beyond

76. Stipulated penalties under this Section shall begin to accrue on the Day after performance is due or on the Day a violation occurs, whichever is applicable, and shall continue to accrue until performance is satisfactorily completed or until the violation ceases. Stipulated penalties shall accrue simultaneously for separate violations of this Consent Decree.

77. The United States, in consultation with CARB, shall issue any demand for stipulated penalties in writing to Cummins. The written demand for payment of stipulated penalties shall specifically identify the violation.

78. Cummins shall pay any stipulated penalties to the United States and CARB, as applicable, within 30 Days of receiving the written demand. Cummins shall pay 75 percent of the total stipulated penalty amount due to the United States and 25 percent to CARB, except for: (i) violations of the civil penalty payment requirements of Paragraph 8, for which Cummins shall pay stipulated penalties as specified by Paragraph 55; (ii) violations of the Emission Modification Program Rate requirements of Paragraph 24, for which Cummins shall pay stipulated penalties as specified by Paragraph 59; and (iii) violations of U.S. Mitigation Program requirements covered by Paragraphs 70-73, for which Cummins shall pay the entire stipulated penalty amount to the United States.

79. Either the United States or CARB may in the unreviewable exercise of its discretion, reduce or waive stipulated penalties otherwise due it under this Consent Decree. However, no action by either the United States or CARB may reduce or waive stipulated penalties due the other.

80. Stipulated penalties shall continue to accrue as provided in Paragraph 76 during any Dispute Resolution, but need not be paid until the following:

a. If the dispute is resolved by agreement of the Parties or by a decision of EPA/CARB that is not appealed to the District Court, Cummins shall pay accrued penalties determined to be owing, together with interest, to the United States and CARB, as applicable, within 30 Days of the effective date of the agreement or the receipt of EPA's/CARB's decision or order.

b. If the dispute is appealed to the District Court and the United States/California prevail(s) in whole or in part, Cummins shall pay all accrued penalties determined by the Court to be owing, together with interest, within 60 Days of receiving the Court's decision or order, except as provided in Paragraph 80.c, below.

c. If any Party appeals the District Court's decision and the United States/California prevails(s) in whole or in part, Cummins shall pay all accrued penalties determined to be owing, together with interest, within 15 Days of receiving the final appellate court decision.

d. The interest payable under this Paragraph shall accrue from 30 Days after Cummins' receipt of the written demand for penalties through the date of payment. The interest shall be computed at the rate specified in 28 U.S.C. § 1961 as of the date falling 30 Days after Cummins' receipt of the written demand for penalties.

81. Obligations Prior to the Effective Date. Upon the Effective Date, the stipulated penalty provisions of this Consent Decree shall be retroactively enforceable with regard to any and all violations of requirements of this Consent Decree that have occurred from the Date of Lodging to the Effective Date, provided that stipulated penalties that may have accrued prior to the Effective Date may not be collected unless and until this Consent Decree is entered by the Court.

82. Cummins shall pay stipulated penalties owing to the United States in the manner set forth and with the confirmation notices required by Paragraph 9, except that the transmittal letter shall state that the payment is for stipulated penalties and shall state for which violation(s) the penalties are being paid.

83. Cummins shall pay stipulated penalties owing to CARB by check, accompanied by a Payment Transmittal Form (which CARB will provide to the addressee listed in Paragraph 119 after the Effective Date), with each check mailed to:

California Air Resources Board,
Accounting Office
P.O. Box 1436
Sacramento, CA 95812-1436;

or by wire transfer, in which case Cummins shall use the following wire transfer information and send the Payment Transmittal Form to the above address prior to each wire transfer:

State of California Air Resources Board
c/o Bank of America, Inter Branch to 0148
Routing No. 0260-0959-3 Account No. 01482-80005
Notice of Transfer: Accounting; Fax: (916) 322-9612.
Reference: United States v. Cummins, CARB Case # C00261.

Cummins is responsible for any bank charges incurred for processing wire transfers. Stipulated penalties paid to CARB under this Consent Decree shall be deposited into the Air Pollution Control Fund for the purpose of enhancing CARB's mobile source emissions control program

through additional certification review, in-use evaluation, real-world testing, enforcement actions, and other CARB activities related to the control of air pollution.

84. If Cummins fails to pay stipulated penalties according to the terms of this Consent Decree, Cummins shall be liable for interest on such penalties, as provided for in 28 U.S.C. § 1961, accruing as of the date payment became due and continuing until payment has been made in full. Nothing in this Paragraph shall be construed to limit the United States or California from seeking any remedy otherwise provided by law for Cummins' failure to pay any stipulated penalties.

85. The payment of penalties and interest, if any, shall not alter in any way Cummins' obligation to complete the performance of the requirements of this Consent Decree.

86. Non-Exclusivity of Remedy. Stipulated penalties are not the United States' or California's exclusive remedy for violations of this Consent Decree, including violations of this Consent Decree that are also violations of law. Subject to the provisions of Section XIII (Effect of Settlement/Reservation of Rights), the United States and California expressly reserve the right to seek any other relief they deem appropriate for Cummins' violation of this Consent Decree or applicable law, including but not limited to an action against Cummins for statutory penalties, additional administrative or injunctive relief, mitigation or offset measures, and/or contempt. However, the amount of any statutory penalty assessed for a violation of this Consent Decree shall be reduced by an amount equal to the amount of any stipulated penalty assessed and paid pursuant to this Consent Decree (to the United States or to CARB, respectively).

X. FORCE MAJEURE

87. "Force majeure," for purposes of this Consent Decree, means any event arising from causes beyond the control of Cummins, of any entity controlled by Cummins, or of

Cummins’ contractors or Business Partners, that delays or prevents the performance of any obligation under this Consent Decree despite Cummins’ best efforts to fulfill the obligation. Given the need to protect public health and welfare and the environment, the requirement that Cummins exercise “best efforts to fulfill the obligation” includes using best efforts to anticipate any potential force majeure and best efforts to address the effects of any potential force majeure — as it is occurring and following the potential force majeure — such that any delay or non-performance is, and any adverse effects of the delay or non-performance are, minimized to the greatest extent possible. “Force majeure” does not include financial inability to perform any obligation under this Consent Decree.

88. If any event occurs for which Cummins will or may assert a claim of force majeure, Cummins shall provide initial notice to EPA/CARB by electronic mail transmitted to the e-mail addresses set forth Section XV (Notices and Submissions). The deadline for the initial notice is seven Days after Cummins first knew or should have known that the event would likely delay or prevent performance. Cummins shall be deemed to know of any circumstance of which any Business Partner of, contractor of, subcontractor of, or entity controlled by Cummins knew or should have known.

89. If Cummins seeks to assert a claim of force majeure concerning the event, within seven Days after the initial notice under Paragraph 88, Cummins shall submit a further notice to EPA/CARB by electronic mail transmitted to the e-mail addresses set forth Section XV (Notices and Submissions). That further notice shall include: (i) an explanation and description of the event and its effect on Cummins’ completion of the requirements of the Consent Decree; (ii) a description and schedule of all actions taken or to be taken to prevent or minimize the delay and/or other adverse effects of the event; (iii) if applicable, the proposed extension of time for

Cummins to complete the requirements of the Consent Decree; (iv) Cummins' rationale for attributing such delay to a force majeure; (v) a statement as to whether, in the opinion of Cummins, such event may cause or contribute to an endangerment to public health or welfare or the environment; and (vi) all available proof supporting the claim that the delay was attributable to a force majeure.

90. Failure to submit a timely or complete notice or claim under Paragraph 88 or 89 regarding an event precludes Cummins from asserting any claim of force majeure regarding that event.

91. If EPA/CARB agree that the delay or anticipated delay is attributable to a force majeure event, the time for performance of the obligations under this Consent Decree that are affected by the force majeure event will be extended by EPA/CARB for such time as is necessary to complete those obligations. An extension of the time for performance of the obligations affected by the force majeure event shall not, of itself, extend the time for performance of any other obligation. EPA/CARB will notify Cummins in writing of the length of the extension, if any, for performance of the obligations affected by the force majeure event.

92. If EPA/CARB do not agree that the delay or anticipated delay has been or will be caused by a force majeure event, EPA/CARB will notify Cummins in writing of that decision.

93. If Cummins elects to invoke the dispute resolution procedures set forth in Section XI (Dispute Resolution), it shall do so no later than 15 Days after receipt of EPA/CARB's notice. In any such proceeding, Cummins has the burden of proving that it is entitled to relief under Paragraph 87, that its proposed excuse or extension was or will be warranted under the circumstances, and that it complied with the requirements of Paragraphs 87-89. If Cummins carries this burden, the delay or non-performance at issue shall be deemed not

to be a violation by Cummins of the affected obligation of this Consent Decree identified to EPA/CARB and the Court.

XI. DISPUTE RESOLUTION

94. Unless otherwise expressly provided for in this Consent Decree, the dispute resolution procedures of this Section shall be the exclusive mechanism to resolve disputes arising between the Parties under or with respect to this Consent Decree. Cummins' failure to seek resolution of a dispute under this Section concerning an issue of which it had notice and an opportunity to dispute under this Section prior to an action by the United States or CARB to enforce any obligation of Cummins arising under this Consent Decree precludes Cummins from raising any such issue as a defense to any such enforcement action.

95. Informal Dispute Resolution. Any dispute subject to Dispute Resolution under this Consent Decree shall first be the subject of informal negotiations. The dispute shall be considered to have arisen when Cummins sends the United States and CARB a written Notice of Dispute. Such Notice of Dispute shall state clearly the matter in dispute. The period of informal negotiations shall not exceed 20 Days from the date Cummins sent its Notice of Dispute, unless that period is modified by a written agreement of the Parties. If the Parties cannot resolve a dispute by informal negotiations, then the position advanced by the United States/CARB shall be considered binding unless, within 30 Days after the conclusion of the informal negotiation period, Cummins invokes formal dispute resolution procedures as set forth below.

96. Formal Dispute Resolution. Cummins shall invoke formal dispute resolution procedures, within the time period provided in the preceding Paragraph, by sending the United States/CARB a written Statement of Position regarding the matter in dispute. The Statement of

Position shall include, but need not be limited to, any factual data, analysis, or opinion supporting Cummins' position and any supporting documentation relied upon by Cummins.

97. The United States/CARB will send Cummins its/their Statement of Position within 45 Days of receipt of Cummins' Statement of Position. The United States'/CARB's Statement of Position shall include, but need not be limited to, any factual data, analysis, or opinion supporting that position and any supporting documentation relied upon by the United States/CARB. The United States'/CARB's Statement of Position is binding on Cummins, unless Cummins files a motion for judicial review of the dispute in accordance with the following Paragraph.

98. Judicial Dispute Resolution. Cummins may seek judicial review of the dispute by filing with the Court and serving on the United States/CARB a motion requesting judicial resolution of the dispute. The motion must be filed within 30 Days of receipt of the United States' Statement of Position pursuant to the preceding Paragraph. The motion may not raise any issue that Cummins did not raise in informal dispute resolution pursuant to Paragraph 96 unless the issue was first raised by the United States'/CARB's Statement of Position. The motion shall contain a written statement of Cummins' position on the matter in dispute, including any supporting factual data, analysis, opinion, or documentation, and shall set forth the relief requested and any schedule within which the dispute must be resolved for orderly implementation of the Consent Decree.

99. The United States/CARB shall respond to Cummins' motion within the time period allowed by the Local Rules of this Court. Cummins may file a reply memorandum, to the extent permitted by the Local Rules.

100. Standard of Review.

a. Disputes Concerning Matters Accorded Record Review. Except as otherwise provided in this Consent Decree, in any dispute brought pursuant to Paragraph 96 that pertains to:

(i) the adequacy or appropriateness of plans or procedures to implement plans, schedules, or any other item that requires approval by EPA/CARB under this Consent Decree;

(ii) the adequacy of the performance of work undertaken pursuant to this Consent Decree; and/or

(iii) all other disputes that are accorded review on the administrative record under applicable principles of administrative law.

Cummins shall have the burden of demonstrating, based on the administrative record, that the position of EPA/CARB is arbitrary and capricious or otherwise not in accordance with law based on the administrative record. For purposes of this Paragraph, EPA/CARB will maintain an administrative record of the dispute, which will contain all statements of position, including supporting documentation, submitted pursuant to this Section. Prior to the filing of any motion, the Parties may submit additional materials to be part of the administrative record pursuant to applicable principles of administrative law.

b. Other Disputes. Except as otherwise provided in this Consent Decree, in any other dispute brought pursuant to Paragraph 96, Cummins shall bear the burden of demonstrating by a preponderance of the evidence that its position complies with this Consent Decree.

101. In any disputes brought under this Section, it is hereby expressly acknowledged and agreed that this Consent Decree was jointly drafted in good faith by the United States, California, and Cummins. Accordingly, the Parties hereby agree that any and all rules of construction to the effect that ambiguity is construed against the drafting party shall be inapplicable in any dispute concerning the terms, meaning, or interpretation of this Consent Decree.

102. The invocation of dispute resolution procedures under this Section shall not, by itself, extend, postpone, or affect in any way any obligation of Cummins under this Consent Decree, unless and until final resolution of the dispute so provides. Stipulated penalties with respect to the disputed matter shall continue to accrue from the first Day of noncompliance, but payment shall be stayed pending resolution of the dispute as provided in Paragraph 80. If Cummins does not prevail on the disputed issue, stipulated penalties shall be assessed and paid as provided in Section IX (Stipulated Penalties).

XII. INFORMATION COLLECTION AND RETENTION

103. Access to Information. The United States, CARB, and their representatives, including attorneys, contractors, and consultants (collectively, “Agency Representatives”), shall have the right of entry, upon presentation of credentials, at all reasonable times into any of Cummins’ offices, plants, or facilities:

- a. to monitor the progress of activities required under this Consent Decree;
 - b. to verify any data or information submitted to the United States or CARB
- in accordance with the terms of this Consent Decree;

c. to conduct or observe testing related to this Consent Decree, whereupon a representative of Cummins shall be given the opportunity to accompany the Agency Representatives conducting any such testing;

d. to obtain documentary evidence, including photographs and similar data;

e. to assess Cummins' compliance with this Consent Decree; and/or

f. for other purposes as set forth in 42 U.S.C. § 7542(b) and Cal. Gov't Code § 11180 et seq.

104. Requests Concerning Testing. Upon request, and for purposes of evaluating compliance with this Consent Decree, Cummins shall, as soon as is reasonably practicable, provide EPA/CARB or agency representatives at locations to be designated by EPA/CARB:

a. a reasonable number of the Subject Vehicles and/or any MY 2025-2028 RAM 2500 and RAM 3500 Diesel-Fueled Vehicles for emissions testing;

b. specified software, hardware, and related documentation for Subject Vehicles of specified configurations and/or any MY 2025-2028 RAM 2500 and RAM 3500 Diesel-Fueled Vehicles of specified configurations, including any tools needed for testing; and/or

c. other items or information that could be requested pursuant to 42 U.S.C. § 7542(a) or Cal. Gov't Code § 11180 et seq.

105. Records Retention and Access to Records.

a. Until three years after the termination of this Consent Decree, Cummins shall retain, and shall instruct its contractors and agents to preserve, all Records in its or its contractors' or agents' possession or control, or that come into its or its contractors' or agents' possession or control, and that relate in any manner to Cummins' performance of

its obligations under this Consent Decree. The United States and CARB have an interest in these Records, which are necessary to their ability to oversee and assess Cummins' compliance with the terms of this Consent Decree resolving the United States' and CARB's allegations in their respective Complaints. These information-retention requirements shall apply regardless of any contrary corporate or institutional policies or procedures. Nothing in this Paragraph shall apply to any documents in the possession, custody, or control of any outside legal counsel retained by Cummins in connection with this Consent Decree or of any contractors or agents retained by such outside legal counsel solely to assist in the legal representation of Cummins.

b. At any time during the three-year information-retention period specified by Paragraph 105.a, upon request by the United States or CARB, Cummins shall provide the requesting agency representative copies of any Records required to be maintained under Paragraph 105.a.

106. Privileged or Protected Information. Cummins may assert that certain Records contain material that is privileged or protected as provided under federal or California law. If Cummins asserts such a privilege or protection, Cummins shall provide the requesting agency representative a redacted version of the Record and the following information, if it is not apparent in the redacted version of the Record: (i) the title of the Record; (ii) the date of the Record; (iii) the name and title of each author of the Record; (iv) the name and title of each addressee and recipient; (v) a description of the subject of the Record; and (vi) the privilege or protection asserted by Cummins. However, Cummins may make no claim of privilege or protection regarding: (i) any data regarding the Subject Vehicles that Cummins is required to

create or generate pursuant to this Consent Decree; or (ii) the final version of a portion of any record that Cummins is required to create or generate pursuant to this Consent Decree.

107. Confidential Business Information. Cummins may also assert that Records required to be provided under this Consent Decree are protected as Confidential Business Information (“CBI”) under 40 C.F.R. Part 2 or 17 C.C.R. §§ 91000 et seq. As to any Record that Cummins seeks to protect as CBI, Cummins and the United States and/or California, as applicable, shall follow the procedures set forth in 40 C.F.R. Part 2, and, for California, in 17 C.C.R. §§ 91000 et seq.

108. This Consent Decree in no way limits or affects any right of entry and inspection, or any right to obtain information, held by the United States or California pursuant to applicable federal or state laws, regulations, or permits, nor does it limit or affect any duty or obligation of Cummins to maintain Records imposed by applicable federal or state laws, regulations, or permits.

XIII. EFFECT OF SETTLEMENT/RESERVATION OF RIGHTS

109. Effect of Settlement of Civil Claims of the United States. Subject to the reservations of rights in this Section XIII, this Consent Decree resolves only the civil claims of the United States for civil penalties and injunctive relief against Cummins through the Date of Lodging for: (i) the violations alleged in the U.S. Complaint; (ii) violations arising from or relating to the Pre-Replacement Software Configurations installed in the 2013-2019 RAMs; and (iii) violations arising from or relating to Cummins’ applications for a Certificate of Conformity for the Subject Vehicles and any information provided to EPA for the purpose of securing such certificates.

110. Effect of Settlement of Civil Claims of CARB. Subject to the reservations of rights in this Section XIII, this Consent Decree resolves only the civil claims of CARB for civil penalties and injunctive relief against Cummins through the Date of Lodging for: (i) the violations alleged in the California Complaint; (ii) violations arising from or relating to the Pre-Replacement Software Configurations installed in the 2013-2019 RAMs; and (iii) violations arising from or relating to Cummins' applications for an Executive Order for the Subject Vehicles and any information provided to CARB for the purpose of securing such Executive Orders.

111. Neither this Consent Decree nor Cummins' consent to its entry constitutes an admission by Cummins of violations alleged by EPA or CARB in the Complaints related to the Subject Vehicles. Cummins reserves all defenses and all rights and remedies, legal and equitable, available to it in any action by a non-party pertaining to the Act, or any other federal, state, or local statute, rule, or regulation.

112. Reservations of Rights by the United States and the California Plaintiffs.

a. The United States and the California Plaintiffs reserve all legal and equitable remedies available to enforce the provisions of this Consent Decree.

b. The United States further reserves any claim(s) of any agency of the United States other than EPA.

c. The California Plaintiffs further reserve, and this Consent Decree is without prejudice to, any and all civil claims, rights, and remedies against Cummins with respect to:

(1) further injunctive relief, including prohibitory and mandatory injunctive provisions intended to enjoin, prevent, and deter future misconduct,

and/or incentivize its detection, disclosure, and/or prosecution; or to enjoin false advertising, violation of environmental laws, violation of consumer laws, the making of false statements, or the use or employment of any practice that constitutes unfair competition;

(2) further injunctive relief pursuant to the California Health and Safety Code as alleged in the California Complaint to mitigate the total lifetime excess emissions in California from the Subject Vehicles, which injunctive relief is fully set forth in and resolved by the California Partial Consent Decree, lodged concurrently with this Consent Decree;

(3) any part of any claims for the violation of securities or false claims laws;

(4) any criminal liability;

(5) any and all other claim(s) of any officer or agency of the State of California other than CARB;

(6) any and all claims for relief to customers, including claims for restitution, refunds, rescission, damages, disgorgement;

(7) any and all claims of the California Attorney General; and

(8) any all claims held by individual consumers.

113. This Consent Decree shall not be construed to limit the rights of the United States or the California Plaintiffs to obtain penalties or injunctive relief under the Act or implementing regulations, or under other federal or state laws, regulations, or permit conditions, except as expressly specified in Paragraphs 109-110. The United States and the California Plaintiffs further reserve all legal and equitable remedies to address any conditions if there is or may be an

imminent and substantial endangerment to the public health or welfare or the environment arising at any of Cummins' facilities, or posed by Subject Vehicles, whether related to the violations addressed in this Consent Decree or otherwise. This Consent Decree does not impair the California Attorney General's right to seek relief for the claims alleged in the California Complaint or other violations of applicable law. However, the California Partial Consent Decree resolves the remaining claims in the California Complaint, including the claims brought by the California Attorney General.

114. In any subsequent administrative or judicial proceeding initiated by the United States or the California Plaintiffs for injunctive relief, civil penalties, other appropriate relief relating to any alleged violations by Cummins, Cummins shall not assert, and may not maintain, any defense or claim based upon the principles of waiver, claim preclusion (*res judicata*), issue preclusion (*collateral estoppel*), claim-splitting, or other defenses based upon any contention that the claims raised by the United States or the California Plaintiffs in the subsequent proceeding were or should have been brought in the instant case, except with respect to claims that have been specifically resolved pursuant to Paragraphs 109-110.

115. This Consent Decree is not a permit, or a modification of any permit, under any federal, State, or local laws or regulations. Cummins is responsible for achieving and maintaining complete compliance with all applicable federal, state, and local laws, regulations, and permits; and Cummins' compliance with this Consent Decree shall be no defense to any action commenced pursuant to any such laws, regulations, or permits, except as set forth herein. The United States and the California Plaintiffs do not, by their consent to the entry of this Consent Decree, warrant or aver in any manner that Cummins' compliance with any aspect of

this Consent Decree will result in compliance with provisions of the Act or with any other provisions of federal, state, or local laws, regulations, or permits.

116. This Consent Decree does not limit or affect the rights of Cummins or of the United States or the California Plaintiffs against any third parties not party to this Consent Decree, nor does it limit or affect the rights of third parties not party to this Consent Decree against Cummins, except as otherwise provided by law.

117. This Consent Decree shall not be construed to create rights in, or grant any cause of action to, any third party not party to this Consent Decree.

XIV. COSTS

118. The Parties shall bear their own costs of this action, including attorneys' fees, subject to Paragraph 112.c(5), except that the United States and CARB shall be entitled to collect the costs (including attorneys' fees) incurred in any action necessary to collect any portion of the civil penalty or any stipulated penalties due under this Consent Decree but not paid by Cummins.

XV. NOTICES AND SUBMISSIONS

119. Unless otherwise specified in this Consent Decree, Materials shall be accompanied by a cover letter and submitted electronically as described below, unless such notices are unable to be uploaded to the CDX electronic system (in the case of EPA) or transmitted by email (in the case of any other party). For all Materials submitted to EPA, Cummins shall register for the CDX electronic system and upload such notices at https://cdx.epa.gov/epa_home.asp. All Materials concerning enhanced vehicle testing submitted pursuant to Section VI.C (Enhanced Vehicle Testing) shall be submitted: (i) on an electronic data site hosted by Cummins that is accessible to the United States, EPA, CARB, and the California Attorney General at all times until 60 Days after termination of this Consent Decree, and from

which the United States, EPA, CARB, and the California Attorney General are able to download all data hosted on that site; and (ii) on a hard disk that must be mailed to the addresses specified below no later than the date that the next set of semi-annual reports are due after the relevant data has been uploaded to the data site, and an email specifying the method of mailing and tracking information shall be sent to the addressed below. If there is any discrepancy between the information submitted to the electronic data site and the information submitted on the hard disk, the information submitted to the data site shall control. Any Materials that cannot be uploaded to CDX or the Cummins-hosted electronic data site or transmitted via email or via a secure server shall be provided in writing via overnight mail (and if any attachment is voluminous, it shall be provided on a disk, hard drive, or other equivalent successor technology) to the addresses below:

As to the United States:

DOJ at the email, or if necessary, the mail addresses below

and

EPA (via CDX or the mail address below if CDX is not possible)

As to DOJ by email:

eescdcopy.enrd@usdoj.gov

Re: DJ # 90-5-2-1-12300

As to DOJ by U.S. mail:

EES Case Management Unit
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Washington, DC 20044-7611
Re: DJ # 90-5-2-1-12300

As to DOJ by overnight mail:

4 Constitution Square
150 M Street, N. E.
Suite 2.900
Washington, DC 20002
Re: DJ # 90-5-2-1-12300

As to EPA by email:

meisenbach.caitlin@epa.gov

As to EPA by U.S. mail:

Director, Air Enforcement Division
1200 Pennsylvania Avenue, NW
William J. Clinton South Building
MC 2242A
Washington, DC 20460

Materials regarding enhanced vehicle testing submitted pursuant to Paragraphs 30 and 31 shall be sent to OTAQ via hard drive at the following address:

Director, Compliance Division
USEPA National Vehicle and Fuel Emissions Laboratory
2565 Plymouth Road
Ann Arbor, MI 48105

Submissions to OTAQ shall be labelled, “Attn: Joel Dalton” and “Time Sensitive”

As to California:

CARB and CA AG at the email or if necessary, mail addresses below, as applicable. All information should be submitted to CARB electronically without paper copies, where possible.

As to CARB by email:

CumminsCD@arb.ca.gov

As to CARB by mail:

Chief Counsel
California Air Resources Board
Legal Office
1001 I Street
Sacramento, CA 95814

As to CARB by telephone:

916-322-2884

As to CA AG by email:

Mike.Cayaban@doj.ca.gov
Josh.Caplan@doj.ca.gov
Natalie.Collins@doj.ca.gov
Elizabeth.Song@doj.ca.gov
Taylor.Wetzel@doj.ca.gov

As to CA AG by mail:

Mike Cayaban
Supervising Deputy Attorney General
Joshua Caplan
Natalie Collins
Deputy Attorneys General
Natural Resources Law Section
Office of the Attorney General
600 West Broadway, Suite 1800
San Diego, CA 92101

Elizabeth Song
Taylor Wetzel
Deputy Attorneys General
Environment Section
Office of the Attorney General
300 S. Spring Street, Suite 1702
Los Angeles, CA 90013

As to Cummins:

To Cummins at the email or if necessary, mail addresses below.

As to Cummins by email:

To be provided by Cummins

As to Cummins by mail:

Nicole Y. Lamb-Hale
Vice President, Chief Legal Officer and Corporate Secretary

Jonathan Wood
Vice President and Chief Technical Officer

301 E. Market Street
Indianapolis, IN 46204

120. Any Party may, by written notice to the other Parties, change its designated Materials recipient or submission address provided in Paragraph 119.

121. Materials submitted pursuant to this Section shall be deemed submitted upon mailing or transmission by email, unless otherwise provided in this Consent Decree or by mutual agreement of the Parties in writing.

XVI. EFFECTIVE DATE

122. The Effective Date of this Consent Decree shall be the date upon which this Consent Decree is entered by the Court or a motion to enter the Consent Decree is granted, whichever occurs first, as recorded on the Court's docket; provided, however, that Cummins hereby agrees that it shall be bound to perform duties under this Consent Decree scheduled to occur prior to the Effective Date and shall perform those duties pursuant to this Consent Decree. In the event the United States withdraws or withholds consent to this Consent Decree before entry, or the Court declines to enter the Consent Decree, then the preceding requirement to perform duties scheduled to occur before the Effective Date shall terminate.

XVII. RETENTION OF JURISDICTION

123. The Court shall retain jurisdiction over this case, until termination of this Consent Decree, for the purpose of resolving disputes arising under this Consent Decree or entering orders modifying this Consent Decree, pursuant to Sections XI (Dispute Resolution) and XVIII (Modification), or effectuating or enforcing compliance with the terms of this Consent Decree.

XVIII. MODIFICATION

124. The terms of this Consent Decree, including any attached appendices, may be modified only by a subsequent written agreement signed by all the Parties. Where the modification constitutes a material change to this Consent Decree, it shall be effective only upon approval by the Court.

125. The United States or CARB, as applicable, will file any non-material modifications with the Court. The following modifications will be considered non-material:

(i) changes to the method of submission of Materials unless this Consent Decree originally mandated that a Material be made public and the proposed change involves changing that

method of submission to make it non-public; (ii) extensions of time not to exceed 90 Days at a time or 180 Days cumulatively; and (iii) corrections of scrivener's errors.

126. Any disputes concerning modification of this Consent Decree shall be resolved pursuant to Section XI (Dispute Resolution), provided, however, that, instead of the burdens of proof provided by Paragraph 100, the Party seeking the modification bears the burden of demonstrating that it is entitled to the requested modification in accordance with Federal Rule of Civil Procedure 60(b).

XIX. TERMINATION

127. No earlier than five years after the Effective Date, after Cummins has completed the requirements of Section VI.A (2013-2019 RAM Compliance), Section VI.C (Enhanced Vehicle Testing), and Section VII (Mitigation); has demonstrated that it is in compliance with the requirements of Section VI.D (Corporate Compliance); has complied with all other requirements of this Consent Decree; and has paid the civil penalty and any accrued stipulated penalties as required by this Consent Decree, Cummins may serve upon the United States and CARB a request for termination, stating that Cummins has satisfied those requirements, together with all necessary supporting documentation. Cummins may serve such a request for termination notwithstanding specified requirements that shall continue after termination of the Consent Decree.

128. Following receipt by the United States and CARB of Cummins' request for termination, the Parties shall confer informally concerning the request and any disagreement that the Parties may have as to whether Cummins has satisfactorily complied with the requirements for termination of this Consent Decree. If the United States (after consultation with CARB) agrees that the Consent Decree may be terminated, the United States shall file a motion or a

stipulation and agreed order seeking entry of a Court order terminating the Decree; provided, however, that: (i) the provisions associated with effectuating and enforcing Paragraph 25 (Sale and Export Restrictions) shall continue in full force and effect for ten years from the Effective Date; and (ii) the provisions associated with effectuating and enforcing Paragraph 19 (Establishment and Maintenance of an Emission Modification Program and a Special Extended Warranty Program.) shall continue in full force and effect until those provisions terminate by their own terms.

129. If the United States (after consultation with CARB) does not agree that this Consent Decree may be terminated, Cummins may invoke Dispute Resolution under Section XI. However, Cummins shall not seek Dispute Resolution of any dispute regarding termination until at least 90 Days after service of its request for termination.

XX. PUBLIC PARTICIPATION

130. This Consent Decree shall be lodged with the Court for a period of not less than 30 Days for public notice and comment in accordance with 28 C.F.R. § 50.7. The United States reserves the right to withdraw or withhold its consent if the comments regarding this Consent Decree disclose facts or considerations indicating that this Consent Decree is inappropriate, improper, or inadequate. CARB reserves the right to withdraw or withhold its consent if the United States does so. Cummins consents to entry of this Consent Decree without further notice and agrees not to withdraw from or oppose entry of this Consent Decree by the Court or to challenge any provision of this Consent Decree, unless the United States has notified Cummins in writing that it no longer supports entry of this Consent Decree.

XXI. SIGNATORIES/SERVICE

131. Each undersigned representative of Cummins, California, and the U.S. Department of Justice identified on the DOJ signature page below, certifies that that person is fully authorized to enter into the terms and conditions of this Consent Decree and to execute and legally bind the Party that person represents to this document.

132. This Consent Decree may be signed in counterparts, and its validity shall not be challenged on that basis. For purposes of this Consent Decree, a signature page that is transmitted electronically (e.g., by facsimile or emailed “PDF”) shall have the same effect as an original.

133. Cummins agrees to accept service of process by mail with respect to all matters arising under or relating to this Consent Decree and to waive the formal service requirements set forth in Rules 4 and 5 of the Federal Rules of Civil Procedure and any applicable Local Rules of this Court including, but not limited to, service of a summons. Cummins need not file an answer to the Complaint in this action unless or until the Court expressly declines to enter this Consent Decree.

XXII. INTEGRATION

134. This Consent Decree constitutes the final, complete, and exclusive agreement and understanding among the Parties with respect to the settlement embodied in this Consent Decree and supersedes all prior agreements and understandings, whether oral or written, concerning the settlement embodied herein. Other than deliverables that are subsequently submitted and approved pursuant to this Consent Decree, the Parties acknowledge that there are no representations, agreements, or understandings relating to the settlement other than those expressly contained in this Consent Decree.

XXIII. 26 U.S.C. SECTION 162(f)(2)(A)(ii) IDENTIFICATION

135. For purposes of the identification requirement in Section 162(f)(2)(A)(ii) of the Internal Revenue Code, 26 U.S.C. § 162(f)(2)(A)(ii), and 26 C.F.R. § 1.162-21(b)(2), performance by Cummins of Section II (Applicability), Paragraph 5, Section V (Approval of Submissions; U.S./EPA/CARB Decision-making), Paragraphs 15-17, Section VI (Compliance Requirements), Paragraphs 19-38 (excluding Paragraphs 20.b, 23.a, 28, and 29), Section VII (Mitigation), Paragraphs 39-43, 45, Section VIII (Reporting Requirements), Paragraphs 46-51, Section XII (Information Collection and Retention), Paragraphs 103-105, Section XV (Notices and Submissions), Paragraph 119, and the requirements of the documents identified and incorporated by Section XXV (Appendices), is restitution, remediation, or required to come into compliance with law.

XXIV. HEADINGS

136. Headings to the Sections and Subsections of this Consent Decree are provided for convenience and do not affect the meaning or interpretation of the provisions of this Consent Decree.

XXV. APPENDICES

137. The following Appendices are attached to and part of this Consent Decree:

Appendix A: Identification of Subject Vehicles and Subject Vehicle Sub-Categories

Appendix B: Special Extended Warranty Parts Lists

Appendix C: LA Area Model Driving Route and Dynamometer Programming
for Special Cycle Testing

Appendix D: Adjustment Factors

XXVI. FINAL JUDGMENT

138. Upon approval and entry of this Consent Decree by the Court, this Consent Decree shall constitute a final judgment of the Court as to the United States, California, and Cummins. The Court therefore enters this judgment as a final judgment under Fed. R. Civ. P. 54 and 58.

Dated and entered this __ day of _____, 20__.

UNITED STATES DISTRICT JUDGE

Signature Page for Consent Decree in *United States v. Cummins Inc.* and
People of the State of California v Cummins Inc. (D.D.C)

FOR THE UNITED STATES OF AMERICA:

1/9/2024
Date


TODD KIM, D.C. Bar # 501200
Assistant Attorney General
Environment and Natural Resources Division
U.S. Department of Justice

1/9/2024
Date


NICHOLAS A. McDANIEL
RANDALL M. STONE, D.C. Bar # 428003
Attorneys
Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
Washington, DC 20044-7611

Signature Page for Consent Decree in *United States v. Cummins, Inc.* and
People of the State of California v Cummins, Inc. (D.D.C.)

FOR THE U.S. ENVIRONMENTAL PROTECTION AGENCY:

Date: _____

DAVID
UHLMANN

Digitally signed by DAVID
UHLMANN
Date: 2024.01.04
18:35:40 -05'00'

DAVID M. UHLMANN
Assistant Administrator
Office of Enforcement and Compliance Assurance
United States Environmental Protection Agency

ROSEMARIE KELLEY
Office Director
Office of Civil Enforcement
Office of Enforcement and Compliance Assurance
United States Environmental Protection Agency

MARY E. GREENE
Division Director
Air Enforcement Division
Office of Civil Enforcement
Office of Enforcement and Compliance Assurance
United States Environmental Protection Agency

CAITLIN KELLEHER MEISENBACH
Attorney-Advisor
Air Enforcement Division
Office of Civil Enforcement
Office of Enforcement and Compliance Assurance
United States Environmental Protection Agency

Signature Page for Consent Decree in *United States v. Cummins, Inc.* and
People of the State of California v Cummins, Inc. (D.D.C)

FOR THE PEOPLE OF THE STATE OF CALIFORNIA BY AND THROUGH THE
CALIFORNIA AIR RESOURCES BOARD:

Date: January 9, 2024



MICHAEL P. CAYABAN
Supervising Deputy Attorney General
JOSHUA M. CAPLAN
NATALIE COLLINS
Deputy Attorneys General
California Department of Justice
Office of the Attorney General
600 West Broadway, Suite 1800
San Diego, CA 92101

Signature Page for Consent Decree in *United States v. Cummins Inc.* and
People of the State of California v Cummins, Inc. (D.D.C.)

FOR THE CALIFORNIA AIR RESOURCES BOARD:

Date: January 9, 2024



LIANE RANDOLPH
Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814



STEVEN S. CLIFF, PH.D.
Executive Officer
California Air Resources Board
1001 I Street
Sacramento, CA 95814



ELLEN M. PETER
Chief Counsel
SHANNON DILLEY
Assistant Chief Counsel

Legal Office
California Air Resources Board
1001 I Street
Sacramento, CA 95814

Signature Page for Consent Decree in *United States v. Cummins Inc.* and
People of the State of California v Cummins, Inc. (D.D.C.)

FOR CUMMINS INC.:

12/26/2023

Date

NICOLE Y. LAMB-HALE

Vice President, Chief Legal Officer and Corporate
Secretary
301 E. Market Street
Indianapolis, IN 46204

12/27/2023

Date

JONATHAN WOOD

Vice President and Chief Technical Officer
301 E. Market Street
Indianapolis, IN 46204

APPENDIX A**Identification of Subject Vehicles and Subject Vehicle Sub-Categories**

<u>MY</u>	<u>Vehicle</u>	<u>Test Group</u>	<u>Other Defining Criteria</u>	<u>Sub-Category</u>
2013	RAM 2500 & RAM 3500	DCEXD06.78VV		2013-2019 RAMs
2013	RAM 3500	DCEXD06.78WV		2013-2019 RAMs
2014	RAM 2500 & RAM 3500	ECEXD06.78VV		2013-2019 RAMs
2014	RAM 3500	ECEXD06.78WV		2013-2019 RAMs
2015	RAM 2500 & RAM 3500	FCEXD06.78VV		2013-2019 RAMs
2015	RAM 3500	FCEXD06.78WV		2013-2019 RAMs
2016	RAM 2500 & RAM 3500	GCEXD06.78VV		2013-2019 RAMs
2016	RAM 3500	GCEXD06.78WV		2013-2019 RAMs
2017	RAM 2500 & RAM 3500	HCEXD06.78VV		2013-2019 RAMs
2017	RAM 3500	HCEXD06.78WV		2013-2019 RAMs
2018	RAM 2500 & RAM 3500	JCEXD06.78VV		2013-2019 RAMs
2018	RAM 3500	JCEXD06.78WV		2013-2019 RAMs
2019	RAM 2500	KCEXD06.78VV	Software Calibration 1	2013-2019 RAMs
2019	RAM 3500	KCEXD06.78WV	Software Calibration 1	2013-2019 RAMs
2019	RAM 2500	KCEXD06.78VV	Software Calibration 3	2019-2023 RAMs
2019	RAM 3500	KCEXD06.78WV	Software Calibration 3	2019-2023 RAMs
2020	RAM 2500	LCEXD06.78VV		2019-2023 RAMs
2020	RAM 3500	LCEXD06.78WV		2019-2023 RAMs
2021	RAM 2500	MCEXD06.78VV		2019-2023 RAMs
2021	RAM 3500	MCEXD06.78WV		2019-2023 RAMs
2022	RAM 2500	NCEXD06.78VV		2019-2023 RAMs
2022	RAM 3500	NCEXD06.78WV		2019-2023 RAMs
2023	RAM 2500	PCEXD06.78VV	Vehicles with engines sold before 12/21/2022	2019-2023 RAMs
2023	RAM 3500	PCEXD06.78WV	Vehicles with engines sold before 12/21/2022	2019-2023 RAMs

APPENDIX B.1

Special Extended Warranty – MY19 RAM

Subject to standard limitations that must be identified to Eligible Owners and Eligible Lessees, which may set forth exclusions like accident, abuse, neglect, or installation of unexempted parts (as that term is described in 13 C.C.R. § 2038(h)), and applicable existing warranty provisions that will remain in effect, the Special Extended Warranty shall cover the cost of all parts and labor needed to repair the items listed below.

- Exhaust and Aftertreatment Components, including:
 - Catalysts
 - Diesel Oxidation Catalyst / Diesel Particulate Filter (DPF) Assembly
 - Selective Catalyst Reduction (SCR) Catalyst Assembly
 - Ammonia Oxidation Catalyst
 - Sensors
 - NOx Sensors (including Engine Out and System Out)
 - DPF Differential Pressure Sensor
- Diesel Exhaust Fluid (DEF) System, including:
 - DEF Injector
 - DEF Injector Controller
 - DEF Storage Tank
 - DEF Delivery Lines
 - DEF Quality Sensor
 - DEF Supply Module, Pump, & Temperature Sensor Unit
- Exhaust Gas Recirculation (EGR) System, including:
 - EGR Cooler
 - EGR Valve
 - EGR Temperature Sensors
 - EGR Cooler Bypass Valve and Actuator

Additionally, the Special Extended Warranty shall cover the cost of any OBD diagnostic scan for malfunctions that trigger the OBD malfunction indicator light (MIL), regardless of whether the malfunction is attributable to a part that is covered under the Special Extended Warranty.

In the event that the hardware of the SCR controller is damaged by the software flash during installation of the Approved Emission Modification, Defendants will replace the hardware at no cost to the customer and provide a 2-year “spare parts” warranty for the replaced part.

If any repairs, recalls, or service is performed on any of the subject vehicles to correct a problem discovered during, or as a result of, the Enhanced In-Use Testing, the Special Extended Warranty shall also cover all parts replaced or repaired, or all parts that could reasonably be impacted by the repair, recall, or service.

APPENDIX B.2

Special Extended Warranty – MY13-18 RAM

Subject to standard limitations that must be identified to Eligible Owners and Eligible Lessees, which may set forth exclusions like accident, abuse, neglect, or installation of unexempted parts (as that term is described in 13 C.C.R. § 2038(h)), and applicable existing warranty provisions that will remain in effect, the Special Extended Warranty shall cover the cost of all parts and labor needed to repair the items listed below.

- Exhaust and Aftertreatment Components, including:
 - Catalysts
 - Selective Catalyst Reduction (SCR) Catalyst Assembly
 - Ammonia Oxidation Catalyst
 - Sensors
 - NOx Sensors (including Engine Out and System Out)
- Diesel Exhaust Fluid (DEF) System, including:
 - DEF Injector
 - DEF Injector Controller
 - DEF Storage Tank
 - DEF Delivery Lines
 - DEF Quality Sensor
 - DEF Supply Module, Pump, & Temperature Sensor Unit

Additionally, the Special Extended Warranty shall cover the cost of any OBD diagnostic scan for malfunctions that trigger the OBD malfunction indicator light (MIL), regardless of whether the malfunction is attributable to a part that is covered under the Special Extended Warranty.

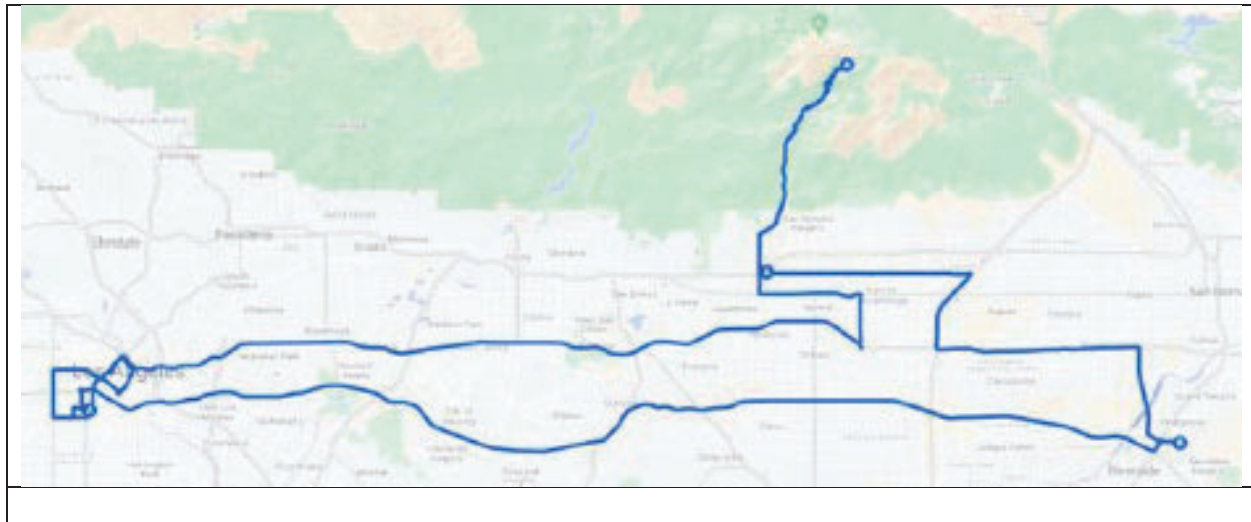
In the event that the hardware of the SCR controller is damaged by the software flash during installation of the Approved Emission Modification, Defendants will replace the hardware at no cost to the customer and provide a 2-year “spare parts” warranty for the replaced part.

If any repairs, recalls, or service is performed on any of the subject vehicles to correct a problem discovered during, or as a result of, the Enhanced In-Use Testing, the Special Extended Warranty shall also cover all parts replaced or repaired, or all parts that could reasonably be impacted by the repair, recall, or service.

APPENDIX C

LA Area Model Driving Route and Dynamometer Programming for Special Cycle Testing

The following “LA Area Modeling Driving Route” is used to program the dynamometer test cycle for special cycle testing pursuant to the Consent Decree.



Summary: Approximately 198 miles

Departure: CECERT – 1084 Columbia Ave, Riverside, CA 92507, USA

295 ft	Head north toward Columbia Ave
1.04 mi	Turn left onto Columbia Ave
423 ft	Turn right onto Primer St
118 ft	Turn right toward Interchange St
187 ft	Slight right onto Interchange St
0.26 mi	Merge onto I-215 S via the ramp on the left to Riverside
922 ft	Continue onto CA-91 W/State Rte 91 W (signs for Riverside/Beach Cities)
0.495 mi	Take exit 34C for CA-60 W toward Los Angeles
27.7 mi	Keep left and merge onto CA-60 W
0.382 mi	Keep right to continue on CA-57 S/CA-60 W
23.0 mi	Keep left at the fork to continue on CA-60 W, follow signs for Los Angeles
1.20 mi	Take exit 1A on the left toward Santa Monica
2.95 mi	Continue onto I-10 W
2.95 mi	Take the exit toward Hoover St 0.664 mi
531 ft	Turn right onto W 20th St
3927 ft	Turn right onto S Hoover St
359 ft	Turn right from Hoover onto 30th
1018 ft	Bear left on onto McKlintock Ave and continue to Jefferson Blvd
0.265 mi	Turn left onto W Jefferson Blvd
961 ft	Turn left onto S Figueroa St
410 ft	Turn right onto W 31st St
25 ft	Turn right onto Flower St

End CECERT-LA

890 ft	Continue on Flower St
0.803 mi	Turn right onto W Jefferson Blvd
0.503 mi	Turn left onto S Vermont Ave
0.991 mi	Turn right onto W Exposition Blvd
2.36 mi	Turn right onto S Western Ave
3.58 mi	Turn right onto W Olympic Blvd
472 ft	Turn right onto San Julian St
374 ft	Turn left onto E 11th St
1.25 mi	Turn left onto San Pedro St
837 ft	Continue onto Judge John Aiso St
0.551 mi	Turn left onto E Temple St
830 ft	Turn right onto N Grand Ave
128 ft	Turn left onto the ramp to CA-110
2.57 mi	Keep right at the fork, follow signs for I-110 S and merge onto CA-110
1.21 mi	Continue onto I-110 S

0.279 mi	Take exit 20B for Exposition Blvd
0.626 mi	Turn right onto W Exposition Blvd
0.626 mi	Turn right onto S Vermont Ave 0.491 mi
0.714 mi	Turn right onto W Jefferson Blvd
961 ft	Turn left onto S Figueroa St
410 ft	Turn right onto W 31st St
25 ft	Turn right onto Flower St
End LA-LA	
39 ft	Head southeast on W 31st St toward Flower St
890 ft	Continue on Flower St
0.803 mi	Turn right onto W Jefferson Blvd
0.503 mi	Turn left onto S Vermont Ave
0.991 mi	Turn right onto W Exposition Blvd
2.36 mi	Turn right onto S Western Ave
2.53 mi	Turn right onto W Olympic Blvd
722 mi	Turn left on Georgia St. It's from that street (not Wilshire) that we enter 110 N.
811 ft	Proceed onto the entrance ramp for CA-110 N/Harbor Fwy
1.06 mi	Merge onto CA-110 N/Harbor Fwy
2208 ft	Take exit 24A toward I-5 S/I-10 E
1.27 mi	Merge onto US-101 S
1.21 mi	Keep left at the fork to continue on San Bernardino Fwy, follow signs for I-10 E/San Bernardino
35.2 mi	Continue onto I-10 E/San Bernardino Fwy
1,204 ft	Take exit 54 for Vineyard Ave
2.55 mi	Turn left onto N Vineyard Ave
5.08 mi	Turn left onto W Foothill Blvd/Historic Rte 66 W, Continue to follow W Foothill Blvd
0.344 mi	Turn right onto Monte Vista Ave
0.669 mi	Continue straight to stay on Monte Vista Ave
0.342 mi	Turn right onto E Baseline Rd
272 ft	Turn left into parking lot (Sycamore Hills Plaza)
End LA-Upland	
256 ft	Return south through parking lot toward Base Line Rd
0.341 mi	Turn right onto Base Line Rd
1.79 mi	Turn right onto Padua Ave
9.97 mi	Turn right onto Mt Baldy Rd
1.85 mi	Turn right to stay on Mt Baldy Rd
End Upland-Mt. Baldy	
1.83 mi	Head southwest on Mt Baldy Rd toward Falls Rd
9.96 mi	Turn left to stay on Mt Baldy Rd
1.80 mi	Turn left onto Padua Ave
0.363 mi	Turn left onto E Baseline Rd
269 ft	Turn left into parking lot (Sycamore Hills Plaza)
End Mt. Baldy-Upland	
252 ft	Return south through parking lot toward Base Line Rd
0.664 mi	Turn left onto Base Line Rd
3.31 mi	Continue onto W 16th St
1.24 mi	Continue onto Base Line Rd
102 ft	Turn right toward Hellman Ave
282 ft	Turn right toward Hellman Ave
194 ft	Turn right onto Hellman Ave
4.90 mi	Turn right at the 1st cross street onto Base Line Rd
3.93 mi	Turn right to merge onto I-15 S toward San Diego
10.2 mi	Take exit 109B to merge onto I-10 E toward Indio/San Bernardino
0.330 mi	Take exit 68 for Riverside Ave toward Rialto
2.09 mi	Turn right onto S Riverside Ave; and stop at Agua Mansa Rd (for weight measurement)
1.35 mi	Continue on S Riverside Ave
0.870 mi	Continue onto Main St
1.72 mi	Turn left onto Columbia Ave
203 ft	Turn right into parking lot at CE-CERT
End Upland-CECERT	
Arrival: CECERT – 1084 Columbia Ave, Riverside, CA 92507, USA	

Dynamometer Programming for Special Cycle Testing

The parties recognize that certain technical adjustments may be required to implement this special cycle test on the dynamometer, such as breaking the trace into segments, restarting individual segments, or soak procedures. Any such technical adjustments may be made by written agreement from certification department staff at EPA and CARB. Any agreed-to technical adjustments will not be considered a modification of the Consent Decree.

Page 1 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
1	ColdStart	0.00	0.00	1.50
2	ColdStart	0.00	0.00	1.50
3	ColdStart	0.00	0.00	1.50
4	ColdStart	0.00	0.00	1.50
5	ColdStart	0.00	0.00	1.50
6	ColdStart	0.00	0.00	1.50
7	ColdStart	0.00	0.00	1.50
8	ColdStart	0.00	0.00	1.50
9	ColdStart	0.00	0.00	1.50
10	ColdStart	0.00	0.00	1.50
11	ColdStart	0.00	0.00	1.50
12	ColdStart	0.00	0.00	1.50
13	ColdStart	0.00	0.00	1.50
14	ColdStart	0.00	0.00	1.50
15	ColdStart	0.00	0.00	1.50
16	ColdStart	0.00	0.00	1.50
17	ColdStart	0.00	0.00	1.50
18	ColdStart	0.00	0.00	1.50
19	ColdStart	0.00	0.00	1.50
20	ColdStart	0.00	0.00	1.50
21	ColdStart	0.00	0.00	1.50
22	ColdStart	0.00	0.00	1.50
23	ColdStart	0.00	0.00	1.50
24	ColdStart	0.00	0.00	1.50
25	ColdStart	0.00	0.00	1.50
26	ColdStart	0.00	0.00	1.50
27	ColdStart	0.00	0.00	1.50
28	ColdStart	0.00	0.00	1.50
29	ColdStart	0.00	0.00	1.50
30	ColdStart	0.00	0.00	1.50
31	ColdStart	0.00	0.00	1.50
32	ColdStart	0.00	0.00	1.50
33	ColdStart	0.00	0.00	1.50
34	ColdStart	0.00	0.00	1.50
35	ColdStart	0.00	0.00	1.50
36	ColdStart	0.00	0.00	1.50
37	ColdStart	0.00	0.00	1.50
38	ColdStart	0.00	0.00	1.50
39	ColdStart	0.00	0.00	1.50
40	ColdStart	0.00	0.00	1.50
41	ColdStart	0.00	0.00	1.50
42	ColdStart	0.00	0.00	1.50
43	ColdStart	0.00	0.00	1.50
44	ColdStart	0.00	0.00	1.50
45	ColdStart	0.00	0.00	1.50
46	ColdStart	0.00	0.00	1.50
47	ColdStart	0.00	0.00	1.50
48	ColdStart	0.00	0.00	1.50
49	ColdStart	0.00	0.00	1.50
50	ColdStart	0.00	0.00	1.50
51	ColdStart	0.00	0.00	1.50
52	ColdStart	0.00	0.00	1.50
53	ColdStart	0.00	0.00	1.50
54	ColdStart	0.00	0.00	1.50
55	ColdStart	0.00	0.00	1.50
56	ColdStart	0.00	0.00	1.50
57	ColdStart	0.00	0.00	1.50
58	ColdStart	0.00	0.00	1.50
59	ColdStart	0.00	0.00	1.50
60	ColdStart	0.00	0.00	1.50
61	ColdStart	0.00	0.00	1.50
62	ColdStart	0.00	0.00	1.50
63	ColdStart	0.00	0.00	1.50
64	ColdStart	0.00	0.00	1.50
65	ColdStart	0.00	0.00	1.50
66	ColdStart	0.00	0.00	1.50
67	ColdStart	0.00	0.00	1.50
68	ColdStart	0.00	0.00	1.50
69	ColdStart	0.00	0.00	1.50
70	ColdStart	0.00	0.00	1.50
71	ColdStart	0.00	0.00	1.50
72	ColdStart	0.00	0.00	1.50
73	ColdStart	0.00	0.00	1.50
74	ColdStart	0.00	0.00	1.50
75	ColdStart	0.00	0.00	1.50
76	ColdStart	0.00	0.00	1.50
77	ColdStart	0.00	0.00	1.50
78	ColdStart	0.00	0.00	1.50

Page 3 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
157	ColdStart	0.69	0.01	1.50
158	ColdStart	2.09	0.01	1.50
159	ColdStart	2.77	0.01	1.50
160	ColdStart	2.39	0.02	1.50
161	ColdStart	0.98	0.02	1.50
162	ColdStart	0.14	0.02	1.50
163	ColdStart	1.12	0.02	1.50
164	ColdStart	2.66	0.02	1.50
165	ColdStart	3.58	0.02	1.50
166	ColdStart	3.66	0.02	1.50
167	ColdStart	3.27	0.02	1.50
168	ColdStart	2.79	0.02	1.50
169	ColdStart	2.17	0.02	1.50
170	ColdStart	1.18	0.02	1.50
171	ColdStart	0.00	0.02	1.50
172	ColdStart	0.39	0.02	1.50
173	ColdStart	1.90	0.02	1.50
174	ColdStart	4.44	0.02	1.50
175	ColdStart	6.87	0.03	1.50
176	ColdStart	8.71	0.03	1.50
177	ColdStart	9.66	0.03	1.50
178	ColdStart	8.93	0.03	1.50
179	ColdStart	8.07	0.03	1.50
180	ColdStart	8.58	0.04	1.50
181	ColdStart	9.98	0.04	1.50
182	ColdStart	10.60	0.04	1.50
183	ColdStart	10.71	0.05	1.50
184	ColdStart	10.53	0.05	1.50
185	ColdStart	9.26	0.05	0.77
186	ColdStart	9.56	0.05	0.77
187	ColdStart	10.71	0.06	0.77
188	ColdStart	11.40	0.06	0.77
189	ColdStart	12.03	0.06	0.77
190	ColdStart	12.88	0.07	0.77
191	ColdStart	13.29	0.07	0.77
192	ColdStart	14.11	0.07	0.77
193	ColdStart	14.93	0.08	0.77
194	ColdStart	15.65	0.08	0.77
195	ColdStart	15.75	0.09	0.77
196	ColdStart	15.06	0.09	0.77
197	ColdStart	14.11	0.10	0.77
198	ColdStart	13.66	0.10	0.77
199	ColdStart	12.66	0.10	0.77
200	ColdStart	10.69	0.11	0.77
201	ColdStart	7.65	0.11	0.77
202	ColdStart	5.00	0.11	0.77
203	ColdStart	3.79	0.11	0.77
204	ColdStart	5.04	0.11	0.77
205	ColdStart	8.07	0.11	0.77
206	ColdStart	9.19	0.12	0.77
207	ColdStart	10.29	0.12	0.77
208	ColdStart	11.45	0.12	0.77
209	ColdStart	12.79	0.13	0.77
210	ColdStart	14.98	0.13	0.77
211	ColdStart	17.76	0.13	0.77
212	ColdStart	20.70	0.14	0.77
213	ColdStart	23.57	0.15	0.77
214	ColdStart	25.97	0.15	-0.94
215	ColdStart	27.92	0.16	-0.94
216	ColdStart	29.55	0.17	-0.94
217	ColdStart	30.93	0.18	-0.94
218	ColdStart	32.18	0.19	-0.94
219	ColdStart	32.96	0.20	-0.94
220	ColdStart	33.16	0.21	-0.94
221	ColdStart	33.24	0.21	-0.94
222	ColdStart	33.19	0.22	-0.94
223	ColdStart	32.47	0.23	-0.94
224	ColdStart	31.60	0.24	-0.94
225	ColdStart	30.01	0.25	-0.94
226	ColdStart	28.31	0.26	-0.94
227	ColdStart	26.69	0.26	-1.64
228	ColdStart	24.90	0.27	-1.64
229	ColdStart	23.40	0.28	-1.64
230	ColdStart	21.75	0.28	-1.64
231	ColdStart	19.98	0.29	-1.64
232	ColdStart	19.47	0.29	-1.64
233	ColdStart	20.83	0.30	-1.64
234	ColdStart	23.73	0.31	-1.64

Page 2 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
79	ColdStart	0.00	0.00	1.50
80	ColdStart	0.00	0.00	1.50
81	ColdStart	0.00	0.00	1.50
82	ColdStart	0.00	0.00	1.50
83	ColdStart	0.00	0.00	1.50
84	ColdStart	0.00	0.00	1.50
85	ColdStart	0.00	0.00	1.50
86	ColdStart	0.00	0.00	1.50
87	ColdStart	0.00	0.00	1.50
88	ColdStart	0.00	0.00	1.50
89	ColdStart	0.00	0.00	1.50
90	ColdStart	0.00	0.00	1.50
91	ColdStart	0.00	0.00	1.50
92	ColdStart	0.00	0.00	1.50
93	ColdStart	0.00	0.00	1.50
94	ColdStart	0.00	0.00	1.50
95	ColdStart	0.00	0.00	1.50
96	ColdStart	0.00	0.00	1.50
97	ColdStart	0.00	0.00	1.50
98	ColdStart	0.00	0.00	1.50
99	ColdStart	0.00	0.00	1.50
100	ColdStart	0.00	0.00	1.50
101	ColdStart	0.00	0.00	1.50
102	ColdStart	0.00	0.00	1.50
103	ColdStart	0.00	0.00	1.50
104	ColdStart	0.00	0.00	1.50
105	ColdStart	0.00	0.00	1.50
106	ColdStart	0.00	0.00	1.50
107	ColdStart	0.00	0.00	1.50
108	ColdStart	0.00	0.00	1.50
109	ColdStart	0.00	0.00	1.50
110	ColdStart	0.00	0.00	1.50
111	ColdStart	0.00	0.00	1.50
112	ColdStart	0.00	0.00	1.50
113	ColdStart	0.00	0.00	1.50
114	ColdStart	0.00	0.00	1.50
115	ColdStart	0.00	0.00	1.50
116	ColdStart	0.00	0.00	1.50
117	ColdStart	0.00	0.00	1.50
118	ColdStart	0.00	0.00	1.50
119	ColdStart	0.00	0.00	1.50
120	ColdStart	0.00	0.00	1.50
121	ColdStart	0.00	0.00	1.50
122	ColdStart	0.00	0.00	1.50
123	ColdStart	0.00	0.00	1.50
124	ColdStart	0.00	0.00	1.50
125	ColdStart	0.00	0.00	1.50
126	ColdStart	0.00	0.00	1.50
127	ColdStart	0.00	0.00	1.50
128	ColdStart	0.00	0.00	1.50
129	ColdStart	0.00	0.00	1.50
130	ColdStart	0.00	0.00	1.50
131	ColdStart	0.00	0.00	1.50
132	ColdStart	0.00	0.00	1.50
133	ColdStart	0.00	0.00	1.50
134	ColdStart	0.00	0.00	1.50
135	ColdStart	0.00	0.00	1.50
136	ColdStart	0.00	0.00	1.50
137	ColdStart	0.00	0.00	1.50
138	ColdStart	0.00	0.00	1.50
139	ColdStart	0.73	0.00	1.50
140	ColdStart	1.56	0.00	1.50
141	ColdStart	2.31	0.00	1.50
142	ColdStart	2.89	0.00	1.50
143	ColdStart	2.82	0.00	1.50
144	ColdStart	2.95	0.00	1.50
145	ColdStart	3.43	0.00	1.50
146	ColdStart	3.85	0.01	1.50
147	ColdStart	3.99	0.01	1.50
148	ColdStart	3.78	0.01	1.50
149	ColdStart	3.74	0.01	1.50
150	ColdStart	3.80	0.01	1.50
151	ColdStart	3.89	0.01	1.50
152	ColdStart	3.73	0.01	1.50
153	ColdStart	3.00	0.01	1.50
154	ColdStart	1.62	0.01	1.50
155	ColdStart	0.00	0.01	1.50
156	ColdStart	0.00	0.01	1.50

Page 4 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
235	ColdStart	27.16	0.31	-1.64
236	ColdStart	30.17	0.32	-1.64
237	ColdStart	32.62	0.33	-1.64
238	ColdStart	34.12	0.34	-1.64
239	ColdStart	35.30	0.35	-1.39
240	ColdStart	36.35	0.36	-1.39
241	ColdStart	37.66	0.37	-1.39
242	ColdStart	39.60	0.38	-1.39
243	ColdStart	41.30	0.39	-1.39
244	ColdStart	42.64	0.40	-1.39
245	ColdStart	43.66	0.42	-1.39
246	ColdStart	44.54	0.43	-1.39
247	ColdStart	45.06	0.44	-1.39
248	ColdStart	45.43	0.45	-1.45
249	ColdStart	45.90	0.47	-1.45
250	ColdStart	45.80	0.48	-1.45
251	ColdStart	45.12	0.49	-1.45
252	ColdStart	44.32	0.50	-1.45
253	ColdStart	43.65	0.52	-1.45
254	ColdStart	43.27	0.53	-1.45
255	ColdStart	44.08	0.54	-1.45
256	ColdStart	45.05	0.55	-1.36
257	ColdStart	45.82	0.56	-1.36
258	ColdStart	46.40	0.58	-1.36
259	ColdStart	46.89	0.59	-1.36
260	ColdStart	47.19	0.60	-1.36
261	ColdStart	46.79	0.62	-1.36
262	ColdStart	44.84	0.63	-1.36
263	ColdStart	43.37	0.64	-1.36
264	ColdStart	42.33	0.65	-1.36
265	ColdStart	41.63	0.66	-1.24
266	ColdStart	40.62	0.67	-1.24
267	ColdStart	39.19	0.69	-1.24
268	ColdStart	37.83	0.70	-1.24
269	ColdStart	36.29	0.71	-1.24
270	ColdStart	34.84	0.72	-1.24
271	ColdStart	33.51	0.73	-1.24
272	ColdStart	32.48	0.73	-1.24
273	ColdStart	31.70	0.74	-1.24
274	ColdStart	30.97	0.75	-1.24
275	ColdStart	29.68	0.76	-1.58
276	ColdStart	28.81	0.77	-1.58
277	ColdStart	26.80	0.77	-1.58
278	ColdStart	26.09	0.78	-1.58
279	ColdStart	25.25	0.79	-1.58
280	ColdStart	24.90	0.80	-1.58
281	ColdStart	24.72	0.80	-1.58
282	ColdStart	24.38	0.81	-1.58
283	ColdStart	24.09	0.82	-1.58
284	ColdStart	23.65	0.82	-1.58
285	ColdStart	23.01	0.83	-1.58
286	ColdStart	22.29	0.83	-1.58
287	ColdStart	22.23	0.84	-1.58
288	ColdStart	21.97	0.85	-1.58
289	ColdStart	22.01	0.85	-1.93
290	ColdStart	22.84	0.86	-1.93
291	ColdStart	22.11	0.86	-1.93
292	ColdStart	18.56	0.87	-1.93
293	ColdStart	15.02	0.87	-1.93
294	ColdStart	13.72	0.87	-1.93
295	ColdStart	10.82	0.88	-1.93
296	ColdStart	8.56	0.88	-1.93
297	ColdStart	6.06	0.88	-1.93
298	ColdStart	4.53	0.89	-1.93
299	ColdStart	3.24	0.89	-1.93
300	ColdStart	1.93	0.89	-1.93
301	ColdStart	0.57	0.89	-1.93
302	ColdStart	0.00	0.89	-1.93
303	ColdStart	0.00	0.89	-1.93
304	ColdStart	0.00	0.89	-1.93
305	ColdStart	0.00	0.89	-1.93
306	ColdStart	0.00	0.89	-1.93
307	ColdStart	0.00	0.89	-1.93
308	ColdStart	0.00	0.89	-1.93
309	ColdStart	0.00	0.89	-1.93
310	ColdStart	0.00	0.89	-1.93
311	ColdStart	0.00	0.89	-1.93
312	ColdStart	0.00	0.89	-1.93

Page 5 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
313	ColdStart	0.00	0.89	-1.93
314	ColdStart	0.00	0.89	-1.93
315	ColdStart	0.00	0.89	-1.93
316	ColdStart	0.00	0.89	-1.93
317	ColdStart	0.00	0.89	-1.93
318	ColdStart	0.00	0.89	-1.93
319	ColdStart	0.00	0.89	-1.93
320	ColdStart	0.00	0.89	-1.93
321	ColdStart	0.00	0.89	-1.93
322	ColdStart	0.00	0.89	-1.93
323	ColdStart	0.00	0.89	-1.93
324	ColdStart	0.00	0.89	-1.93
325	ColdStart	0.00	0.89	-1.93
326	ColdStart	0.00	0.89	-1.93
327	ColdStart	0.00	0.89	-1.93
328	ColdStart	0.00	0.89	-1.93
329	ColdStart	0.00	0.89	-1.93
330	ColdStart	0.00	0.89	-1.93
331	ColdStart	0.00	0.89	-1.93
332	ColdStart	0.00	0.89	-1.93
333	ColdStart	0.24	0.89	-1.93
334	ColdStart	1.57	0.89	-1.93
335	ColdStart	1.57	0.89	-1.93
336	ColdStart	0.98	0.89	-1.93
337	ColdStart	0.00	0.89	-1.93
338	ColdStart	0.00	0.89	-1.93
339	ColdStart	0.00	0.89	-1.93
340	ColdStart	0.00	0.89	-1.93
341	ColdStart	0.00	0.89	-1.93
342	ColdStart	0.00	0.89	-1.93
343	ColdStart	0.00	0.89	-1.93
344	ColdStart	0.00	0.89	-1.93
345	ColdStart	0.00	0.89	-1.93
346	ColdStart	0.00	0.89	-1.93
347	ColdStart	2.21	0.89	-1.93
348	ColdStart	6.51	0.89	-1.93
349	ColdStart	8.70	0.89	-1.93
350	ColdStart	8.51	0.90	-1.93
351	ColdStart	7.77	0.90	-1.93
352	ColdStart	7.97	0.90	-1.93
353	ColdStart	10.22	0.90	-1.93
354	ColdStart	11.69	0.91	-1.93
355	ColdStart	12.04	0.91	-1.93
356	ColdStart	12.54	0.91	-1.93
357	ColdStart	12.13	0.92	-1.93
358	ColdStart	11.16	0.92	-1.93
359	ColdStart	10.49	0.92	-1.93
360	ColdStart	11.52	0.93	-1.93
361	ColdStart	14.05	0.93	-1.93
362	ColdStart	16.63	0.93	-1.93
363	ColdStart	17.98	0.94	-1.93
364	ColdStart	17.61	0.94	-1.93
365	ColdStart	17.07	0.95	-1.93
366	ColdStart	17.71	0.95	-0.60
367	ColdStart	19.12	0.96	-0.60
368	ColdStart	18.92	0.96	-0.60
369	ColdStart	18.14	0.97	-0.60
370	ColdStart	17.00	0.97	-0.60
371	ColdStart	16.73	0.98	-0.60
372	ColdStart	18.19	0.98	-0.60
373	ColdStart	20.78	0.99	-0.60
374	ColdStart	22.97	0.99	-0.60
375	ColdStart	23.68	1.00	-0.60
376	ColdStart	23.60	1.01	-0.60
377	ColdStart	23.25	1.01	-0.60
378	ColdStart	22.66	1.02	-0.60
379	ColdStart	22.38	1.03	-0.60
380	ColdStart	21.79	1.03	-0.60
381	ColdStart	19.58	1.04	-0.60
382	ColdStart	16.91	1.04	-0.60
383	ColdStart	14.03	1.05	-0.60
384	ColdStart	12.02	1.05	-0.60
385	ColdStart	11.51	1.05	0.17
386	ColdStart	11.31	1.06	0.17
387	ColdStart	11.60	1.06	0.17
388	ColdStart	12.42	1.06	0.17
389	ColdStart	12.75	1.07	0.17
390	ColdStart	12.42	1.07	0.17

Page 7 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
469	ColdStart	3.49	1.22	0.48
470	ColdStart	3.20	1.22	0.48
471	ColdStart	3.58	1.22	0.48
472	ColdStart	3.10	1.22	0.48
473	ColdStart	1.79	1.22	0.48
474	ColdStart	0.50	1.22	0.48
475	ColdStart	1.44	1.22	0.48
476	ColdStart	3.46	1.22	0.48
477	ColdStart	4.69	1.22	0.48
478	ColdStart	5.45	1.22	0.48
479	ColdStart	5.50	1.23	0.48
480	ColdStart	6.88	1.23	0.48
481	ColdStart	7.81	1.23	0.48
482	ColdStart	8.46	1.23	0.48
483	ColdStart	7.71	1.23	0.48
484	ColdStart	6.17	1.24	0.48
485	ColdStart	4.13	1.24	0.48
486	ColdStart	2.34	1.24	0.48
487	ColdStart	0.43	1.24	0.48
488	ColdStart	0.00	1.24	0.48
489	ColdStart	0.00	1.24	0.48
490	ColdStart	0.00	1.24	0.48
491	ColdStart	0.00	1.24	0.48
492	ColdStart	0.00	1.24	0.48
493	ColdStart	0.00	1.24	0.48
494	ColdStart	0.00	1.24	0.48
495	ColdStart	0.00	1.24	0.48
496	ColdStart	0.00	1.24	0.48
497	ColdStart	1.49	1.24	0.48
498	ColdStart	4.43	1.24	0.48
499	ColdStart	5.82	1.24	0.48
500	ColdStart	5.32	1.24	0.48
501	ColdStart	3.53	1.24	0.48
502	ColdStart	1.68	1.24	0.48
503	ColdStart	0.00	1.24	0.48
504	ColdStart	0.00	1.24	0.48
505	ColdStart	0.00	1.24	0.48
506	ColdStart	0.00	1.24	0.48
507	ColdStart	0.00	1.24	0.48
508	ColdStart	0.00	1.24	0.48
509	ColdStart	0.00	1.24	0.48
510	ColdStart	0.00	1.24	0.48
511	ColdStart	0.00	1.24	0.48
512	ColdStart	0.14	1.24	0.48
513	ColdStart	1.50	1.24	0.48
514	ColdStart	3.26	1.25	0.48
515	ColdStart	4.16	1.25	0.48
516	ColdStart	3.03	1.25	0.48
517	ColdStart	2.13	1.25	0.48
518	ColdStart	1.45	1.25	0.48
519	ColdStart	0.77	1.25	0.48
520	ColdStart	0.00	1.25	0.48
521	ColdStart	0.00	1.25	0.48
522	ColdStart	0.65	1.25	0.48
523	ColdStart	3.20	1.25	0.48
524	ColdStart	4.70	1.25	-0.61
525	ColdStart	4.09	1.25	-0.61
526	ColdStart	2.87	1.25	-0.61
527	ColdStart	1.80	1.25	-0.61
528	ColdStart	2.45	1.25	-0.61
529	ColdStart	3.58	1.26	-0.61
530	ColdStart	4.49	1.26	-0.61
531	ColdStart	4.54	1.26	-0.61
532	ColdStart	3.55	1.26	-0.61
533	ColdStart	2.05	1.26	-0.61
534	ColdStart	0.41	1.26	-0.61
535	ColdStart	0.00	1.26	-0.61
536	ColdStart	0.00	1.26	-0.61
537	ColdStart	0.00	1.26	-0.61
538	ColdStart	0.00	1.26	-0.61
539	ColdStart	0.00	1.26	-0.61
540	ColdStart	0.86	1.26	-0.61
541	ColdStart	2.19	1.26	-0.61
542	ColdStart	3.29	1.26	-0.61
543	ColdStart	4.15	1.26	-0.61
544	ColdStart	4.28	1.26	-0.61
545	ColdStart	4.27	1.26	-0.61
546	ColdStart	3.84	1.27	-0.61

Page 6 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
391	ColdStart	11.93	1.07	0.17
392	ColdStart	11.62	1.08	0.17
393	ColdStart	9.69	1.08	0.17
394	ColdStart	7.48	1.08	0.17
395	ColdStart	6.03	1.08	0.17
396	ColdStart	5.83	1.08	0.17
397	ColdStart	6.69	1.09	0.17
398	ColdStart	8.71	1.09	0.17
399	ColdStart	9.53	1.09	0.17
400	ColdStart	9.02	1.09	0.17
401	ColdStart	8.10	1.10	0.17
402	ColdStart	8.63	1.10	0.17
403	ColdStart	10.70	1.10	0.17
404	ColdStart	13.56	1.10	0.17
405	ColdStart	15.52	1.11	0.17
406	ColdStart	16.53	1.11	0.17
407	ColdStart	17.79	1.12	0.17
408	ColdStart	19.36	1.12	0.17
409	ColdStart	19.97	1.13	0.17
410	ColdStart	19.81	1.13	0.17
411	ColdStart	19.20	1.14	0.17
412	ColdStart	18.03	1.14	0.17
413	ColdStart	16.28	1.15	0.17
414	ColdStart	14.21	1.15	0.48
415	ColdStart	11.62	1.16	0.48
416	ColdStart	9.68	1.16	0.48
417	ColdStart	9.05	1.16	0.48
418	ColdStart	9.09	1.16	0.48
419	ColdStart	10.12	1.17	0.48
420	ColdStart	9.69	1.17	0.48
421	ColdStart	8.38	1.17	0.48
422	ColdStart	7.16	1.17	0.48
423	ColdStart	6.68	1.18	0.48
424	ColdStart	6.47	1.18	0.48
425	ColdStart	6.92	1.18	0.48
426	ColdStart	6.95	1.18	0.48
427	ColdStart	6.58	1.18	0.48
428	ColdStart	5.93	1.18	0.48
429	ColdStart	5.25	1.19	0.48
430	ColdStart	4.68	1.19	0.48
431	ColdStart	4.17	1.19	0.48
432	ColdStart	3.78	1.19	0.48
433	ColdStart	3.31	1.19	0.48
434	ColdStart	2.60	1.19	0.48
435	ColdStart	1.48	1.19	0.48
436	ColdStart	1.32	1.19	0.48
437	ColdStart	2.67	1.19	0.48
438	ColdStart	4.13	1.19	0.48
439	ColdStart	5.07	1.20	0.48
440	ColdStart	4.73	1.20	0.48
441	ColdStart	4.01	1.20	0.48
442	ColdStart	3.39	1.20	0.48
443	ColdStart	3.50	1.20	0.48
444	ColdStart	3.45	1.20	0.48
445	ColdStart	3.08	1.20	0.48
446	ColdStart	2.76	1.20	0.48
447	ColdStart	2.70	1.20	0.48
448	ColdStart	2.95	1.20	0.48
449	ColdStart	3.12	1.20	0.48
450	ColdStart	2.85	1.21	0.48
451	ColdStart	2.06	1.21	0.48
452	ColdStart	0.84	1.21	0.48
453	ColdStart	0.00	1.21	0.48
454	ColdStart	0.00	1.21	0.48
455	ColdStart	0.00	1.21	0.48
456	ColdStart	0.00	1.21	0.48
457	ColdStart	0.00	1.21	0.48
458	ColdStart	0.00	1.21	0.48
459	ColdStart	0.17	1.21	0.48
460	ColdStart	0.98	1.21	0.48
461	ColdStart	1.71	1.21	0.48
462	ColdStart	3.75	1.21	0.48
463	ColdStart	5.23	1.21	0.48
464	ColdStart	5.71	1.21	0.48
465	ColdStart	5.20	1.21	0.48
466	ColdStart	4.56	1.21	0.48
467	ColdStart	4.27	1.21	0.48
468	ColdStart	3.86	1.22	0.48

Page 8 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
547	ColdStart	2.92	1.27	-0.61
548	ColdStart	1.95	1.27	-0.61
549	ColdStart	0.88	1.27	-0.61
550	ColdStart	0.00	1.27	-0.61
551	ColdStart	0.43	1.27	-0.61
552	ColdStart	1.95	1.27	-0.61
553	ColdStart	3.07	1.27	-0.61
554	ColdStart	4.02	1.27	-0.61
555	ColdStart	4.42	1.27	-0.61
556	ColdStart	4.29	1.27	-0.61
557	ColdStart	3.75	1.27	-0.61
558	ColdStart	2.76	1.27	-0.61
559	ColdStart	1.47	1.27	-0.61
560	ColdStart	0.14	1.27	-0.61
561	ColdStart	0.00	1.27	-0.61
562	ColdStart	1.50	1.27	-0.61
563	ColdStart	3.74	1.28	-0.61
564	ColdStart	5.18	1.28	-0.61
565	ColdStart	6.54	1.28	-0.61
566	ColdStart	7.61	1.28	-0.61
567	ColdStart	7.68	1.28	-0.61
568	ColdStart	7.18	1.29	-0.61
569	ColdStart	6.80	1.29	-0.61
570	ColdStart	6.49	1.29	-0.61
571	ColdStart	6.44	1.29	-0.61
572	ColdStart	6.59	1.29	-0.61
573	ColdStart	5.60	1.29	-0.61
574	ColdStart	4.65	1.30	-0.61
575	ColdStart	3.40	1.30	-0.61
576	ColdStart	2.82	1.30	-0.61
577	ColdStart	2.41	1.30	-0.61
578	ColdStart	2.18	1.30	-0.61
579	ColdStart	2.38	1.30	-0.61
580	ColdStart	3.38	1.30	-0.61
581	ColdStart	4.19	1.30	-0.61
582	ColdStart	4.22	1.30	-0.61
583	ColdStart	4.53	1.30	-0.61
584	ColdStart	5.15	1.30	-0.61
585	ColdStart	5.19	1.31	-0.61
586	ColdStart	4.65	1.31	-0.61
587	ColdStart	4.06	1.31	-0.61
588	ColdStart	3.82	1.31	-0.61
589	ColdStart	3.86	1.31	-0.61
590	ColdStart	4.45	1.31	-0.61
591	ColdStart	5.01	1.31	-0.61
592	ColdStart	4.76	1.31	-0.61
593	ColdStart	4.38	1.32	-0.61
594	ColdStart	4.10	1.32	-0.61
595	ColdStart	4.13	1.32	-0.61
596	ColdStart	4.74	1.32	-0.61
597	ColdStart	5.92	1.32	-0.61
598	ColdStart	7.06	1.32	-0.61
599	ColdStart	7.54	1.33	-0.61
600	ColdStart	6.84	1.33	-0.61
601	ColdStart	6.37	1.33	-0.61
602	ColdStart	6.35	1.33	-0.61
603	ColdStart	6.19	1.33	-0.61
604	ColdStart	6.08	1.33	-0.61
605	ColdStart	6.05	1.34	-0.61
606	ColdStart	5.99	1.34	-0.61
607	ColdStart	10.00	1.34	-0.61
608	ColdStart	16.26	1.34	-0.61
609	ColdStart	21.99	1.35	-0.78
610	ColdStart	26.42	1.36	-0.78
611	ColdStart	30.02	1.37	-0.78
612	ColdStart	31.84	1.37	-0.78
613	ColdStart	34.95	1.38	-0.78
614	ColdStart	36.88	1.39	-0.78
615	ColdStart	37.70	1.40	-0.78
616	ColdStart	37.39	1.41	-0.78
617	ColdStart	38.62	1.42	-0.78
618	ColdStart	40.60	1.44	-0.78
619	ColdStart	42.62	1.45	-0.78
620	ColdStart	43.54	1.46	-0.78
621	ColdStart	44.64	1.47	-0.78
622	ColdStart	44.72	1.48	-0.78
623	ColdStart	45.08	1.50	-0.54
624	ColdStart	46.21	1.51	-0.54

Page 9 of 279

time [s]	route	speed [mph]	distance [mi]	grade [%]
625	ColdStart	47.64	1.52	-0.54
626	ColdStart	48.38	1.54	-0.54
627	ColdStart	48.38	1.55	-0.54
628	ColdStart	47.60	1.56	0.18
629	ColdStart	46.74	1.58	0.18
630	ColdStart	45.54	1.59	0.18
631	ColdStart	44.13	1.60	0.18
632	ColdStart	42.59	1.61	0.18
633	ColdStart	41.23	1.62	0.18
634	ColdStart	40.82	1.63	0.18
635	ColdStart	41.86	1.65	0.18
636	ColdStart	43.61	1.66	0.04
637	ColdStart	45.38	1.67	0.04
638	ColdStart	45.22	1.68	0.04
639	ColdStart	42.94	1.69	0.04
640	ColdStart	39.49	1.71	0.04
641	ColdStart	36.11	1.72	0.04
642	ColdStart	33.77	1.72	0.04
643	ColdStart	32.72	1.73	0.04
644	ColdStart	33.08	1.74	0.04
645	ColdStart	23.52	1.75	-0.74
646	ColdStart	35.67	1.76	-0.74
647	ColdStart	37.86	1.77	-0.74
648	CCECART-LA	38.40	1.78	-0.74
649	CCECART-LA	37.66	1.79	-0.74
650	CCECART-LA	38.09	1.80	-0.74
651	CCECART-LA	39.43	1.81	-0.74
652	CCECART-LA	39.93	1.83	-0.74
653	CCECART-LA	39.85	1.84	-0.74
654	CCECART-LA	39.42	1.85	-0.74
655	CCECART-LA	39.94	1.86	0.95
656	CCECART-LA	40.29	1.87	0.95
657	CCECART-LA	40.70	1.88	0.95
658	CCECART-LA	40.42	1.89	0.95
659	CCECART-LA	39.70	1.90	0.95
660	CCECART-LA	39.03	1.91	0.95
661	CCECART-LA	39.33	1.92	0.95
662	CCECART-LA	39.54	1.94	0.95
663	CCECART-LA	39.18	1.95	0.95
664	CCECART-LA	38.18	1.96	-0.24
665	CCECART-LA	37.19	1.97	-0.24
666	CCECART-LA	36.41	1.98	-0.24
667	CCECART-LA	36.82	1.99	-0.24
668	CCECART-LA	37.97	2.00	-0.24
669	CCECART-LA	39.49	2.01	-0.24
670	CCECART-LA	40.73	2.02	-0.24
671	CCECART-LA	41.82	2.03	-0.24
672	CCECART-LA	43.10	2.04	-0.24
673	CCECART-LA	44.50	2.05	-2.84
674	CCECART-LA	46.08	2.07	-2.84
675	CCECART-LA	47.57	2.08	-2.84
676	CCECART-LA	47.61	2.09	-2.84
677	CCECART-LA	48.28	2.11	-2.84
678	CCECART-LA	50.07	2.12	-2.84
679	CCECART-LA	51.58	2.13	-2.84
680	CCECART-LA	51.73	2.15	-2.84
681	CCECART-LA	50.66	2.16	-2.07
682	CCECART-LA	48.93	2.18	-2.07
683	CCECART-LA	47.08	2.19	-2.07
684	CCECART-LA	45.17	2.20	-2.07
685	CCECART-LA	44.18	2.21	-2.07
686	CCECART-LA	44.53	2.23	-2.07
687	CCECART-LA	44.70	2.24	-2.07
688	CCECART-LA	45.85	2.25	-2.74
689	CCECART-LA	46.96	2.26	-2.74
690	CCECART-LA	47.54	2.28	-2.74
691	CCECART-LA	48.46	2.29	-2.74
692	CCECART-LA	50.39	2.30	-2.74
693	CCECART-LA	51.68	2.32	-2.74
694	CCECART-LA	52.75	2.33	-2.74
695	CCECART-LA	53.77	2.35	-2.74
696	CCECART-LA	54.66	2.36	-2.13
697	CCECART-LA	55.70	2.38	-2.13
698	CCECART-LA	56.76	2.39	-2.13
699	CCECART-LA	57.22	2.41	-2.13
700	CCECART-LA	57.86	2.43	-2.13
701	CCECART-LA	58.75	2.44	-2.13
702	CCECART-LA	59.73	2.46	-0.80

Page 11 of 279

time [s]	route	speed [mph]	distance [mi]	grade [%]
781	CCECART-LA	66.23	4.00	0.40
782	CCECART-LA	65.71	4.02	0.40
783	CCECART-LA	64.78	4.04	0.40
784	CCECART-LA	64.29	4.05	2.22
785	CCECART-LA	64.54	4.07	2.22
786	CCECART-LA	64.43	4.09	2.22
787	CCECART-LA	64.66	4.11	2.22
788	CCECART-LA	65.10	4.12	2.22
789	CCECART-LA	65.85	4.14	2.22
790	CCECART-LA	66.55	4.16	-0.23
791	CCECART-LA	67.45	4.18	-0.23
792	CCECART-LA	68.22	4.20	-0.23
793	CCECART-LA	69.00	4.22	-0.23
794	CCECART-LA	69.63	4.24	-0.23
795	CCECART-LA	70.12	4.26	-0.24
796	CCECART-LA	70.48	4.27	-0.24
797	CCECART-LA	70.39	4.29	-0.24
798	CCECART-LA	69.53	4.31	-0.24
799	CCECART-LA	68.98	4.33	-0.24
800	CCECART-LA	69.21	4.35	-0.17
801	CCECART-LA	69.30	4.37	-0.17
802	CCECART-LA	69.48	4.39	-0.17
803	CCECART-LA	69.86	4.41	-0.17
804	CCECART-LA	70.23	4.43	-0.17
805	CCECART-LA	70.65	4.45	-0.17
806	CCECART-LA	71.08	4.47	1.23
807	CCECART-LA	71.24	4.49	1.23
808	CCECART-LA	71.32	4.51	1.23
809	CCECART-LA	71.36	4.53	1.23
810	CCECART-LA	71.57	4.55	1.23
811	CCECART-LA	71.81	4.57	-0.14
812	CCECART-LA	71.96	4.59	-0.14
813	CCECART-LA	71.79	4.60	-0.14
814	CCECART-LA	71.65	4.62	-0.14
815	CCECART-LA	71.74	4.64	-0.14
816	CCECART-LA	71.38	4.66	1.68
817	CCECART-LA	70.95	4.68	1.68
818	CCECART-LA	70.42	4.70	1.68
819	CCECART-LA	70.13	4.72	1.68
820	CCECART-LA	70.20	4.74	1.68
821	CCECART-LA	70.54	4.76	1.88
822	CCECART-LA	70.98	4.78	1.88
823	CCECART-LA	71.43	4.80	1.88
824	CCECART-LA	71.74	4.82	1.88
825	CCECART-LA	71.85	4.84	1.88
826	CCECART-LA	71.76	4.86	1.12
827	CCECART-LA	71.81	4.88	1.12
828	CCECART-LA	71.86	4.90	1.12
829	CCECART-LA	71.92	4.92	1.12
830	CCECART-LA	71.74	4.94	1.12
831	CCECART-LA	71.61	4.96	1.55
832	CCECART-LA	71.45	4.98	1.55
833	CCECART-LA	71.42	5.00	1.55
834	CCECART-LA	71.49	5.02	1.55
835	CCECART-LA	71.56	5.04	1.55
836	CCECART-LA	71.70	5.06	-0.80
837	CCECART-LA	71.86	5.08	-0.80
838	CCECART-LA	71.97	5.10	-0.80
839	CCECART-LA	72.19	5.12	-0.80
840	CCECART-LA	72.41	5.14	-0.80
841	CCECART-LA	72.67	5.16	-0.21
842	CCECART-LA	72.85	5.18	-0.21
843	CCECART-LA	73.11	5.20	-0.21
844	CCECART-LA	73.34	5.22	-0.21
845	CCECART-LA	73.60	5.24	-0.21
846	CCECART-LA	73.90	5.26	1.35
847	CCECART-LA	74.14	5.28	1.35
848	CCECART-LA	74.38	5.30	1.35
849	CCECART-LA	74.76	5.32	1.35
850	CCECART-LA	74.78	5.34	1.35
851	CCECART-LA	74.69	5.36	-0.30
852	CCECART-LA	74.63	5.38	-0.30
853	CCECART-LA	74.51	5.40	-0.30
854	CCECART-LA	74.32	5.42	-0.30
855	CCECART-LA	74.15	5.44	-0.30
856	CCECART-LA	74.03	5.46	-0.04
857	CCECART-LA	73.79	5.48	-0.04
858	CCECART-LA	73.39	5.50	-0.04

Page 10 of 279

time [s]	route	speed [mph]	distance [mi]	grade [%]
703	CCECART-LA	60.62	2.47	-0.80
704	CCECART-LA	63.59	2.49	-0.80
705	CCECART-LA	65.71	2.51	-0.80
706	CCECART-LA	67.62	2.53	-0.80
707	CCECART-LA	70.45	2.55	-0.80
708	CCECART-LA	72.39	2.57	0.17
709	CCECART-LA	73.08	2.59	0.17
710	CCECART-LA	73.02	2.61	0.17
711	CCECART-LA	72.40	2.63	0.17
712	CCECART-LA	71.07	2.65	0.17
713	CCECART-LA	70.34	2.67	0.47
714	CCECART-LA	70.16	2.69	0.47
715	CCECART-LA	70.24	2.71	0.47
716	CCECART-LA	70.47	2.73	0.47
717	CCECART-LA	70.55	2.74	0.47
718	CCECART-LA	71.55	2.76	-0.62
719	CCECART-LA	72.51	2.78	-0.62
720	CCECART-LA	73.61	2.80	-0.62
721	CCECART-LA	74.69	2.82	-0.62
722	CCECART-LA	75.79	2.85	-0.62
723	CCECART-LA	76.61	2.87	0.14
724	CCECART-LA	76.94	2.89	0.14
725	CCECART-LA	77.06	2.91	0.14
726	CCECART-LA	76.83	2.93	0.14
727	CCECART-LA	76.78	2.95	-0.41
728	CCECART-LA	76.80	2.97	-0.41
729	CCECART-LA	76.92	2.99	-0.41
730	CCECART-LA	76.95	3.01	-0.41
731	CCECART-LA	76.54	3.04	-0.41
732	CCECART-LA	75.43	3.06	0.66
733	CCECART-LA	75.49	3.08	0.66
734	CCECART-LA	75.53	3.10	0.66
735	CCECART-LA	74.68	3.12	0.66
736	CCECART-LA	73.75	3.14	0.66
737	CCECART-LA	73.72	3.16	-0.32
738	CCECART-LA	74.15	3.18	-0.32
739	CCECART-LA	74.61	3.20	-0.32
740	CCECART-LA	75.25	3.22	-0.32
741	CCECART-LA	75.61	3.24	-0.32
742	CCECART-LA	75.06	3.26	-0.09
743	CCECART-LA	74.75	3.28	-0.09
744	CCECART-LA	75.19	3.30	-0.09
745	CCECART-LA	75.28	3.32	-0.09
746	CCECART-LA	74.85	3.34	-0.09
747	CCECART-LA	73.64	3.36	-0.21
748	CCECART-LA	72.37	3.38	-0.21
749	CCECART-LA	71.25	3.40	-0.21
750	CCECART-LA	70.36	3.42	-0.21
751	CCECART-LA	69.54	3.44	-0.21
752	CCECART-LA	69.32	3.46	-3.88
753	CCECART-LA	69.23	3.48	-3.88
754	CCECART-LA	69.29	3.50	-3.88
755	CCECART-LA	69.29	3.52	-3.88
756	CCECART-LA	68.53	3.54	-3.88
757	CCECART-LA	67.82	3.56	1.80
758	CCECART-LA	67.74	3.58	1.80
759	CCECART-LA	67.65	3.59	1.80
760	CCECART-LA	67.54	3.61	1.80
761	CCECART-LA	67.10	3.63	1.80
762	CCECART-LA	66.34	3.65	1.80
763	CCECART-LA	65.92	3.67	1.63
764	CCECART-LA	65.51	3.69	1.63
765	CCECART-LA	65.78	3.70	1.63
766	CCECART-LA	66.19	3.72	1.63
767	CCECART-LA	66.62	3.74	1.63
768	CCECART-LA	67.06	3.76	2.10
769	CCECART-LA	67.45	3.78	2.10
770	CCECART-LA	67.79	3.80	2.10
771	CCECART-LA	68.13	3.81	2.10
772	CCECART-LA	68.29	3.83	2.10
773	CCECART-LA	68.40	3.85	-0.32
774	CCECART-LA	68.52	3.87	-0.32
775	CCECART-LA	68.65	3.89	-0.32
776	CCECART-LA	68.14	3.91	-0.32
777	CCECART-LA	67.56	3.93	-0.32
778	CCECART-LA	67.20	3.95	-0.32
779	CCECART-LA	66.26	3.96	0.40
780	CCECART-LA	65.93	3.98	0.40

Page 12 of 279

time [s]	route	speed [mph]	distance
----------	-------	-------------	----------

Page 13 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
937	CECERY-LA	68.68	7.02	2.41
938	CECERY-LA	68.60	7.04	2.41
939	CECERY-LA	69.17	7.06	1.71
940	CECERY-LA	69.79	7.08	1.71
941	CECERY-LA	70.54	7.10	1.71
942	CECERY-LA	71.03	7.12	1.71
943	CECERY-LA	71.41	7.14	1.71
944	CECERY-LA	71.71	7.16	0.91
945	CECERY-LA	71.70	7.18	0.91
946	CECERY-LA	71.66	7.20	0.91
947	CECERY-LA	71.70	7.22	0.91
948	CECERY-LA	71.78	7.24	0.91
949	CECERY-LA	71.66	7.25	-0.36
950	CECERY-LA	71.14	7.27	-0.36
951	CECERY-LA	70.38	7.29	-0.36
952	CECERY-LA	69.41	7.31	-0.36
953	CECERY-LA	69.40	7.33	-0.36
954	CECERY-LA	69.92	7.35	-1.92
955	CECERY-LA	70.51	7.37	-1.92
956	CECERY-LA	71.19	7.39	-1.92
957	CECERY-LA	72.04	7.41	-1.92
958	CECERY-LA	72.47	7.43	-1.92
959	CECERY-LA	72.93	7.45	-2.79
960	CECERY-LA	72.72	7.47	-2.79
961	CECERY-LA	72.06	7.49	-2.79
962	CECERY-LA	71.31	7.51	-2.79
963	CECERY-LA	70.95	7.53	-2.79
964	CECERY-LA	71.10	7.55	-2.79
965	CECERY-LA	70.70	7.57	0.61
966	CECERY-LA	70.66	7.59	0.61
967	CECERY-LA	71.13	7.61	0.61
968	CECERY-LA	72.08	7.63	0.61
969	CECERY-LA	72.61	7.65	0.61
970	CECERY-LA	73.40	7.67	0.04
971	CECERY-LA	73.88	7.69	0.04
972	CECERY-LA	74.17	7.71	0.04
973	CECERY-LA	74.27	7.73	0.04
974	CECERY-LA	74.52	7.75	0.04
975	CECERY-LA	74.72	7.77	-0.87
976	CECERY-LA	74.75	7.79	-0.87
977	CECERY-LA	74.09	7.81	-0.87
978	CECERY-LA	74.10	7.83	-0.87
979	CECERY-LA	74.65	7.85	-1.83
980	CECERY-LA	75.08	7.87	-1.83
981	CECERY-LA	75.65	7.89	-1.83
982	CECERY-LA	76.01	7.91	-1.83
983	CECERY-LA	76.15	7.93	-1.83
984	CECERY-LA	76.10	7.96	-2.62
985	CECERY-LA	76.39	7.98	-2.62
986	CECERY-LA	76.62	8.00	-2.62
987	CECERY-LA	76.87	8.02	-2.62
988	CECERY-LA	77.15	8.04	-2.62
989	CECERY-LA	77.09	8.06	-2.08
990	CECERY-LA	76.65	8.08	-2.08
991	CECERY-LA	75.75	8.10	-2.08
992	CECERY-LA	75.52	8.12	-2.08
993	CECERY-LA	75.74	8.14	-2.08
994	CECERY-LA	75.38	8.17	-2.10
995	CECERY-LA	75.22	8.19	-2.10
996	CECERY-LA	74.95	8.21	-2.10
997	CECERY-LA	74.65	8.23	-2.10
998	CECERY-LA	74.65	8.25	-2.10
999	CECERY-LA	74.64	8.27	-2.58
1000	CECERY-LA	74.88	8.29	-2.58
1001	CECERY-LA	75.12	8.31	-2.58
1002	CECERY-LA	75.58	8.33	-2.58
1003	CECERY-LA	75.98	8.35	0.12
1004	CECERY-LA	76.04	8.37	0.12
1005	CECERY-LA	75.62	8.39	0.12
1006	CECERY-LA	75.07	8.41	0.12
1007	CECERY-LA	74.19	8.43	0.12
1008	CECERY-LA	73.51	8.45	0.50
1009	CECERY-LA	73.67	8.47	0.50
1010	CECERY-LA	73.71	8.49	0.50
1011	CECERY-LA	73.81	8.51	0.50
1012	CECERY-LA	73.37	8.53	0.50
1013	CECERY-LA	72.09	8.55	1.47
1014	CECERY-LA	71.34	8.57	1.47

Page 15 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
1093	CECERY-LA	72.02	10.17	0.68
1094	CECERY-LA	72.14	10.19	0.68
1095	CECERY-LA	72.27	10.21	0.68
1096	CECERY-LA	71.66	10.23	0.68
1097	CECERY-LA	71.15	10.25	0.68
1098	CECERY-LA	71.09	10.27	0.57
1099	CECERY-LA	70.82	10.29	0.57
1100	CECERY-LA	70.72	10.30	0.57
1101	CECERY-LA	70.79	10.32	0.57
1102	CECERY-LA	70.80	10.34	0.57
1103	CECERY-LA	70.36	10.36	0.74
1104	CECERY-LA	69.92	10.38	0.74
1105	CECERY-LA	69.42	10.40	0.74
1106	CECERY-LA	68.79	10.42	0.74
1107	CECERY-LA	67.83	10.44	0.74
1108	CECERY-LA	66.87	10.46	0.68
1109	CECERY-LA	65.94	10.48	0.68
1110	CECERY-LA	65.01	10.49	0.68
1111	CECERY-LA	64.13	10.51	0.68
1112	CECERY-LA	63.40	10.53	0.68
1113	CECERY-LA	63.52	10.55	0.68
1114	CECERY-LA	63.37	10.56	0.62
1115	CECERY-LA	63.35	10.58	0.62
1116	CECERY-LA	63.74	10.60	0.62
1117	CECERY-LA	64.33	10.62	0.62
1118	CECERY-LA	64.93	10.63	0.62
1119	CECERY-LA	65.43	10.65	-0.04
1120	CECERY-LA	65.88	10.67	-0.04
1121	CECERY-LA	65.91	10.69	-0.04
1122	CECERY-LA	65.79	10.71	-0.04
1123	CECERY-LA	65.80	10.72	-0.04
1124	CECERY-LA	66.26	10.74	-0.04
1125	CECERY-LA	66.46	10.76	0.47
1126	CECERY-LA	66.61	10.78	0.47
1127	CECERY-LA	66.76	10.80	0.47
1128	CECERY-LA	67.18	10.82	0.47
1129	CECERY-LA	67.62	10.83	0.47
1130	CECERY-LA	68.24	10.85	-1.28
1131	CECERY-LA	68.75	10.87	-1.28
1132	CECERY-LA	69.25	10.89	-1.28
1133	CECERY-LA	69.77	10.91	-1.28
1134	CECERY-LA	70.08	10.93	-1.28
1135	CECERY-LA	70.40	10.95	-1.28
1136	CECERY-LA	70.74	10.97	-0.44
1137	CECERY-LA	71.07	10.99	-0.44
1138	CECERY-LA	71.50	11.01	-0.44
1139	CECERY-LA	71.98	11.03	-0.44
1140	CECERY-LA	72.29	11.05	-0.44
1141	CECERY-LA	72.38	11.07	-0.06
1142	CECERY-LA	72.20	11.09	-0.06
1143	CECERY-LA	72.12	11.11	-0.06
1144	CECERY-LA	71.60	11.13	-0.06
1145	CECERY-LA	70.61	11.15	-0.06
1146	CECERY-LA	70.08	11.17	0.27
1147	CECERY-LA	70.31	11.18	0.27
1148	CECERY-LA	70.70	11.20	0.27
1149	CECERY-LA	71.06	11.22	0.27
1150	CECERY-LA	71.45	11.24	0.27
1151	CECERY-LA	71.85	11.26	0.49
1152	CECERY-LA	72.21	11.28	0.49
1153	CECERY-LA	72.45	11.30	0.49
1154	CECERY-LA	72.94	11.32	0.49
1155	CECERY-LA	73.27	11.34	0.49
1156	CECERY-LA	73.39	11.36	0.49
1157	CECERY-LA	73.26	11.38	0.49
1158	CECERY-LA	73.27	11.40	0.49
1159	CECERY-LA	73.48	11.42	0.49
1160	CECERY-LA	73.53	11.44	0.49
1161	CECERY-LA	73.66	11.46	0.30
1162	CECERY-LA	73.80	11.48	0.30
1163	CECERY-LA	74.02	11.50	0.30
1164	CECERY-LA	74.24	11.52	0.30
1165	CECERY-LA	74.46	11.55	0.30
1166	CECERY-LA	74.64	11.57	0.22
1167	CECERY-LA	74.85	11.59	0.22
1168	CECERY-LA	74.99	11.61	0.22
1169	CECERY-LA	75.28	11.63	0.22
1170	CECERY-LA	75.40	11.65	0.22

Page 14 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
1015	CECERY-LA	71.43	8.59	1.47
1016	CECERY-LA	71.52	8.61	1.47
1017	CECERY-LA	71.66	8.63	1.47
1018	CECERY-LA	71.77	8.65	0.92
1019	CECERY-LA	72.01	8.67	0.92
1020	CECERY-LA	72.32	8.69	0.92
1021	CECERY-LA	72.52	8.71	0.92
1022	CECERY-LA	72.54	8.73	0.92
1023	CECERY-LA	72.21	8.75	0.37
1024	CECERY-LA	71.15	8.77	0.37
1025	CECERY-LA	70.21	8.79	0.37
1026	CECERY-LA	70.37	8.81	0.37
1027	CECERY-LA	70.64	8.83	0.37
1028	CECERY-LA	70.83	8.85	0.37
1029	CECERY-LA	70.59	8.87	-0.06
1030	CECERY-LA	70.47	8.89	-0.06
1031	CECERY-LA	70.75	8.91	-0.06
1032	CECERY-LA	71.22	8.93	-0.06
1033	CECERY-LA	71.72	8.95	-0.06
1034	CECERY-LA	72.13	8.97	-0.32
1035	CECERY-LA	72.30	8.99	-0.32
1036	CECERY-LA	72.48	9.01	-0.32
1037	CECERY-LA	72.62	9.03	-0.32
1038	CECERY-LA	72.56	9.05	-0.32
1039	CECERY-LA	73.42	9.07	-2.11
1040	CECERY-LA	73.83	9.09	-2.11
1041	CECERY-LA	74.30	9.11	-2.11
1042	CECERY-LA	74.63	9.13	-2.11
1043	CECERY-LA	75.06	9.15	-2.11
1044	CECERY-LA	75.31	9.17	-2.34
1045	CECERY-LA	75.12	9.19	-2.34
1046	CECERY-LA	75.56	9.21	-2.34
1047	CECERY-LA	74.98	9.23	-2.34
1048	CECERY-LA	74.48	9.25	-1.13
1049	CECERY-LA	73.87	9.27	-1.13
1050	CECERY-LA	73.45	9.29	-1.13
1051	CECERY-LA	73.47	9.31	-1.13
1052	CECERY-LA	73.41	9.33	-1.13
1053	CECERY-LA	73.75	9.35	-2.68
1054	CECERY-LA	73.98	9.37	-2.68
1055	CECERY-LA	73.51	9.39	-2.68
1056	CECERY-LA	72.90	9.41	-2.68
1057	CECERY-LA	72.55	9.43	-2.68
1058	CECERY-LA	72.11	9.45	-2.21
1059	CECERY-LA	72.19	9.47	-2.21
1060	CECERY-LA	72.81	9.49	-2.21
1061	CECERY-LA	73.42	9.51	-2.21
1062	CECERY-LA	74.08	9.53	-2.21
1063	CECERY-LA	74.56	9.55	-2.41
1064	CECERY-LA	74.90	9.57	-2.41
1065	CECERY-LA	75.07	9.60	-2.41
1066	CECERY-LA	75.13	9.62	-2.41
1067	CECERY-LA	75.20	9.64	-2.41
1068	CECERY-LA	74.99	9.66	-3.05
1069	CECERY-LA	74.36	9.68	-3.05
1070	CECERY-LA	74.51	9.70	-3.05
1071	CECERY-LA	74.95	9.72	-3.05
1072	CECERY-LA	75.12	9.74	-3.05
1073	CECERY-LA	75.74	9.76	-2.43
1074	CECERY-LA	76.08	9.78	-2.43
1075	CECERY-LA	76.26	9.80	-2.43
1076	CECERY-LA	76.37	9.82	-2.43
1077	CECERY-LA	76.43	9.84	-2.43
1078	CECERY-LA	76.41	9.87	-1.33
1079	CECERY-LA	76.31	9.89	-1.33
1080	CECERY-LA	76.10	9.91	-1.33
1081	CECERY-LA	75.97	9.93	-1.33
1082	CECERY-LA	75.56	9.95	-1.33
1083	CECERY-LA	74.68	9.97	-0.55
1084	CECERY-LA	73.31	9.99	-0.55
1085	CECERY-LA	72.26	10.01	-0.55
1086	CECERY-LA	71.70	10.03	-0.55
1087	CECERY-LA	71.74	10.05	-0.55
1088	CECERY-LA	71.82	10.07	

Page 17 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
1249	CECERY-LA	74.69	13.24	-0.75
1250	CECERY-LA	74.88	13.26	-0.66
1251	CECERY-LA	74.89	13.28	-0.66
1252	CECERY-LA	74.63	13.30	-0.66
1253	CECERY-LA	73.20	13.32	-0.66
1254	CECERY-LA	72.43	13.34	-0.66
1255	CECERY-LA	72.13	13.36	-0.43
1256	CECERY-LA	72.38	13.38	-0.43
1257	CECERY-LA	72.57	13.40	-0.43
1258	CECERY-LA	72.57	13.42	-0.43
1259	CECERY-LA	72.39	13.44	-0.43
1260	CECERY-LA	71.91	13.46	-0.10
1261	CECERY-LA	71.47	13.48	-0.10
1262	CECERY-LA	71.38	13.50	-0.10
1263	CECERY-LA	71.48	13.52	-0.10
1264	CECERY-LA	71.59	13.54	-0.10
1265	CECERY-LA	71.41	13.56	1.50
1266	CECERY-LA	71.22	13.58	1.50
1267	CECERY-LA	70.98	13.60	1.50
1268	CECERY-LA	69.73	13.62	1.50
1269	CECERY-LA	68.40	13.63	1.50
1270	CECERY-LA	67.02	13.65	1.88
1271	CECERY-LA	65.62	13.67	1.88
1272	CECERY-LA	64.47	13.69	1.88
1273	CECERY-LA	64.40	13.71	1.88
1274	CECERY-LA	64.88	13.72	1.88
1275	CECERY-LA	65.73	13.74	1.88
1276	CECERY-LA	66.63	13.76	1.03
1277	CECERY-LA	67.29	13.78	1.03
1278	CECERY-LA	67.99	13.80	1.03
1279	CECERY-LA	68.54	13.82	1.03
1280	CECERY-LA	69.07	13.84	1.03
1281	CECERY-LA	69.45	13.86	0.27
1282	CECERY-LA	69.49	13.87	0.27
1283	CECERY-LA	69.77	13.89	0.27
1284	CECERY-LA	70.16	13.91	0.27
1285	CECERY-LA	69.54	13.93	0.27
1286	CECERY-LA	68.59	13.95	-0.94
1287	CECERY-LA	67.84	13.97	-0.94
1288	CECERY-LA	67.90	13.99	-0.94
1289	CECERY-LA	67.75	14.01	-0.94
1290	CECERY-LA	67.22	14.03	-0.94
1291	CECERY-LA	66.54	14.04	-0.94
1292	CECERY-LA	66.63	14.06	-0.81
1293	CECERY-LA	67.37	14.08	-0.81
1294	CECERY-LA	68.18	14.10	-0.81
1295	CECERY-LA	69.10	14.12	-0.81
1296	CECERY-LA	69.68	14.14	-0.81
1297	CECERY-LA	69.93	14.16	0.20
1298	CECERY-LA	70.11	14.18	0.20
1299	CECERY-LA	69.95	14.19	0.20
1300	CECERY-LA	69.68	14.21	0.20
1301	CECERY-LA	69.33	14.23	0.20
1302	CECERY-LA	68.58	14.25	0.42
1303	CECERY-LA	67.53	14.27	0.42
1304	CECERY-LA	67.40	14.29	0.42
1305	CECERY-LA	67.82	14.31	0.42
1306	CECERY-LA	68.21	14.33	0.42
1307	CECERY-LA	68.61	14.35	0.42
1308	CECERY-LA	69.06	14.36	0.41
1309	CECERY-LA	69.42	14.38	0.41
1310	CECERY-LA	68.67	14.40	0.41
1311	CECERY-LA	67.99	14.42	0.41
1312	CECERY-LA	66.63	14.44	0.41
1313	CECERY-LA	65.74	14.46	0.36
1314	CECERY-LA	65.73	14.48	0.36
1315	CECERY-LA	66.04	14.49	0.36
1316	CECERY-LA	66.23	14.51	0.36
1317	CECERY-LA	66.40	14.53	0.36
1318	CECERY-LA	66.52	14.55	0.36
1319	CECERY-LA	66.58	14.57	0.15
1320	CECERY-LA	66.35	14.58	0.15
1321	CECERY-LA	66.09	14.60	0.15
1322	CECERY-LA	66.20	14.62	0.15
1323	CECERY-LA	66.78	14.64	0.15
1324	CECERY-LA	67.56	14.66	0.37
1325	CECERY-LA	68.40	14.68	0.37
1326	CECERY-LA	69.03	14.70	0.37

Page 19 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
1405	CECERY-LA	64.01	16.11	0.32
1406	CECERY-LA	64.39	16.13	0.32
1407	CECERY-LA	64.70	16.15	0.32
1408	CECERY-LA	65.10	16.17	-0.15
1409	CECERY-LA	65.45	16.18	-0.15
1410	CECERY-LA	65.80	16.20	-0.15
1411	CECERY-LA	66.12	16.22	-0.15
1412	CECERY-LA	66.59	16.24	-0.15
1413	CECERY-LA	67.07	16.26	-1.32
1414	CECERY-LA	67.53	16.28	-1.32
1415	CECERY-LA	68.08	16.29	-1.32
1416	CECERY-LA	68.56	16.31	-1.32
1417	CECERY-LA	69.01	16.33	-1.32
1418	CECERY-LA	69.39	16.35	1.65
1419	CECERY-LA	69.21	16.37	1.65
1420	CECERY-LA	68.12	16.39	1.65
1421	CECERY-LA	67.41	16.41	1.65
1422	CECERY-LA	67.43	16.43	1.65
1423	CECERY-LA	67.52	16.44	1.65
1424	CECERY-LA	67.42	16.46	-0.21
1425	CECERY-LA	66.35	16.48	-0.21
1426	CECERY-LA	65.38	16.50	-0.21
1427	CECERY-LA	64.24	16.52	-0.21
1428	CECERY-LA	62.55	16.53	-0.21
1429	CECERY-LA	60.61	16.55	-0.29
1430	CECERY-LA	58.90	16.57	-0.29
1431	CECERY-LA	58.13	16.58	-0.29
1432	CECERY-LA	58.59	16.60	-0.29
1433	CECERY-LA	59.30	16.62	-0.29
1434	CECERY-LA	60.22	16.63	-0.29
1435	CECERY-LA	61.24	16.65	-0.29
1436	CECERY-LA	62.00	16.67	-0.15
1437	CECERY-LA	62.93	16.68	-0.15
1438	CECERY-LA	63.79	16.70	-0.15
1439	CECERY-LA	64.65	16.72	-0.15
1440	CECERY-LA	65.45	16.74	-0.15
1441	CECERY-LA	65.69	16.75	0.06
1442	CECERY-LA	64.70	16.77	0.06
1443	CECERY-LA	64.07	16.79	0.06
1444	CECERY-LA	64.37	16.81	0.06
1445	CECERY-LA	64.79	16.83	0.06
1446	CECERY-LA	65.25	16.84	0.06
1447	CECERY-LA	65.73	16.86	-1.03
1448	CECERY-LA	66.17	16.88	-1.03
1449	CECERY-LA	66.69	16.90	-1.03
1450	CECERY-LA	67.09	16.92	-1.03
1451	CECERY-LA	66.68	16.93	-1.03
1452	CECERY-LA	65.75	16.95	0.03
1453	CECERY-LA	64.88	16.97	0.03
1454	CECERY-LA	65.01	16.99	0.03
1455	CECERY-LA	64.76	17.01	0.03
1456	CECERY-LA	63.84	17.02	0.03
1457	CECERY-LA	63.66	17.04	0.03
1458	CECERY-LA	64.18	17.06	0.00
1459	CECERY-LA	64.75	17.08	0.00
1460	CECERY-LA	65.37	17.09	0.00
1461	CECERY-LA	65.99	17.11	0.00
1462	CECERY-LA	66.62	17.13	0.00
1463	CECERY-LA	67.20	17.15	0.00
1464	CECERY-LA	67.69	17.17	-0.45
1465	CECERY-LA	67.73	17.19	-0.45
1466	CECERY-LA	66.77	17.21	-0.45
1467	CECERY-LA	66.24	17.22	-0.45
1468	CECERY-LA	66.62	17.24	-0.45
1469	CECERY-LA	66.97	17.26	-1.12
1470	CECERY-LA	67.39	17.28	-1.12
1471	CECERY-LA	67.52	17.30	-0.12
1472	CECERY-LA	67.37	17.32	-0.12
1473	CECERY-LA	66.91	17.33	-0.12
1474	CECERY-LA	66.03	17.35	-0.03
1475	CECERY-LA	65.24	17.37	-0.03
1476	CECERY-LA	64.69	17.39	-0.03
1477	CECERY-LA	65.02	17.41	-0.03
1478	CECERY-LA	65.39	17.42	-0.03
1479	CECERY-LA	65.07	17.44	-0.03
1480	CECERY-LA	64.67	17.46	-0.15
1481	CECERY-LA	64.87	17.48	-0.15
1482	CECERY-LA	64.87	17.50	-0.15

Page 18 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
1327	CECERY-LA	69.26	14.71	0.37
1328	CECERY-LA	69.01	14.73	0.37
1329	CECERY-LA	68.49	14.75	0.48
1330	CECERY-LA	68.22	14.77	0.48
1331	CECERY-LA	67.92	14.79	0.48
1332	CECERY-LA	67.67	14.81	0.48
1333	CECERY-LA	68.01	14.83	0.48
1334	CECERY-LA	68.39	14.85	0.48
1335	CECERY-LA	68.79	14.87	0.45
1336	CECERY-LA	68.79	14.88	0.45
1337	CECERY-LA	67.79	14.90	0.45
1338	CECERY-LA	67.45	14.92	0.45
1339	CECERY-LA	67.83	14.94	0.45
1340	CECERY-LA	68.15	14.96	0.29
1341	CECERY-LA	68.50	14.98	-0.29
1342	CECERY-LA	68.89	15.00	-0.29
1343	CECERY-LA	69.14	15.02	-0.29
1344	CECERY-LA	69.28	15.03	-0.29
1345	CECERY-LA	69.14	15.05	-0.39
1346	CECERY-LA	69.05	15.07	-0.39
1347	CECERY-LA	69.09	15.09	-0.39
1348	CECERY-LA	69.42	15.11	-0.39
1349	CECERY-LA	69.83	15.13	-0.39
1350	CECERY-LA	70.21	15.15	-0.39
1351	CECERY-LA	70.80	15.17	-0.30
1352	CECERY-LA	71.12	15.19	-0.30
1353	CECERY-LA	71.22	15.21	-0.30
1354	CECERY-LA	71.24	15.23	-0.30
1355	CECERY-LA	71.35	15.25	-0.30
1356	CECERY-LA	71.48	15.27	-0.01
1357	CECERY-LA	71.62	15.29	-0.01
1358	CECERY-LA	71.81	15.31	-0.01
1359	CECERY-LA	71.86	15.33	-0.01
1360	CECERY-LA	72.00	15.35	-0.01
1361	CECERY-LA	72.04	15.37	-0.05
1362	CECERY-LA	72.15	15.39	-0.05
1363	CECERY-LA	72.36	15.40	-0.05
1364	CECERY-LA	72.42	15.42	-0.05
1365	CECERY-LA	72.15	15.44	-0.05
1366	CECERY-LA	71.90	15.46	0.22
1367	CECERY-LA	71.19	15.48	0.22
1368	CECERY-LA	70.21	15.50	0.22
1369	CECERY-LA	70.40	15.52	0.22
1370	CECERY-LA	70.91	15.54	0.22
1371	CECERY-LA	70.92	15.56	0.12
1372	CECERY-LA	69.84	15.58	0.12
1373	CECERY-LA	68.89	15.60	0.12
1374	CECERY-LA	67.85	15.62	0.12
1375	CECERY-LA	66.51	15.64	0.12
1376	CECERY-LA	63.98	15.65	0.48
1377	CECERY-LA	60.38	15.67	0.48
1378	CECERY-LA	56.98	15.69	0.48
1379	CECERY-LA	53.90	15.70	0.48
1380	CECERY-LA	51.70	15.72	0.48
1381	CECERY-LA	50.93	15.73	0.48
1382	CECERY-LA	51.24	15.74	0.48
1383	CECERY-LA	51.79	15.76	0.54
1384	CECERY-LA	52.53	15.77	0.54
1385	CECERY-LA	53.48	15.79	0.54
1386	CECERY-LA	54.51	15.80	0.54
1387	CECERY-LA	55.33	15.82	0.54
1388	CECERY-LA	55.86	15.83	0.54
1389	CECERY-LA	56.92	15.85	0.54
1390	CECERY-LA	57.71	15.86	-1.09
1391	CECERY-LA	58.12	15.88	-1.09
1392	CECERY-LA	57.75	15.90	-1.09
1393	CECERY-LA	57.38	15.91	-1.09
1394	CECERY-LA	57.75	15.93	-1.09
1395	CECERY-LA	58.10	15.94	-1.09
1396	CECERY-LA	58.54	15.96	1

Page 21 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
1561	CECERY-LA	66.75	18.86	0.21
1562	CECERY-LA	67.07	18.88	0.21
1563	CECERY-LA	67.42	18.90	0.21
1564	CECERY-LA	67.66	18.92	0.21
1565	CECERY-LA	67.78	18.94	0.21
1566	CECERY-LA	68.20	18.95	0.70
1567	CECERY-LA	67.50	18.97	0.70
1568	CECERY-LA	66.94	18.99	0.70
1569	CECERY-LA	66.00	19.01	0.70
1570	CECERY-LA	66.15	19.03	0.70
1571	CECERY-LA	66.75	19.05	0.70
1572	CECERY-LA	67.50	19.06	0.30
1573	CECERY-LA	68.06	19.08	0.30
1574	CECERY-LA	68.44	19.10	0.30
1575	CECERY-LA	68.49	19.12	0.30
1576	CECERY-LA	67.81	19.14	0.30
1577	CECERY-LA	66.78	19.16	-1.44
1578	CECERY-LA	65.88	19.18	-1.44
1579	CECERY-LA	64.97	19.19	-1.44
1580	CECERY-LA	64.08	19.21	-1.44
1581	CECERY-LA	63.88	19.23	-1.44
1582	CECERY-LA	64.49	19.25	-1.44
1583	CECERY-LA	65.17	19.26	2.03
1584	CECERY-LA	65.92	19.28	2.03
1585	CECERY-LA	66.53	19.30	2.03
1586	CECERY-LA	66.89	19.32	2.03
1587	CECERY-LA	67.09	19.34	2.03
1588	CECERY-LA	67.12	19.36	-0.28
1589	CECERY-LA	67.47	19.37	-0.28
1590	CECERY-LA	67.92	19.39	-0.28
1591	CECERY-LA	68.37	19.41	-0.28
1592	CECERY-LA	68.83	19.43	-0.28
1593	CECERY-LA	69.36	19.45	-0.72
1594	CECERY-LA	69.81	19.47	-0.72
1595	CECERY-LA	69.36	19.49	-0.72
1596	CECERY-LA	68.46	19.51	-0.72
1597	CECERY-LA	68.05	19.53	-0.72
1598	CECERY-LA	68.28	19.54	-0.72
1599	CECERY-LA	68.68	19.56	-0.32
1600	CECERY-LA	68.15	19.58	-0.32
1601	CECERY-LA	67.20	19.60	-0.32
1602	CECERY-LA	66.29	19.62	-0.32
1603	CECERY-LA	65.63	19.64	-0.32
1604	CECERY-LA	65.86	19.66	-2.28
1605	CECERY-LA	66.19	19.67	-2.28
1606	CECERY-LA	66.26	19.69	-2.28
1607	CECERY-LA	66.12	19.71	-2.28
1608	CECERY-LA	66.26	19.73	-2.28
1609	CECERY-LA	66.45	19.75	-2.28
1610	CECERY-LA	66.69	19.76	1.55
1611	CECERY-LA	67.04	19.78	1.55
1612	CECERY-LA	67.43	19.80	1.55
1613	CECERY-LA	67.80	19.82	1.55
1614	CECERY-LA	67.96	19.84	1.55
1615	CECERY-LA	68.27	19.86	-0.03
1616	CECERY-LA	68.50	19.88	-0.03
1617	CECERY-LA	68.93	19.90	-0.03
1618	CECERY-LA	69.31	19.91	-0.03
1619	CECERY-LA	69.55	19.93	-0.03
1620	CECERY-LA	69.75	19.95	-0.01
1621	CECERY-LA	69.82	19.97	-0.01
1622	CECERY-LA	69.67	19.99	-0.01
1623	CECERY-LA	69.53	20.01	-0.01
1624	CECERY-LA	69.56	20.03	-0.01
1625	CECERY-LA	69.67	20.05	-0.01
1626	CECERY-LA	69.78	20.07	-0.19
1627	CECERY-LA	69.63	20.09	-0.19
1628	CECERY-LA	69.39	20.11	-0.19
1629	CECERY-LA	69.37	20.13	-0.19
1630	CECERY-LA	69.18	20.14	-0.19
1631	CECERY-LA	68.78	20.16	1.83
1632	CECERY-LA	68.13	20.18	1.83
1633	CECERY-LA	67.51	20.20	1.83
1634	CECERY-LA	66.65	20.22	1.83
1635	CECERY-LA	65.79	20.24	1.83
1636	CECERY-LA	65.14	20.25	0.29
1637	CECERY-LA	65.29	20.27	0.29
1638	CECERY-LA	65.76	20.29	0.29

Page 23 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
1717	CECERY-LA	76.31	21.83	0.14
1718	CECERY-LA	76.33	21.85	-0.11
1719	CECERY-LA	76.54	21.88	-0.11
1720	CECERY-LA	76.66	21.90	-0.11
1721	CECERY-LA	76.79	21.92	-0.11
1722	CECERY-LA	76.91	21.94	-0.11
1723	CECERY-LA	76.97	21.96	-0.34
1724	CECERY-LA	77.06	21.98	-0.34
1725	CECERY-LA	77.30	22.00	-0.34
1726	CECERY-LA	77.46	22.02	-0.34
1727	CECERY-LA	77.61	22.05	-0.34
1728	CECERY-LA	77.61	22.07	-0.34
1729	CECERY-LA	77.60	22.09	-0.34
1730	CECERY-LA	77.21	22.11	-0.34
1731	CECERY-LA	77.08	22.13	-0.34
1732	CECERY-LA	76.91	22.15	-0.82
1733	CECERY-LA	76.72	22.17	-0.82
1734	CECERY-LA	76.61	22.19	-0.82
1735	CECERY-LA	76.31	22.21	-0.82
1736	CECERY-LA	75.33	22.24	-0.82
1737	CECERY-LA	74.49	22.26	-0.89
1738	CECERY-LA	73.62	22.28	-0.89
1739	CECERY-LA	72.67	22.30	-0.89
1740	CECERY-LA	71.57	22.32	-0.89
1741	CECERY-LA	71.01	22.34	-0.89
1742	CECERY-LA	71.07	22.35	0.67
1743	CECERY-LA	71.21	22.37	0.67
1744	CECERY-LA	71.41	22.39	0.67
1745	CECERY-LA	71.45	22.41	0.67
1746	CECERY-LA	71.52	22.43	0.67
1747	CECERY-LA	71.55	22.45	-0.93
1748	CECERY-LA	71.75	22.47	-0.93
1749	CECERY-LA	71.88	22.49	-0.93
1750	CECERY-LA	72.19	22.51	-0.93
1751	CECERY-LA	72.31	22.53	-0.93
1752	CECERY-LA	71.68	22.55	-0.82
1753	CECERY-LA	70.66	22.57	-0.82
1754	CECERY-LA	69.84	22.59	-0.82
1755	CECERY-LA	69.08	22.61	-0.82
1756	CECERY-LA	69.06	22.63	-0.82
1757	CECERY-LA	69.18	22.65	-0.82
1758	CECERY-LA	69.29	22.67	-0.37
1759	CECERY-LA	69.58	22.69	-0.37
1760	CECERY-LA	69.63	22.70	-0.37
1761	CECERY-LA	69.39	22.72	-0.37
1762	CECERY-LA	69.31	22.74	-0.37
1763	CECERY-LA	69.57	22.76	0.04
1764	CECERY-LA	69.17	22.78	0.04
1765	CECERY-LA	68.17	22.80	0.04
1766	CECERY-LA	66.56	22.82	0.04
1767	CECERY-LA	64.86	22.84	0.04
1768	CECERY-LA	63.47	22.85	-0.31
1769	CECERY-LA	63.10	22.87	-0.31
1770	CECERY-LA	63.51	22.89	-0.31
1771	CECERY-LA	64.10	22.91	-0.31
1772	CECERY-LA	64.60	22.92	-0.31
1773	CECERY-LA	65.06	22.94	-0.31
1774	CECERY-LA	65.06	22.96	0.23
1775	CECERY-LA	64.15	22.98	0.23
1776	CECERY-LA	63.27	22.99	0.23
1777	CECERY-LA	62.15	23.01	0.23
1778	CECERY-LA	60.72	23.03	0.23
1779	CECERY-LA	59.25	23.04	0.23
1780	CECERY-LA	58.53	23.06	0.47
1781	CECERY-LA	58.56	23.08	0.47
1782	CECERY-LA	59.02	23.09	0.47
1783	CECERY-LA	59.54	23.11	0.47
1784	CECERY-LA	60.24	23.13	0.47
1785	CECERY-LA	60.97	23.14	0.47
1786	CECERY-LA	61.34	23.16	1.14
1787	CECERY-LA	61.89	23.18	1.14
1788	CECERY-LA	62.28	23.19	1.14
1789	CECERY-LA	62.69	23.21	1.14
1790	CECERY-LA	62.79	23.23	1.14
1791	CECERY-LA	63.06	23.25	1.14
1792	CECERY-LA	63.32	23.26	0.97
1793	CECERY-LA	63.44	23.28	0.97
1794	CECERY-LA	63.61	23.30	0.97

Page 22 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
1639	CECERY-LA	66.27	20.31	0.29
1640	CECERY-LA	66.84	20.33	0.29
1641	CECERY-LA	67.15	20.35	0.29
1642	CECERY-LA	67.44	20.36	-1.23
1643	CECERY-LA	67.91	20.38	-1.23
1644	CECERY-LA	68.18	20.40	-1.23
1645	CECERY-LA	68.30	20.42	-1.23
1646	CECERY-LA	68.51	20.44	-1.23
1647	CECERY-LA	68.52	20.46	-1.32
1648	CECERY-LA	68.88	20.48	-1.32
1649	CECERY-LA	68.59	20.50	-1.32
1650	CECERY-LA	68.17	20.51	-1.32
1651	CECERY-LA	68.64	20.53	-1.32
1652	CECERY-LA	68.84	20.55	-1.32
1653	CECERY-LA	68.79	20.57	-1.32
1654	CECERY-LA	68.87	20.59	-1.32
1655	CECERY-LA	69.17	20.61	-1.32
1656	CECERY-LA	69.68	20.63	-1.32
1657	CECERY-LA	70.26	20.65	-1.32
1658	CECERY-LA	70.90	20.67	-1.52
1659	CECERY-LA	71.56	20.69	-1.52
1660	CECERY-LA	71.81	20.71	-1.52
1661	CECERY-LA	71.83	20.73	-1.52
1662	CECERY-LA	71.78	20.75	-1.52
1663	CECERY-LA	72.04	20.77	-1.54
1664	CECERY-LA	72.49	20.79	-1.54
1665	CECERY-LA	72.78	20.81	-1.54
1666	CECERY-LA	72.87	20.83	-1.54
1667	CECERY-LA	72.64	20.85	-1.54
1668	CECERY-LA	72.06	20.87	-0.90
1669	CECERY-LA	71.49	20.89	-0.90
1670	CECERY-LA	71.41	20.90	-0.90
1671	CECERY-LA	71.51	20.92	-0.90
1672	CECERY-LA	71.33	20.94	-0.90
1673	CECERY-LA	71.56	20.96	-0.35
1674	CECERY-LA	71.67	20.98	-0.35
1675	CECERY-LA	71.86	21.00	-0.35
1676	CECERY-LA	71.59	21.02	-0.35
1677	CECERY-LA	72.03	21.04	-0.35
1678	CECERY-LA	72.20	21.06	-0.29
1679	CECERY-LA	72.36	21.08	-0.29
1680	CECERY-LA	72.50	21.10	-0.29
1681	CECERY-LA	72.56	21.12	-0.29
1682	CECERY-LA	72.20	21.14	-0.29
1683	CECERY-LA	71.80	21.16	-0.75
1684	CECERY-LA	71.39	21.18	-0.75
1685	CECERY-LA	70.57	21.20	-0.75
1686	CECERY-LA	70.12	21.21	-0.75
1687	CECERY-LA	70.14	21.24	-0.75
1688	CECERY-LA	70.11	21.26	-0.84
1689	CECERY-LA	70.13	21.28	-0.84
1690	CECERY-LA	70.17	21.30	-0.84
1691	CECERY-LA	70.07	21.32	-0.84
1692	CECERY-LA	69.31	21.34	-0.84
1693	CECERY-LA	68.58	21.35	-0.84
1694	CECERY-LA	68.38	21.37	0.52
1695	CECERY-LA	68.65	21.39	0.52
1696	CECERY-LA	68.97	21.41	0.52
1697	CECERY-LA	69.29	21.43	0.52
1698	CECERY-LA	69.61	21.45	0.52
1699	CECERY-LA	70.07	21.47	-0.44
1700	CECERY-LA	70.57	21.49	-0.44
1701	CECERY-LA	71.02	21.51	-0.44
1702	CECERY-LA	71.34	21.53	-0.44
1703	CECERY-LA	71.77	21.55	-0.44
1704	CECERY-LA	72.12	21.57	-1.06
1705	CECERY-LA	72.64	21.59	-1.06
1706	CECERY-LA	73.21	21.61	-1.06
1707	CECERY-LA	73.61	21.63	-1.06
1708	CECERY-LA	73.84	21.65	-1

Page 25 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
1873	CECERT-LA	72.11	24.82	0.63
1874	CECERT-LA	72.24	24.84	0.63
1875	CECERT-LA	72.39	24.86	-2.28
1876	CECERT-LA	72.44	24.88	-2.28
1877	CECERT-LA	72.04	24.90	-2.28
1878	CECERT-LA	71.02	24.92	-2.28
1879	CECERT-LA	71.19	24.94	-2.28
1880	CECERT-LA	71.13	24.96	4.63
1881	CECERT-LA	71.13	24.98	4.63
1882	CECERT-LA	70.93	25.00	4.63
1883	CECERT-LA	71.10	25.01	4.63
1884	CECERT-LA	71.35	25.03	4.63
1885	CECERT-LA	71.68	25.05	3.17
1886	CECERT-LA	71.96	25.07	3.17
1887	CECERT-LA	72.15	25.09	3.17
1888	CECERT-LA	72.30	25.11	3.17
1889	CECERT-LA	71.85	25.13	3.17
1890	CECERT-LA	70.33	25.15	3.16
1891	CECERT-LA	67.91	25.17	3.16
1892	CECERT-LA	64.69	25.19	3.16
1893	CECERT-LA	61.68	25.21	3.16
1894	CECERT-LA	60.51	25.22	3.16
1895	CECERT-LA	59.63	25.24	3.16
1896	CECERT-LA	58.25	25.25	2.81
1897	CECERT-LA	57.14	25.27	2.81
1898	CECERT-LA	56.88	25.29	2.81
1899	CECERT-LA	57.17	25.30	2.81
1900	CECERT-LA	57.33	25.32	2.81
1901	CECERT-LA	57.50	25.33	2.81
1902	CECERT-LA	57.80	25.35	2.81
1903	CECERT-LA	58.21	25.37	2.85
1904	CECERT-LA	58.38	25.38	2.95
1905	CECERT-LA	58.50	25.40	2.95
1906	CECERT-LA	58.39	25.41	2.95
1907	CECERT-LA	58.14	25.43	2.95
1908	CECERT-LA	57.90	25.45	2.95
1909	CECERT-LA	57.69	25.46	2.01
1910	CECERT-LA	57.85	25.48	2.01
1911	CECERT-LA	58.19	25.49	2.01
1912	CECERT-LA	58.30	25.51	2.01
1913	CECERT-LA	58.29	25.53	2.01
1914	CECERT-LA	58.28	25.54	2.01
1915	CECERT-LA	58.13	25.56	1.07
1916	CECERT-LA	57.17	25.57	1.07
1917	CECERT-LA	55.92	25.59	1.07
1918	CECERT-LA	53.93	25.60	1.07
1919	CECERT-LA	52.56	25.62	1.07
1920	CECERT-LA	51.40	25.63	1.07
1921	CECERT-LA	50.38	25.65	1.07
1922	CECERT-LA	50.25	25.66	-0.47
1923	CECERT-LA	50.62	25.67	-0.47
1924	CECERT-LA	51.40	25.68	-0.47
1925	CECERT-LA	51.49	25.70	-0.47
1926	CECERT-LA	50.18	25.72	-0.47
1927	CECERT-LA	48.13	25.73	-0.47
1928	CECERT-LA	45.57	25.74	-0.47
1929	CECERT-LA	41.14	25.75	-1.60
1930	CECERT-LA	34.98	25.76	-1.60
1931	CECERT-LA	29.51	25.77	-1.60
1932	CECERT-LA	25.14	25.78	-1.60
1933	CECERT-LA	21.16	25.78	-1.60
1934	CECERT-LA	17.17	25.79	-1.60
1935	CECERT-LA	13.49	25.79	-1.60
1936	CECERT-LA	11.22	25.79	-1.60
1937	CECERT-LA	10.32	25.80	-1.60
1938	CECERT-LA	10.39	25.80	-1.60
1939	CECERT-LA	10.76	25.80	-1.60
1940	CECERT-LA	11.11	25.81	-1.60
1941	CECERT-LA	11.43	25.81	-1.60
1942	CECERT-LA	11.30	25.81	-1.60
1943	CECERT-LA	10.65	25.82	-1.60
1944	CECERT-LA	9.89	25.82	-1.60
1945	CECERT-LA	10.12	25.82	-1.60
1946	CECERT-LA	10.87	25.82	-1.60
1947	CECERT-LA	10.32	25.83	-1.60
1948	CECERT-LA	9.05	25.83	-1.60
1949	CECERT-LA	7.56	25.83	-1.60
1950	CECERT-LA	6.33	25.83	-1.60

Page 27 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
2029	CECERT-LA	45.85	26.40	2.27
2030	CECERT-LA	46.57	26.41	2.27
2031	CECERT-LA	47.32	26.43	2.27
2032	CECERT-LA	48.19	26.44	2.27
2033	CECERT-LA	49.22	26.45	5.51
2034	CECERT-LA	50.14	26.47	5.51
2035	CECERT-LA	50.93	26.48	5.51
2036	CECERT-LA	51.63	26.50	5.51
2037	CECERT-LA	52.16	26.51	5.51
2038	CECERT-LA	52.48	26.52	5.51
2039	CECERT-LA	52.65	26.54	5.51
2040	CECERT-LA	52.80	26.55	2.16
2041	CECERT-LA	53.05	26.57	2.16
2042	CECERT-LA	53.54	26.58	2.16
2043	CECERT-LA	54.51	26.60	2.16
2044	CECERT-LA	55.26	26.61	2.16
2045	CECERT-LA	56.08	26.63	2.16
2046	CECERT-LA	56.62	26.64	2.16
2047	CECERT-LA	57.37	26.66	3.58
2048	CECERT-LA	58.10	26.68	3.58
2049	CECERT-LA	58.07	26.69	3.58
2050	CECERT-LA	57.83	26.71	3.58
2051	CECERT-LA	57.78	26.72	3.58
2052	CECERT-LA	57.54	26.74	3.58
2053	CECERT-LA	58.24	26.76	1.01
2054	CECERT-LA	58.61	26.77	1.01
2055	CECERT-LA	59.02	26.79	1.01
2056	CECERT-LA	59.28	26.80	1.01
2057	CECERT-LA	59.67	26.82	1.01
2058	CECERT-LA	60.19	26.84	1.01
2059	CECERT-LA	60.83	26.85	1.18
2060	CECERT-LA	61.16	26.87	2.18
2061	CECERT-LA	61.43	26.89	2.18
2062	CECERT-LA	62.04	26.90	2.18
2063	CECERT-LA	62.27	26.92	2.18
2064	CECERT-LA	62.80	26.94	2.18
2065	CECERT-LA	63.23	26.96	2.77
2066	CECERT-LA	63.69	26.97	2.77
2067	CECERT-LA	64.22	26.99	2.77
2068	CECERT-LA	64.82	27.01	2.77
2069	CECERT-LA	65.27	27.03	2.77
2070	CECERT-LA	65.57	27.05	2.77
2071	CECERT-LA	65.88	27.06	-1.69
2072	CECERT-LA	66.38	27.08	-1.69
2073	CECERT-LA	66.99	27.10	-1.69
2074	CECERT-LA	67.61	27.12	-1.69
2075	CECERT-LA	68.28	27.14	-1.69
2076	CECERT-LA	68.86	27.16	-1.97
2077	CECERT-LA	69.24	27.18	-1.97
2078	CECERT-LA	69.09	27.19	-1.97
2079	CECERT-LA	68.76	27.21	-1.97
2080	CECERT-LA	68.51	27.23	-1.97
2081	CECERT-LA	68.28	27.25	-3.62
2082	CECERT-LA	68.48	27.27	-3.62
2083	CECERT-LA	68.81	27.29	-3.62
2084	CECERT-LA	68.52	27.31	-3.62
2085	CECERT-LA	67.76	27.33	-3.62
2086	CECERT-LA	65.82	27.34	-3.62
2087	CECERT-LA	63.74	27.36	-4.65
2088	CECERT-LA	61.49	27.38	-4.65
2089	CECERT-LA	59.59	27.39	-4.65
2090	CECERT-LA	59.03	27.41	-4.65
2091	CECERT-LA	58.73	27.43	-4.65
2092	CECERT-LA	58.57	27.44	-4.65
2093	CECERT-LA	58.90	27.46	-2.44
2094	CECERT-LA	59.48	27.48	-2.44
2095	CECERT-LA	59.68	27.49	-2.44
2096	CECERT-LA	59.32	27.51	-2.44
2097	CECERT-LA	58.57	27.52	-2.44
2098	CECERT-LA	56.51	27.54	-2.44
2099	CECERT-LA	54.26	27.56	-2.02
2100	CECERT-LA	52.08	27.57	-2.02
2101	CECERT-LA	50.23	27.58	-2.02
2102	CECERT-LA	48.60	27.60	-2.02
2103	CECERT-LA	47.75	27.61	-2.02
2104	CECERT-LA	47.50	27.62	-2.02
2105	CECERT-LA	47.11	27.64	-2.02
2106	CECERT-LA	46.85	27.65	-2.02

Page 26 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
1951	CECERT-LA	6.09	25.83	-1.60
1952	CECERT-LA	6.22	25.84	-1.60
1953	CECERT-LA	7.28	25.84	-1.60
1954	CECERT-LA	9.59	25.84	-1.60
1955	CECERT-LA	10.18	25.84	-1.60
1956	CECERT-LA	10.15	25.85	-1.60
1957	CECERT-LA	10.11	25.85	-1.60
1958	CECERT-LA	10.31	25.85	-0.87
1959	CECERT-LA	11.78	25.86	-0.87
1960	CECERT-LA	13.47	25.86	-0.87
1961	CECERT-LA	15.37	25.86	-0.87
1962	CECERT-LA	17.18	25.87	-0.87
1963	CECERT-LA	17.63	25.87	-0.87
1964	CECERT-LA	17.01	25.88	-0.87
1965	CECERT-LA	15.54	25.88	-0.87
1966	CECERT-LA	14.34	25.89	-0.87
1967	CECERT-LA	13.98	25.89	-0.87
1968	CECERT-LA	13.89	25.89	-0.87
1969	CECERT-LA	15.49	25.90	-0.87
1970	CECERT-LA	17.55	25.90	-0.87
1971	CECERT-LA	19.49	25.91	-0.87
1972	CECERT-LA	20.83	25.91	-0.87
1973	CECERT-LA	20.86	25.92	-0.87
1974	CECERT-LA	20.47	25.93	-0.87
1975	CECERT-LA	19.58	25.93	-0.87
1976	CECERT-LA	18.13	25.94	-0.87
1977	CECERT-LA	17.05	25.94	-0.87
1978	CECERT-LA	16.72	25.94	-0.87
1979	CECERT-LA	17.54	25.95	-0.87
1980	CECERT-LA	18.78	25.95	-0.87
1981	CECERT-LA	19.78	25.96	0.85
1982	CECERT-LA	20.73	25.97	0.85
1983	CECERT-LA	21.76	25.97	0.85
1984	CECERT-LA	21.69	25.98	0.85
1985	CECERT-LA	21.87	25.98	0.85
1986	CECERT-LA	22.86	25.99	0.85
1987	CECERT-LA	23.86	26.00	0.85
1988	CECERT-LA	23.77	26.00	0.85
1989	CECERT-LA	22.30	26.01	0.85
1990	CECERT-LA	20.73	26.02	0.85
1991	CECERT-LA	20.59	26.02	0.85
1992	CECERT-LA	22.26	26.03	0.85
1993	CECERT-LA	24.18	26.03	0.85
1994	CECERT-LA	26.07	26.04	0.85
1995	CECERT-LA	27.87	26.05	0.85
1996	CECERT-LA	29.73	26.06	2.67
1997	CECERT-LA	31.51	26.07	2.67
1998	CECERT-LA	33.07	26.07	2.67
1999	CECERT-LA	34.48	26.08	2.67
2000	CECERT-LA	35.66	26.09	2.67
2001	CECERT-LA	36.69	26.10	2.67
2002	CECERT-LA	37.21	26.11	2.67
2003	CECERT-LA	37.03	26.12	2.67
2004	CECERT-LA	35.85	26.13	2.67
2005	CECERT-LA	34.56	26.14	2.67
2006	CECERT-LA	35.25	26.15	2.66
2007	CECERT-LA	36.00	26.16	2.66
2008	CECERT-LA	36.66	26.17	2.66
2009	CECERT-LA	37.54	26.18	2.66
2010	CECERT-LA	38.49	26.19	2.66
2011	CECERT-LA	38.87	26.20	2.66
2012	CECERT-LA	37.57	26.22	2.66
2013	CECERT-LA	35.68	26.23	2.66
2014	CECERT-LA	34.28	26.23	2.66
2015	CECERT-LA	34.25	26.24	2.66
2016	CECERT-LA	35.18	26.25	2.32
2017	CECERT-LA	36.32	26.26	2.32
2018	CECERT-LA	37.50	26.27	2.32
2019	CECERT-LA	38.68	26.28	2.32
2020	CECERT-LA	39.51	26.30	2.32
2021	CECERT-LA	39.82	26.31	2.32
2022	CECERT-LA	40.28	26.32	2.32
2023	CECERT-LA	40.87	26.33	2.32
2024	CECERT-LA	41.82	26.34	2.32
2025	CECERT-LA	42.63	26.35	2.27
2026	CECERT-LA	43.52	26.36	2.27
2027	CECERT-LA	44.31	26.38	2.27
2028	CECERT-LA	45.14	26.39	2.27

Page 29 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
2185	CECERT-LA	41.93	28.24	-2.94
2186	CECERT-LA	43.13	28.26	-3.10
2187	CECERT-LA	43.65	28.27	-3.10
2188	CECERT-LA	44.52	28.28	-3.10
2189	CECERT-LA	45.45	28.29	-3.10
2190	CECERT-LA	45.98	28.30	-3.10
2191	CECERT-LA	45.93	28.32	-3.10
2192	CECERT-LA	45.61	28.33	-3.10
2193	CECERT-LA	45.18	28.34	-3.10
2194	CECERT-LA	44.34	28.35	-2.89
2195	CECERT-LA	43.92	28.37	-2.89
2196	CECERT-LA	43.57	28.38	-2.89
2197	CECERT-LA	42.38	28.39	-2.89
2198	CECERT-LA	40.55	28.40	-2.89
2199	CECERT-LA	38.64	28.41	-2.89
2200	CECERT-LA	37.18	28.42	-2.89
2201	CECERT-LA	36.77	28.43	-2.89
2202	CECERT-LA	36.67	28.44	-2.89
2203	CECERT-LA	37.21	28.45	-2.97
2204	CECERT-LA	38.17	28.46	-2.97
2205	CECERT-LA	39.18	28.47	-2.97
2206	CECERT-LA	40.19	28.48	-2.97
2207	CECERT-LA	40.32	28.50	-2.97
2208	CECERT-LA	40.00	28.51	-2.97
2209	CECERT-LA	39.33	28.52	-2.97
2210	CECERT-LA	38.43	28.53	-2.97
2211	CECERT-LA	37.36	28.54	-2.97
2212	CECERT-LA	36.28	28.55	-2.97
2213	CECERT-LA	35.82	28.56	-2.25
2214	CECERT-LA	35.94	28.57	-2.25
2215	CECERT-LA	37.05	28.58	-2.25
2216	CECERT-LA	38.14	28.59	-2.25
2217	CECERT-LA	38.73	28.60	-2.25
2218	CECERT-LA	39.93	28.61	-2.25
2219	CECERT-LA	41.22	28.62	-2.25
2220	CECERT-LA	42.22	28.63	-2.25
2221	CECERT-LA	42.31	28.65	-2.25
2222	CECERT-LA	42.55	28.66	-0.68
2223	CECERT-LA	43.51	28.67	-0.68
2224	CECERT-LA	44.02	28.68	-0.68
2225	CECERT-LA	43.25	28.69	-0.68
2226	CECERT-LA	42.34	28.70	-0.68
2227	CECERT-LA	41.94	28.72	-0.68
2228	CECERT-LA	42.43	28.73	-0.68
2229	CECERT-LA	43.01	28.74	-0.68
2230	CECERT-LA	43.83	28.75	1.92
2231	CECERT-LA	44.68	28.76	1.92
2232	CECERT-LA	45.32	28.78	1.92
2233	CECERT-LA	46.27	28.79	1.92
2234	CECERT-LA	47.05	28.80	1.92
2235	CECERT-LA	47.38	28.81	1.92
2236	CECERT-LA	46.51	28.83	1.92
2237	CECERT-LA	45.47	28.84	1.92
2238	CECERT-LA	44.67	28.85	0.94
2239	CECERT-LA	43.69	28.86	0.94
2240	CECERT-LA	42.29	28.88	0.94
2241	CECERT-LA	40.72	28.89	0.94
2242	CECERT-LA	39.62	28.90	0.94
2243	CECERT-LA	38.75	28.91	0.94
2244	CECERT-LA	38.28	28.92	0.94
2245	CECERT-LA	39.06	28.93	0.94
2246	CECERT-LA	40.01	28.94	0.94
2247	CECERT-LA	41.19	28.95	-2.00
2248	CECERT-LA	42.17	28.96	-2.00
2249	CECERT-LA	41.75	28.98	-2.00
2250	CECERT-LA	41.85	28.99	-2.00
2251	CECERT-LA	42.91	29.00	-2.00
2252	CECERT-LA	44.37	29.01	-2.00
2253	CECERT-LA	45.52	29.02	-2.00
2254	CECERT-LA	46.32	29.04	-2.00
2255	CECERT-LA	46.13	29.05	-2.00
2256	CECERT-LA	46.65	29.06	-1.90
2257	CECERT-LA	48.28	29.07	-2.90
2258	CECERT-LA	49.45	29.09	-2.90
2259	CECERT-LA	50.48	29.10	-2.90
2260	CECERT-LA	51.33	29.12	-2.90
2261	CECERT-LA	51.40	29.13	-2.90
2262	CECERT-LA	50.94	29.14	-2.90

Page 31 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
2341	CECERT-LA	68.60	30.45	-1.10
2342	CECERT-LA	67.89	30.47	-1.89
2343	CECERT-LA	67.84	30.49	-1.89
2344	CECERT-LA	68.34	30.51	-1.89
2345	CECERT-LA	68.88	30.52	-1.89
2346	CECERT-LA	69.19	30.54	-1.89
2347	CECERT-LA	69.70	30.56	-1.05
2348	CECERT-LA	70.15	30.58	-1.05
2349	CECERT-LA	70.49	30.60	-1.05
2350	CECERT-LA	70.11	30.62	-1.05
2351	CECERT-LA	70.11	30.64	-1.05
2352	CECERT-LA	70.50	30.66	-1.96
2353	CECERT-LA	69.92	30.68	-1.96
2354	CECERT-LA	69.46	30.70	-1.96
2355	CECERT-LA	69.43	30.72	-1.96
2356	CECERT-LA	69.65	30.74	-1.96
2357	CECERT-LA	70.23	30.75	-1.18
2358	CECERT-LA	70.74	30.77	-1.18
2359	CECERT-LA	71.29	30.79	-1.18
2360	CECERT-LA	71.93	30.81	-1.18
2361	CECERT-LA	72.48	30.83	-1.18
2362	CECERT-LA	72.82	30.85	-0.63
2363	CECERT-LA	72.87	30.87	-0.63
2364	CECERT-LA	73.14	30.89	-0.63
2365	CECERT-LA	73.04	30.91	-0.63
2366	CECERT-LA	72.74	30.93	-0.63
2367	CECERT-LA	72.34	30.95	-0.17
2368	CECERT-LA	72.41	30.97	-0.17
2369	CECERT-LA	72.60	30.99	-0.17
2370	CECERT-LA	72.93	31.01	-0.17
2371	CECERT-LA	72.75	31.03	-0.17
2372	CECERT-LA	71.92	31.05	-0.37
2373	CECERT-LA	71.78	31.07	-0.37
2374	CECERT-LA	71.84	31.09	-0.37
2375	CECERT-LA	71.99	31.11	-0.37
2376	CECERT-LA	72.19	31.13	-0.37
2377	CECERT-LA	72.44	31.15	0.13
2378	CECERT-LA	72.81	31.17	0.13
2379	CECERT-LA	73.15	31.19	0.13
2380	CECERT-LA	73.53	31.21	0.13
2381	CECERT-LA	72.64	31.23	0.13
2382	CECERT-LA	71.50	31.25	-0.94
2383	CECERT-LA	70.35	31.27	-0.94
2384	CECERT-LA	68.87	31.29	-0.94
2385	CECERT-LA	67.20	31.31	-0.94
2386	CECERT-LA	66.29	31.33	-0.94
2387	CECERT-LA	65.88	31.35	-0.94
2388	CECERT-LA	65.66	31.36	-0.89
2389	CECERT-LA	65.63	31.38	-0.89
2390	CECERT-LA	64.96	31.40	-0.89
2391	CECERT-LA	65.45	31.42	-0.89
2392	CECERT-LA	66.10	31.44	-0.89
2393	CECERT-LA	66.83	31.45	-2.54
2394	CECERT-LA	67.53	31.47	-2.54
2395	CECERT-LA	67.71	31.49	-2.54
2396	CECERT-LA	67.11	31.51	-2.54
2397	CECERT-LA	66.55	31.53	-2.54
2398	CECERT-LA	66.02	31.55	-2.54
2399	CECERT-LA	65.46	31.56	-0.28
2400	CECERT-LA	65.56	31.58	-0.28
2401	CECERT-LA	66.04	31.60	-0.28
2402	CECERT-LA	66.89	31.62	-0.28
2403	CECERT-LA	64.96	31.64	-0.28
2404	CECERT-LA	64.31	31.65	-0.24
2405	CECERT-LA	64.33	31.67	-0.24
2406	CECERT-LA	64.39	31.69	-0.24
2407	CECERT-LA	64.38	31.71	-0.24
2408	CECERT-LA	64.43	31.72	-0.24
2409	CECERT-LA	64.47	31.74	-0.24
2410	CECERT-LA	64.34	31.76	0.12
2411	CECERT-LA	64.13	31.78	0.12
2412	CECERT-LA	63.74	31.80	0.12
2413	CECERT-LA	63.37	31.81	0.12
2414	CECERT-LA	62.56	31.83	0.12
2415	CECERT-LA	62.23	31.85	0.12
2416	CECERT-LA	61.76	31.86	-0.38
2417	CECERT-LA	60.85	31.88	-0.38
2418	CECERT-LA	60.07	31.90	-0.38

Page 30 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
2263	CECERT-LA	50.01	29.16	-3.11
2264	CECERT-LA	48.91	29.17	-3.11
2265	CECERT-LA	48.45	29.19	-3.11
2266	CECERT-LA	48.46	29.20	-3.11
2267	CECERT-LA	49.26	29.21	-3.11
2268	CECERT-LA	50.37	29.23	-3.11
2269	CECERT-LA	51.23	29.24	-3.11
2270	CECERT-LA	51.84	29.25	-1.92
2271	CECERT-LA	52.28	29.27	-1.92
2272	CECERT-LA	52.80	29.28	-1.92
2273	CECERT-LA	53.73	29.30	-1.92
2274	CECERT-LA	54.61	29.31	-1.92
2275	CECERT-LA	54.44	29.33	-1.92
2276	CECERT-LA	54.18	29.34	-1.92
2277	CECERT-LA	53.75	29.36	-0.81
2278	CECERT-LA	54.05	29.37	-0.81
2279	CECERT-LA	54.43	29.39	-0.81
2280	CECERT-LA	54.95	29.40	-0.81
2281	CECERT-LA	55.24	29.42	-0.81
2282	CECERT-LA	55.67	29.43	-0.81
2283	CECERT-LA	56.12	29.45	-0.81
2284	CECERT-LA	56.74	29.46	-0.90
2285	CECERT-LA	56.85	29.48	-0.90
2286	CECERT-LA	56.36	29.50	-0.90
2287	CECERT-LA	56.82	29.51	-0.90
2288	CECERT-LA	57.13	29.53	-0.90
2289	CECERT-LA	56.77	29.54	-0.90
2290	CECERT-LA	56.24	29.56	-0.95
2291	CECERT-LA	56.73	29.57	-0.95
2292	CECERT-LA	57.56	29.59	-0.95
2293	CECERT-LA	58.42	29.61	-0.95
2294	CECERT-LA	58.98	29.62	-0.95
2295	CECERT-LA	59.45	29.64	-0.95
2296	CECERT-LA	60.06	29.65	-0.99
2297	CECERT-LA	60.42	29.67	-0.99
2298	CECERT-LA	59.79	29.69	-0.99
2299	CECERT-LA	59.63	29.70	-0.99
2300	CECERT-LA	60.34	29.72	-0.99
2301	CECERT-LA	60.04	29.74	-0.99
2302	CECERT-LA	59.46	29.75	-1.32
2303	CECERT-LA	59.22	29.77	-1.32
2304	CECERT-LA	59.87	29.79	-1.32
2305	CECERT-LA	61.12	29.80	-1.32
2306	CECERT-LA	62.33	29.82	-1.32
2307	CECERT-LA	63.15	29.84	-1.32
2308	CECERT-LA	64.09	29.85	-1.46
2309	CECERT-LA	64.85	29.87	-1.46
2310	CECERT-LA	65.71	29.89	-1.46
2311	CECERT-LA	66.20	29.91	-1.46
2312	CECERT-LA	66.08	29.93	-1.46
2313	CECERT-LA	65.61	29.94	-1.46
2314	CECERT-LA	65.95	29.96	-1.45
2315	CECERT-LA	65.29	29.98	-1.45
2316	CECERT-LA	64.74	30.00	-1.45
2317	CECERT-LA	64.26	30.02	-1.45
2318	CECERT-LA	63.45	30.03	-1.45
2319	CECERT-LA	62.18	30.05	-0.91
2320	CECERT-LA	60.86	30.07	-0.91
2321	CECERT-LA	60.65	30.08	-0.91
2322	CECERT-LA	61.49	30.10	-0.91
2323	CECERT-LA	62.53	30.12	-0.91
2324	CECERT-LA	63.66	30.14	-0.91
2325	CECERT-LA	64.56	30.15	-1.27
2326	CECERT-LA	64.82	30.17	-1.27
2327	CECERT-LA	64.68	30.19	-1.27
2328	CECERT-LA	65.16	30.21	-1.27
2329	CECERT-LA	65.76	30.23	-1.27
2330	CECERT-LA	66.34	30.24	-1.27
2331	CECERT-LA	66.95	30.26	-1.15
2332	CECERT-LA	67.24	30.28	-1.15
2333	CECERT-LA	66.89	30.30	-1.15
2334	CECERT-LA	67.02	30.32	-1.15
2335	CECERT-LA	67.54	30.34	-1.15
2336	CECERT-LA	67.98	30.35	-1.10
2337	CECERT-LA	68.43	30.37	-1.10
2338	CECERT-LA	68.86	30.39	-1.10
2339	CECERT-LA	69.18	30.41	-1.10
2340	CECERT-LA	69.24	30.43	-1.10

Page 33 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
2487	CECERT-LA	68.93	33.36	-0.50
2488	CECERT-LA	69.06	33.38	-0.50
2499	CECERT-LA	69.06	33.40	-0.50
2500	CECERT-LA	68.19	33.42	-0.50
2501	CECERT-LA	67.31	33.44	-0.50
2502	CECERT-LA	66.55	33.45	-0.43
2503	CECERT-LA	66.04	33.47	-0.43
2504	CECERT-LA	66.02	33.49	-0.43
2505	CECERT-LA	66.08	33.51	-0.43
2506	CECERT-LA	66.41	33.53	-0.43
2507	CECERT-LA	65.92	33.54	-0.43
2508	CECERT-LA	65.01	33.56	-0.56
2509	CECERT-LA	64.17	33.58	-0.56
2510	CECERT-LA	63.66	33.60	-0.56
2511	CECERT-LA	63.93	33.62	-0.56
2512	CECERT-LA	64.15	33.63	-0.56
2513	CECERT-LA	64.40	33.65	-1.16
2514	CECERT-LA	64.58	33.67	-1.16
2515	CECERT-LA	64.81	33.69	-1.16
2516	CECERT-LA	64.36	33.70	-1.16
2517	CECERT-LA	63.77	33.72	-1.16
2518	CECERT-LA	63.13	33.74	-1.16
2519	CECERT-LA	62.56	33.76	-1.28
2520	CECERT-LA	61.95	33.77	-1.28
2521	CECERT-LA	61.46	33.79	-1.28
2522	CECERT-LA	60.70	33.81	-1.28
2523	CECERT-LA	60.22	33.82	-1.28
2524	CECERT-LA	60.02	33.84	-1.28
2525	CECERT-LA	59.77	33.86	-0.40
2526	CECERT-LA	59.24	33.87	-0.40
2527	CECERT-LA	59.60	33.89	-0.40
2528	CECERT-LA	60.16	33.91	-0.40
2529	CECERT-LA	60.81	33.92	-0.40
2530	CECERT-LA	61.14	33.94	-0.40
2531	CECERT-LA	61.23	33.96	0.26
2532	CECERT-LA	61.54	33.97	0.26
2533	CECERT-LA	61.67	33.99	0.26
2534	CECERT-LA	62.02	34.01	0.26
2535	CECERT-LA	62.26	34.02	0.26
2536	CECERT-LA	62.68	34.04	0.26
2537	CECERT-LA	62.92	34.06	-0.22
2538	CECERT-LA	63.34	34.08	-0.22
2539	CECERT-LA	63.82	34.09	-0.22
2540	CECERT-LA	64.26	34.11	-0.22
2541	CECERT-LA	64.54	34.13	-0.22
2542	CECERT-LA	64.83	34.15	-0.22
2543	CECERT-LA	65.15	34.16	-0.54
2544	CECERT-LA	65.15	34.18	-0.54
2545	CECERT-LA	65.80	34.20	-0.54
2546	CECERT-LA	66.14	34.22	-0.54
2547	CECERT-LA	66.40	34.24	-0.54
2548	CECERT-LA	66.56	34.26	-0.50
2549	CECERT-LA	66.83	34.27	-0.50
2550	CECERT-LA	67.07	34.29	-0.50
2551	CECERT-LA	67.36	34.31	-0.50
2552	CECERT-LA	67.73	34.33	-0.50
2553	CECERT-LA	68.01	34.35	-0.50
2554	CECERT-LA	68.23	34.37	-0.54
2555	CECERT-LA	68.53	34.39	-0.54
2556	CECERT-LA	68.73	34.40	-0.54
2557	CECERT-LA	68.77	34.42	-0.54
2558	CECERT-LA	68.23	34.44	-0.54
2559	CECERT-LA	67.33	34.46	-0.52
2560	CECERT-LA	67.14	34.48	-0.52
2561	CECERT-LA	67.42	34.50	-0.52
2562	CECERT-LA	67.62	34.52	-0.52
2563	CECERT-LA	67.97	34.53	-0.52
2564	CECERT-LA	67.84	34.55	0.33
2565	CECERT-LA	67.93	34.57	0.33
2566	CECERT-LA	68.06	34.59	0.33
2567	CECERT-LA	68.50	34.61	0.33
2568	CECERT-LA	68.79	34.63	0.33
2569	CECERT-LA	68.78	34.65	0.33
2570	CECERT-LA	68.78	34.67	1.95
2571	CECERT-LA	68.54	34.69	1.95
2572	CECERT-LA	68.28	34.70	1.95
2573	CECERT-LA	68.26	34.72	1.95
2574	CECERT-LA	68.08	34.74	1.95

Page 35 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
2653	CECERT-LA	69.58	36.22	-0.95
2654	CECERT-LA	70.11	36.24	-0.95
2655	CECERT-LA	70.71	36.26	-0.75
2656	CECERT-LA	71.36	36.28	-0.75
2657	CECERT-LA	71.74	36.30	-0.75
2658	CECERT-LA	72.00	36.32	-0.75
2659	CECERT-LA	72.41	36.34	-0.75
2660	CECERT-LA	72.71	36.36	-0.19
2661	CECERT-LA	72.85	36.38	-0.19
2662	CECERT-LA	73.17	36.40	-0.19
2663	CECERT-LA	73.31	36.42	-0.19
2664	CECERT-LA	73.40	36.44	-0.19
2665	CECERT-LA	73.34	36.46	-0.21
2666	CECERT-LA	73.45	36.48	-0.21
2667	CECERT-LA	73.69	36.50	-0.21
2668	CECERT-LA	73.77	36.52	-0.21
2669	CECERT-LA	74.02	36.54	-0.21
2670	CECERT-LA	74.20	36.56	-0.25
2671	CECERT-LA	74.32	36.58	-0.25
2672	CECERT-LA	74.36	36.60	-0.25
2673	CECERT-LA	74.24	36.62	-0.25
2674	CECERT-LA	74.27	36.64	-0.25
2675	CECERT-LA	74.34	36.66	-0.30
2676	CECERT-LA	74.30	36.68	-0.30
2677	CECERT-LA	74.30	36.70	-0.30
2678	CECERT-LA	74.16	36.72	-0.30
2679	CECERT-LA	74.08	36.74	-0.30
2680	CECERT-LA	73.94	36.77	-0.21
2681	CECERT-LA	73.68	36.79	-0.21
2682	CECERT-LA	72.82	36.81	-0.21
2683	CECERT-LA	72.11	36.83	-0.21
2684	CECERT-LA	72.29	36.85	-0.21
2685	CECERT-LA	72.56	36.87	-0.21
2686	CECERT-LA	72.85	36.89	-0.21
2687	CECERT-LA	73.04	36.91	-0.21
2688	CECERT-LA	73.26	36.93	-0.21
2689	CECERT-LA	73.60	36.95	-0.21
2690	CECERT-LA	73.84	36.97	-0.25
2691	CECERT-LA	74.08	36.99	-0.25
2692	CECERT-LA	74.23	37.01	-0.25
2693	CECERT-LA	74.36	37.03	-0.25
2694	CECERT-LA	74.54	37.05	-0.25
2695	CECERT-LA	74.64	37.07	-0.22
2696	CECERT-LA	74.87	37.09	-0.22
2697	CECERT-LA	75.14	37.11	-0.22
2698	CECERT-LA	75.35	37.13	-0.22
2699	CECERT-LA	75.54	37.15	-0.42
2700	CECERT-LA	75.80	37.17	-0.42
2701	CECERT-LA	75.98	37.19	-0.42
2702	CECERT-LA	75.78	37.21	-0.42
2703	CECERT-LA	74.81	37.23	-0.42
2704	CECERT-LA	74.49	37.25	-0.84
2705	CECERT-LA	74.55	37.27	-0.84
2706	CECERT-LA	74.65	37.30	-0.84
2707	CECERT-LA	74.70	37.32	-0.84
2708	CECERT-LA	74.62	37.34	-0.84
2709	CECERT-LA	74.55	37.36	-0.75
2710	CECERT-LA	74.55	37.38	-0.75
2711	CECERT-LA	74.60	37.40	-0.75
2712	CECERT-LA	74.66	37.42	-0.75
2713	CECERT-LA	74.70	37.44	-0.75
2714	CECERT-LA	74.75	37.46	-0.80
2715	CECERT-LA	74.88	37.48	-0.80
2716	CECERT-LA	74.34	37.50	-0.80
2717	CECERT-LA	73.41	37.52	-0.80
2718	CECERT-LA	72.62	37.54	-0.80
2719	CECERT-LA	72.61	37.56	-0.94
2720	CECERT-LA	72.65	37.58	-0.94
2721	CECERT-LA	72.65	37.60	-0.94
2722	CECERT-LA	72.52	37.62	-0.94
2723	CECERT-LA	72.32	37.64	-0.94
2724	CECERT-LA	72.46	37.66	-1.18
2725	CECERT-LA	72.67	37.68	-1.18
2726	CECERT-LA	72.67	37.70	-1.18
2727	CECERT-LA	72.61	37.72	-1.18
2728	CECERT-LA	72.59	37.74	-1.18
2729	CECERT-LA	72.61	37.76	-0.64
2730	CECERT-LA	72.52	37.78	-0.64

Page 34 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
2575	CECERT-LA	68.01	34.76	-1.12
2576	CECERT-LA	67.86	34.78	-1.12
2577	CECERT-LA	67.84	34.80	-1.12
2578	CECERT-LA	67.62	34.82	-1.12
2579	CECERT-LA	68.04	34.83	-1.12
2580	CECERT-LA	68.13	34.85	1.99
2581	CECERT-LA	68.12	34.87	1.99
2582	CECERT-LA	68.62	34.89	1.99
2583	CECERT-LA	68.89	34.91	1.99
2584	CECERT-LA	69.17	34.93	1.99
2585	CECERT-LA	69.45	34.95	1.99
2586	CECERT-LA	69.67	34.97	-0.29
2587	CECERT-LA	69.89	34.99	-0.29
2588	CECERT-LA	70.22	35.01	-0.29
2589	CECERT-LA	70.58	35.03	-0.29
2590	CECERT-LA	70.99	35.04	-0.29
2591	CECERT-LA	71.15	35.06	-0.17
2592	CECERT-LA	71.28	35.08	-0.17
2593	CECERT-LA	71.49	35.10	-0.17
2594	CECERT-LA	71.68	35.12	-0.17
2595	CECERT-LA	71.87	35.14	-0.17
2596	CECERT-LA	72.20	35.16	-0.63
2597	CECERT-LA	72.44	35.18	-0.63
2598	CECERT-LA	72.64	35.20	-0.63
2599	CECERT-LA	72.95	35.22	-0.63
2600	CECERT-LA	72.83	35.24	-0.63
2601	CECERT-LA	71.89	35.26	-1.90
2602	CECERT-LA	72.02	35.28	-1.90
2603	CECERT-LA	71.54	35.30	-1.90
2604	CECERT-LA	70.86	35.32	-1.90
2605	CECERT-LA	70.20	35.34	-1.90
2606	CECERT-LA	69.75	35.36	-1.80
2607	CECERT-LA	69.26	35.38	-1.80
2608	CECERT-LA	68.84	35.40	-1.80
2609	CECERT-LA	68.02	35.42	-1.80
2610	CECERT-LA	66.59	35.44	-1.80
2611	CECERT-LA	64.70	35.45	-0.40
2612	CECERT-LA	62.16	35.47	-0.40
2613	CECERT-LA	62.46	35.49	-0.40
2614	CECERT-LA	62.26	35.50	-0.40
2615	CECERT-LA	62.86	35.52	-0.40
2616	CECERT-LA	63.56	35.54	-0.40
2617	CECERT-LA	64.09	35.56	-0.40
2618	CECERT-LA	64.73	35.57	-0.40
2619	CECERT-LA	65.12	35.59	-0.40
2620	CECERT-LA	65.76	35.61	-0.40
2621	CECERT-LA	66.07	35.63	-0.40
2622	CECERT-LA	66.26	35.65	-0.40
2623	CECERT-LA	66.60	35.67	-0.06
2624	CECERT-LA	66.79	35.68	-0.06
2625	CECERT-LA	66.01	35.70	-0.06
2626	CECERT-LA	65.22	35.72	-0.06
2627	CECERT-LA	65.56	35.74	-0.06
2628	CECERT-LA	66.06	35.76	-0.27
2629	CECERT-LA	66.61	35.77	-0.27
2630	CECERT-LA	67.09	35.79	-0.27
2631	CECERT-LA	67.16	35.81	-0.27
2632	CECERT-LA	66.35	35.83	-0.27
2633	CECERT-LA	66.56	35.85	-0.27
2634	CECERT-LA	66.84	35.87	-0.22
2635	CECERT-LA	66.84	35.88	-0.22
2636	CECERT-LA	66.90	35.90	-0.22
2637	CECERT-LA	66.92	35.92	-0.22
2638	CECERT-LA	66.15	35.94	-0.22
2639	CECERT-LA	65.48	35.96	-0.33
2640	CECERT-LA	65.76	35.98	-0.33
2641	CECERT-LA	66.22	35.99	-0.33
2642	CECERT-LA	66.66	36.01	-0.33
2643	CECERT-LA	67.09	36.03	-0.33
2644	CECERT-LA	67.69	36.05	-0.33
2645	CECERT-LA	68.08	36.07	-0.68
2646	CECERT-LA	68.68	36.09	-0.68
2647	CECERT-LA	69.18	36.11	-0.68
2648	CECERT-LA	69.65	36.12	-0.68
2649	CECERT-LA	70.24	36.14	-0.68
2650	CECERT-LA	70.59	36.16	-0.99
2651	CECERT-LA	70.24	36.18	-0.99
2652	CECERT-LA	69.45	36.20	-0.99

Page 37 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
2809	CECERY-LA	67.22	39.28	0.18
2810	CECERY-LA	66.75	39.30	0.18
2811	CECERY-LA	65.85	39.32	0.18
2812	CECERY-LA	65.18	39.33	0.18
2813	CECERY-LA	65.49	39.35	0.05
2814	CECERY-LA	65.87	39.37	0.05
2815	CECERY-LA	66.28	39.39	0.05
2816	CECERY-LA	66.55	39.41	0.05
2817	CECERY-LA	66.84	39.42	0.05
2818	CECERY-LA	67.19	39.44	0.05
2819	CECERY-LA	67.36	39.46	0.08
2820	CECERY-LA	67.53	39.48	0.08
2821	CECERY-LA	66.60	39.50	0.08
2822	CECERY-LA	66.17	39.52	0.08
2823	CECERY-LA	66.46	39.53	0.08
2824	CECERY-LA	66.29	39.55	0.26
2825	CECERY-LA	65.34	39.57	0.26
2826	CECERY-LA	64.37	39.59	0.26
2827	CECERY-LA	63.44	39.61	0.26
2828	CECERY-LA	62.80	39.62	0.26
2829	CECERY-LA	62.82	39.64	0.26
2830	CECERY-LA	62.11	39.66	0.39
2831	CECERY-LA	61.53	39.67	0.39
2832	CECERY-LA	61.19	39.69	0.39
2833	CECERY-LA	61.46	39.71	0.39
2834	CECERY-LA	61.17	39.73	0.39
2835	CECERY-LA	60.80	39.74	0.39
2836	CECERY-LA	60.47	39.76	0.80
2837	CECERY-LA	60.03	39.78	0.80
2838	CECERY-LA	60.03	39.79	0.80
2839	CECERY-LA	60.19	39.81	0.80
2840	CECERY-LA	60.65	39.82	0.80
2841	CECERY-LA	61.33	39.84	0.80
2842	CECERY-LA	61.73	39.86	2.05
2843	CECERY-LA	62.17	39.88	2.05
2844	CECERY-LA	62.15	39.89	2.05
2845	CECERY-LA	62.00	39.91	2.05
2846	CECERY-LA	62.22	39.93	2.05
2847	CECERY-LA	62.33	39.94	2.05
2848	CECERY-LA	62.71	39.96	-2.89
2849	CECERY-LA	63.05	39.98	-2.89
2850	CECERY-LA	63.66	40.00	-2.89
2851	CECERY-LA	64.32	40.01	-2.89
2852	CECERY-LA	64.64	40.03	-2.89
2853	CECERY-LA	63.86	40.05	-2.89
2854	CECERY-LA	63.95	40.07	2.53
2855	CECERY-LA	64.59	40.08	2.53
2856	CECERY-LA	65.48	40.10	2.53
2857	CECERY-LA	66.30	40.12	2.53
2858	CECERY-LA	67.38	40.14	2.53
2859	CECERY-LA	68.33	40.16	-1.40
2860	CECERY-LA	69.32	40.18	-1.40
2861	CECERY-LA	70.17	40.20	-1.40
2862	CECERY-LA	70.93	40.22	-1.40
2863	CECERY-LA	71.64	40.24	-1.40
2864	CECERY-LA	72.06	40.26	1.47
2865	CECERY-LA	72.45	40.28	1.47
2866	CECERY-LA	72.66	40.30	1.47
2867	CECERY-LA	72.72	40.32	1.47
2868	CECERY-LA	72.51	40.34	1.47
2869	CECERY-LA	71.34	40.35	1.53
2870	CECERY-LA	70.04	40.37	1.53
2871	CECERY-LA	68.82	40.39	1.53
2872	CECERY-LA	67.66	40.41	1.53
2873	CECERY-LA	66.48	40.43	1.53
2874	CECERY-LA	65.32	40.45	1.53
2875	CECERY-LA	64.25	40.47	0.40
2876	CECERY-LA	63.46	40.48	0.40
2877	CECERY-LA	63.65	40.50	0.40
2878	CECERY-LA	64.12	40.52	0.40
2879	CECERY-LA	64.57	40.54	0.40
2880	CECERY-LA	64.85	40.55	-0.93
2881	CECERY-LA	64.10	40.57	-0.93
2882	CECERY-LA	63.32	40.59	-0.93
2883	CECERY-LA	62.74	40.61	-0.93
2884	CECERY-LA	62.23	40.62	-0.93
2885	CECERY-LA	61.87	40.64	-0.93
2886	CECERY-LA	62.02	40.66	-1.32

Page 39 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
2965	CECERY-LA	20.32	41.90	2.33
2966	CECERY-LA	18.89	41.91	2.33
2967	CECERY-LA	17.23	41.91	2.33
2968	CECERY-LA	15.30	41.91	2.33
2969	CECERY-LA	13.03	41.92	2.33
2970	CECERY-LA	10.35	41.92	2.33
2971	CECERY-LA	6.67	41.92	2.33
2972	CECERY-LA	3.30	41.92	2.33
2973	CECERY-LA	0.72	41.92	2.33
2974	CECERY-LA	0.15	41.92	2.33
2975	CECERY-LA	1.15	41.92	2.33
2976	CECERY-LA	2.52	41.92	2.33
2977	CECERY-LA	3.85	41.93	2.33
2978	CECERY-LA	4.71	41.93	2.33
2979	CECERY-LA	6.11	41.93	2.33
2980	CECERY-LA	7.60	41.93	2.33
2981	CECERY-LA	9.82	41.93	2.33
2982	CECERY-LA	10.94	41.94	2.33
2983	CECERY-LA	11.74	41.94	2.33
2984	CECERY-LA	13.06	41.94	2.33
2985	CECERY-LA	14.80	41.95	2.33
2986	CECERY-LA	16.48	41.95	1.92
2987	CECERY-LA	18.34	41.96	1.92
2988	CECERY-LA	20.37	41.96	1.92
2989	CECERY-LA	22.35	41.97	1.92
2990	CECERY-LA	24.23	41.98	1.92
2991	CECERY-LA	26.48	41.98	1.92
2992	CECERY-LA	28.75	41.99	1.92
2993	CECERY-LA	30.21	42.00	1.92
2994	CECERY-LA	31.41	42.01	1.92
2995	CECERY-LA	32.63	42.02	1.92
2996	CECERY-LA	33.99	42.03	1.92
2997	CECERY-LA	35.71	42.04	1.92
2998	CECERY-LA	37.59	42.05	1.92
2999	CECERY-LA	39.32	42.06	-4.22
3000	CECERY-LA	40.56	42.07	-4.22
3001	CECERY-LA	42.01	42.08	-4.22
3002	CECERY-LA	43.46	42.09	-4.22
3003	CECERY-LA	44.45	42.10	-4.22
3004	CECERY-LA	45.12	42.12	-4.22
3005	CECERY-LA	45.17	42.13	-4.22
3006	CECERY-LA	44.74	42.14	-4.22
3007	CECERY-LA	44.41	42.15	1.38
3008	CECERY-LA	45.42	42.17	1.38
3009	CECERY-LA	46.81	42.18	1.38
3010	CECERY-LA	47.97	42.19	1.38
3011	CECERY-LA	49.00	42.21	1.38
3012	CECERY-LA	49.15	42.22	1.38
3013	CECERY-LA	48.86	42.23	1.38
3014	CECERY-LA	48.58	42.25	1.38
3015	CECERY-LA	48.63	42.26	-1.36
3016	CECERY-LA	49.42	42.27	-1.36
3017	CECERY-LA	50.22	42.29	-1.36
3018	CECERY-LA	50.94	42.30	-1.36
3019	CECERY-LA	51.04	42.31	-1.36
3020	CECERY-LA	50.98	42.33	-1.36
3021	CECERY-LA	51.65	42.34	-1.36
3022	CECERY-LA	52.47	42.36	0.57
3023	CECERY-LA	53.49	42.37	0.57
3024	CECERY-LA	54.55	42.39	0.57
3025	CECERY-LA	55.64	42.40	0.57
3026	CECERY-LA	56.91	42.42	0.57
3027	CECERY-LA	56.86	42.43	0.57
3028	CECERY-LA	56.24	42.45	0.57
3029	CECERY-LA	56.26	42.46	1.74
3030	CECERY-LA	56.91	42.48	-1.74
3031	CECERY-LA	57.58	42.50	-1.74
3032	CECERY-LA	58.36	42.51	-1.74
3033	CECERY-LA	59.21	42.53	-1.74
3034	CECERY-LA	59.96	42.54	-1.74
3035	CECERY-LA	60.68	42.56	-1.17
3036	CECERY-LA	60.29	42.58	-1.17
3037	CECERY-LA	59.52	42.59	-1.17
3038	CECERY-LA	59.81	42.61	-1.17
3039	CECERY-LA	60.58	42.63	-1.17
3040	CECERY-LA	61.14	42.64	-1.17
3041	CECERY-LA	60.81	42.66	1.48
3042	CECERY-LA	60.07	42.68	1.48

Page 38 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
2887	CECERY-LA	62.76	40.67	-1.32
2888	CECERY-LA	63.48	40.69	-1.32
2889	CECERY-LA	64.27	40.71	-1.32
2890	CECERY-LA	65.04	40.73	-1.32
2891	CECERY-LA	65.67	40.75	-1.32
2892	CECERY-LA	65.45	40.76	-1.80
2893	CECERY-LA	65.79	40.78	-1.80
2894	CECERY-LA	66.47	40.80	-1.80
2895	CECERY-LA	67.30	40.82	-1.80
2896	CECERY-LA	68.07	40.84	-1.80
2897	CECERY-LA	68.85	40.86	-0.75
2898	CECERY-LA	69.50	40.88	-0.75
2899	CECERY-LA	69.91	40.89	-0.75
2900	CECERY-LA	70.28	40.91	-0.75
2901	CECERY-LA	70.19	40.93	-0.75
2902	CECERY-LA	69.40	40.95	-1.20
2903	CECERY-LA	68.67	40.97	-1.20
2904	CECERY-LA	67.57	40.99	-1.20
2905	CECERY-LA	66.21	41.01	-1.20
2906	CECERY-LA	64.94	41.03	-1.20
2907	CECERY-LA	64.52	41.04	-1.20
2908	CECERY-LA	65.35	41.06	-1.33
2909	CECERY-LA	66.32	41.08	-1.33
2910	CECERY-LA	67.13	41.10	-1.33
2911	CECERY-LA	67.98	41.12	-1.33
2912	CECERY-LA	68.49	41.14	-1.33
2913	CECERY-LA	68.80	41.15	-1.78
2914	CECERY-LA	67.66	41.17	-1.78
2915	CECERY-LA	67.78	41.19	-1.78
2916	CECERY-LA	68.08	41.21	-1.78
2917	CECERY-LA	67.44	41.23	-1.78
2918	CECERY-LA	66.96	41.25	-1.78
2919	CECERY-LA	66.46	41.27	-2.46
2920	CECERY-LA	65.90	41.28	-2.46
2921	CECERY-LA	65.36	41.30	-2.46
2922	CECERY-LA	64.96	41.32	-2.46
2923	CECERY-LA	64.36	41.34	-2.46
2924	CECERY-LA	63.82	41.35	-2.98
2925	CECERY-LA	64.22	41.37	-2.98
2926	CECERY-LA	64.97	41.39	-2.98
2927	CECERY-LA	65.27	41.41	-2.98
2928	CECERY-LA	64.95	41.43	-2.98
2929	CECERY-LA	64.68	41.44	-2.98
2930	CECERY-LA	64.50	41.46	-2.80
2931	CECERY-LA	64.91	41.48	-2.80
2932	CECERY-LA	65.55	41.50	-2.80
2933	CECERY-LA	65.81	41.52	-2.80
2934	CECERY-LA	64.83	41.53	-2.80
2935	CECERY-LA	63.66	41.55	-2.80
2936	CECERY-LA	62.22	41.57	-2.80
2937	CECERY-LA	60.85	41.58	-2.80
2938	CECERY-LA	58.69	41.60	-2.80
2939	CECERY-LA	55.27	41.62	-2.80
2940	CECERY-LA	52.51	41.63	-2.80
2941	CECERY-LA	50.44	41.64	-2.80
2942	CECERY-LA	48.80	41.66	-2.53
2943	CECERY-LA	48.48	41.67	-2.53
2944	CECERY-LA	48.36	41.68	-2.53
2945	CECERY-LA	48.63	41.70	-2.53
2946	CECERY-LA	49.35	41.71	-2.53
2947	CECERY-LA	49.71	41.72	-2.53
2948	CECERY-LA	49.56	41.74	-2.53
2949	CECERY-LA	49.29	41.75	-0.09
2950	CECERY-LA	48.45	41.77	-0.09
2951	CECERY-LA	47.18	41.78	-0.09
2952	CECERY-LA	45.65	41.79	-0.09
2953	CECERY-LA	44.03	41.80	-0.09
2954	CECERY-LA	42.63	41.81	-0.09
2955	CECERY-LA	41.41	41.83	-0.09
2956	CECERY-LA	38.52	41.84	-0.09
2957	CECERY-LA	35.19	41.85	-0.09
2958	CECERY-LA	31.86	41.86	2.33
2959	CECERY-LA	28.61	41.86	2.33
2960	CECERY-LA	25.86	41.87	2.33
2961	CECERY-LA	23.50	41.88	2.33
2962	CECERY-LA	22.43	41.88	2.33
2963	CECERY-LA	21.75	41.89	2.33
2964	CECERY-LA	21.12	41.89	2.33

Page 41 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
3121	CECERY-LA	52.91	43.60	-0.43
3122	CECERY-LA	53.65	43.62	-0.43
3123	CECERY-LA	54.42	43.63	-0.43
3124	CECERY-LA	55.23	43.65	-0.43
3125	CECERY-LA	56.15	43.66	-0.13
3126	CECERY-LA	56.87	43.68	-0.13
3127	CECERY-LA	57.40	43.70	-0.13
3128	CECERY-LA	57.41	43.71	-0.13
3129	CECERY-LA	57.31	43.73	-0.13
3130	CECERY-LA	57.50	43.74	-0.13
3131	CECERY-LA	57.53	43.76	-0.25
3132	CECERY-LA	57.72	43.77	-0.25
3133	CECERY-LA	58.02	43.79	-0.25
3134	CECERY-LA	58.63	43.81	-0.25
3135	CECERY-LA	59.43	43.82	-0.25
3136	CECERY-LA	60.33	43.84	-0.25
3137	CECERY-LA	60.89	43.86	-0.41
3138	CECERY-LA	61.11	43.87	-0.41
3139	CECERY-LA	61.44	43.89	-0.41
3140	CECERY-LA	61.62	43.91	-0.41
3141	CECERY-LA	61.96	43.92	-0.41
3142	CECERY-LA	62.56	43.94	-0.41
3143	CECERY-LA	63.28	43.96	-0.56
3144	CECERY-LA	63.68	43.98	-0.56
3145	CECERY-LA	64.10	43.99	-0.56
3146	CECERY-LA	64.57	44.01	-0.56
3147	CECERY-LA	65.20	44.03	-0.56
3148	CECERY-LA	65.90	44.05	-0.56
3149	CECERY-LA	66.54	44.07	-0.37
3150	CECERY-LA	67.24	44.08	-0.37
3151	CECERY-LA	67.89	44.10	-0.37
3152	CECERY-LA	68.48	44.12	-0.37
3153	CECERY-LA	68.89	44.14	-0.37
3154	CECERY-LA	69.26	44.16	0.19
3155	CECERY-LA	69.52	44.18	0.19
3156	CECERY-LA	69.85	44.20	0.19
3157	CECERY-LA	70.23	44.22	0.19
3158	CECERY-LA	70.66	44.24	0.19
3159	CECERY-LA	71.03	44.26	0.02
3160	CECERY-LA	71.36	44.28	0.02
3161	CECERY-LA	71.81	44.30	0.02
3162	CECERY-LA	72.29	44.32	0.02
3163	CECERY-LA	72.87	44.34	0.02
3164	CECERY-LA	73.48	44.36	-0.25
3165	CECERY-LA	74.11	44.38	-0.25
3166	CECERY-LA	74.65	44.40	-0.25
3167	CECERY-LA	75.17	44.42	-0.25
3168	CECERY-LA	75.48	44.44	-0.25
3169	CECERY-LA	75.76	44.46	-0.10
3170	CECERY-LA	76.01	44.48	-0.10
3171	CECERY-LA	76.17	44.50	-0.10
3172	CECERY-LA	75.92	44.52	-0.10
3173	CECERY-LA	75.65	44.54	-0.10
3174	CECERY-LA	75.68	44.56	-0.33
3175	CECERY-LA	75.63	44.58	-0.33
3176	CECERY-LA	75.45	44.60	-0.33
3177	CECERY-LA	74.32	44.63	-0.33
3178	CECERY-LA	73.17	44.65	-0.33
3179	CECERY-LA	72.21	44.67	-0.40
3180	CECERY-LA	71.17	44.68	-0.40
3181	CECERY-LA	70.18	44.70	-0.40
3182	CECERY-LA	69.10	44.72	-0.40
3183	CECERY-LA	67.43	44.74	-0.40
3184	CECERY-LA	65.63	44.76	-0.36
3185	CECERY-LA	64.08	44.78	-0.36
3186	CECERY-LA	63.21	44.79	-0.36
3187	CECERY-LA	62.34	44.81	-0.36
3188	CECERY-LA	61.34	44.83	-0.36
3189	CECERY-LA	61.45	44.85	-0.36
3190	CECERY-LA	62.08	44.86	-0.31
3191	CECERY-LA	63.36	44.88	-0.31
3192	CECERY-LA	64.59	44.90	-0.31
3193	CECERY-LA	65.71	44.92	-0.31
3194	CECERY-LA	66.51	44.93	-0.31
3195	CECERY-LA	66.64	44.95	-0.31
3196	CECERY-LA	66.13	44.97	-0.31
3197	CECERY-LA	65.35	44.99	-0.31
3198	CECERY-LA	65.02	45.01	-0.31

Page 43 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
3277	CECERY-LA	60.95	46.34	2.98
3278	CECERY-LA	60.77	46.35	3.18
3279	CECERY-LA	60.45	46.37	3.18
3280	CECERY-LA	59.34	46.38	3.18
3281	CECERY-LA	58.28	46.40	3.18
3282	CECERY-LA	58.40	46.42	3.18
3283	CECERY-LA	58.75	46.43	3.18
3284	CECERY-LA	59.27	46.45	3.18
3285	CECERY-LA	59.92	46.47	2.80
3286	CECERY-LA	60.29	46.48	2.80
3287	CECERY-LA	60.65	46.50	2.80
3288	CECERY-LA	61.16	46.52	2.80
3289	CECERY-LA	61.13	46.53	2.80
3290	CECERY-LA	61.71	46.55	2.80
3291	CECERY-LA	62.18	46.57	3.05
3292	CECERY-LA	62.83	46.58	3.05
3293	CECERY-LA	62.94	46.60	3.05
3294	CECERY-LA	62.99	46.62	3.05
3295	CECERY-LA	63.04	46.64	3.05
3296	CECERY-LA	62.78	46.65	2.75
3297	CECERY-LA	62.62	46.67	2.75
3298	CECERY-LA	62.66	46.69	2.75
3299	CECERY-LA	62.18	46.70	2.75
3300	CECERY-LA	61.68	46.72	2.75
3301	CECERY-LA	59.99	46.74	2.75
3302	CECERY-LA	58.73	46.75	1.76
3303	CECERY-LA	58.48	46.77	1.76
3304	CECERY-LA	58.74	46.79	1.76
3305	CECERY-LA	58.87	46.80	1.76
3306	CECERY-LA	58.90	46.82	1.76
3307	CECERY-LA	58.86	46.84	1.76
3308	CECERY-LA	59.33	46.85	0.60
3309	CECERY-LA	60.04	46.87	0.60
3310	CECERY-LA	60.71	46.88	0.60
3311	CECERY-LA	61.30	46.90	0.60
3312	CECERY-LA	61.79	46.92	0.60
3313	CECERY-LA	62.72	46.94	0.60
3314	CECERY-LA	63.63	46.95	-0.60
3315	CECERY-LA	64.41	46.97	-0.60
3316	CECERY-LA	65.28	46.99	-0.60
3317	CECERY-LA	66.16	47.01	-0.60
3318	CECERY-LA	67.03	47.03	-0.60
3319	CECERY-LA	67.75	47.04	-0.60
3320	CECERY-LA	68.21	47.06	-1.51
3321	CECERY-LA	68.79	47.08	-1.51
3322	CECERY-LA	69.24	47.10	-1.51
3323	CECERY-LA	69.68	47.12	-1.51
3324	CECERY-LA	70.14	47.14	-1.51
3325	CECERY-LA	69.69	47.16	-2.39
3326	CECERY-LA	69.71	47.18	-2.39
3327	CECERY-LA	70.43	47.20	-2.39
3328	CECERY-LA	71.03	47.22	-2.39
3329	CECERY-LA	71.69	47.24	-2.39
3330	CECERY-LA	71.91	47.26	-2.22
3331	CECERY-LA	71.40	47.28	-2.22
3332	CECERY-LA	71.56	47.30	-2.22
3333	CECERY-LA	72.08	47.32	-2.22
3334	CECERY-LA	72.56	47.34	-2.22
3335	CECERY-LA	73.02	47.36	-2.21
3336	CECERY-LA	73.57	47.38	-2.21
3337	CECERY-LA	74.08	47.40	-2.21
3338	CECERY-LA	74.32	47.42	-2.21
3339	CECERY-LA	73.86	47.44	-2.21
3340	CECERY-LA	73.63	47.46	-1.65
3341	CECERY-LA	73.91	47.48	-1.65
3342	CECERY-LA	74.34	47.50	-1.65
3343	CECERY-LA	74.55	47.52	-1.65
3344	CECERY-LA	74.80	47.54	-1.65
3345	CECERY-LA	75.28	47.56	-2.04
3346	CECERY-LA	75.44	47.58	-2.04
3347	CECERY-LA	75.50	47.60	-2.04
3348	CECERY-LA	75.48	47.62	-2.04
3349	CECERY-LA	75.53	47.64	-2.04
3350	CECERY-LA	75.58	47.66	-0.14
3351	CECERY-LA	75.57	47.68	-0.14
3352	CECERY-LA	75.63	47.70	-0.14
3353	CECERY-LA	75.80	47.73	-0.14
3354	CECERY-LA	75.97	47.75	-0.14

Page 42 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
3199	CECERY-LA	65.23	45.02	-0.31
3200	CECERY-LA	65.09	45.04	-0.31
3201	CECERY-LA	64.20	45.06	-0.27
3202	CECERY-LA	63.41	45.08	-0.27
3203	CECERY-LA	63.44	45.09	-0.27
3204	CECERY-LA	63.40	45.11	-0.27
3205	CECERY-LA	62.63	45.13	-0.27
3206	CECERY-LA	61.72	45.15	-0.27
3207	CECERY-LA	61.18	45.16	0.62
3208	CECERY-LA	60.34	45.18	0.62
3209	CECERY-LA	59.85	45.20	0.62
3210	CECERY-LA	60.62	45.21	0.62
3211	CECERY-LA	61.50	45.23	0.62
3212	CECERY-LA	61.99	45.25	0.62
3213	CECERY-LA	62.66	45.26	-0.11
3214	CECERY-LA	62.52	45.28	-0.11
3215	CECERY-LA	61.60	45.30	-0.11
3216	CECERY-LA	60.53	45.31	-0.11
3217	CECERY-LA	60.19	45.33	-0.11
3218	CECERY-LA	59.94	45.35	-0.11
3219	CECERY-LA	58.11	45.36	3.65
3220	CECERY-LA	57.49	45.38	3.65
3221	CECERY-LA	57.47	45.40	3.65
3222	CECERY-LA	57.50	45.41	3.65
3223	CECERY-LA	57.67	45.43	3.65
3224	CECERY-LA	57.49	45.44	3.65
3225	CECERY-LA	57.10	45.46	3.14
3226	CECERY-LA	57.07	45.47	3.14
3227	CECERY-LA	57.26	45.49	3.14
3228	CECERY-LA	57.15	45.51	3.14
3229	CECERY-LA	57.04	45.52	3.14
3230	CECERY-LA	57.40	45.54	3.14
3231	CECERY-LA	57.58	45.55	2.76
3232	CECERY-LA	58.07	45.57	2.76
3233	CECERY-LA	58.59	45.59	2.76
3234	CECERY-LA	58.03	45.60	2.76
3235	CECERY-LA	59.56	45.62	2.76
3236	CECERY-LA	60.15	45.63	2.76
3237	CECERY-LA	60.83	45.65	1.48
3238	CECERY-LA	60.99	45.67	1.48
3239	CECERY-LA	61.44	45.68	1.48
3240	CECERY-LA	61.67	45.70	1.48
3241	CECERY-LA	61.32	45.72	1.48
3242	CECERY-LA	61.08	45.74	1.48
3243	CECERY-LA	59.91	45.75	0.23
3244	CECERY-LA	59.43	45.77	0.23
3245	CECERY-LA	59.73	45.78	0.23
3246	CECERY-LA	60.17	45.80	0.23
3247	CECERY-LA	60.66	45.82	0.23
3248	CECERY-LA	61.10	45.83	0.23
3249	CECERY-LA	61.69	45.85	0.62
3250	CECERY-LA	62.41	45.87	0.62
3251	CECERY-LA	63.21	45.89	0.62
3252	CECERY-LA	64.00	45.90	0.62
3253	CECERY-LA	64.78	45.92	0.62
3254	CECERY-LA	65.27	45.94	0.62
3255	CECERY-LA	65.45	45.96	0.22
3256	CECERY-LA	65.91	45.98	0.22
3257	CECERY-LA	66.20	45.99	0.22
3258	CECERY-LA	66.03	46.01	0.22
3259	CECERY-LA	65.06	46.03	0.22
3260	CECERY-LA	64.08	46.05	0.22
3261	CECERY-LA	63.71	46.06	2.32
3262	CECERY-LA	63.93	46.08	2.32
3263	CECERY-LA	63.74	46.10	2.32
3264	CECERY-LA	62.54	46.12	2.32
3265	CECERY-LA	61.31	46.13	2.32
3266	CECERY-LA	60.29	46.15	2.95
3267	CECERY-LA	60.52	46.17	2.95
3268	CECERY-LA	60.95	46.18	2

Page 45 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
3433	CECERY-LA	63.59	49.26	-0.50
3434	CECERY-LA	64.33	49.28	-0.50
3435	CECERY-LA	65.15	49.30	-0.50
3436	CECERY-LA	65.84	49.31	-0.50
3437	CECERY-LA	66.50	49.33	-0.50
3438	CECERY-LA	67.19	49.35	-1.85
3439	CECERY-LA	67.69	49.37	-1.85
3440	CECERY-LA	68.33	49.39	-1.85
3441	CECERY-LA	68.76	49.41	-1.85
3442	CECERY-LA	69.02	49.43	-1.85
3443	CECERY-LA	68.19	49.44	-1.85
3444	CECERY-LA	67.42	49.46	0.02
3445	CECERY-LA	66.68	49.48	0.02
3446	CECERY-LA	66.85	49.50	0.02
3447	CECERY-LA	67.59	49.52	0.02
3448	CECERY-LA	68.55	49.54	0.02
3449	CECERY-LA	69.14	49.56	0.24
3450	CECERY-LA	69.58	49.57	0.24
3451	CECERY-LA	70.04	49.59	0.24
3452	CECERY-LA	70.34	49.61	0.24
3453	CECERY-LA	70.42	49.63	0.24
3454	CECERY-LA	69.87	49.65	0.98
3455	CECERY-LA	69.09	49.67	0.98
3456	CECERY-LA	69.15	49.69	0.98
3457	CECERY-LA	69.28	49.71	0.98
3458	CECERY-LA	69.53	49.73	0.98
3459	CECERY-LA	69.87	49.75	0.98
3460	CECERY-LA	70.40	49.77	-0.46
3461	CECERY-LA	70.97	49.79	-0.46
3462	CECERY-LA	71.44	49.81	-0.46
3463	CECERY-LA	71.14	49.83	-0.46
3464	CECERY-LA	71.15	49.85	-0.46
3465	CECERY-LA	70.24	49.86	3.61
3466	CECERY-LA	70.13	49.88	3.61
3467	CECERY-LA	69.96	49.90	3.61
3468	CECERY-LA	69.90	49.92	3.61
3469	CECERY-LA	69.93	49.94	3.61
3470	CECERY-LA	69.99	49.96	1.94
3471	CECERY-LA	70.11	49.98	1.94
3472	CECERY-LA	70.13	50.00	1.94
3473	CECERY-LA	70.04	50.02	1.94
3474	CECERY-LA	70.09	50.04	1.94
3475	CECERY-LA	70.16	50.06	0.90
3476	CECERY-LA	69.95	50.08	0.90
3477	CECERY-LA	69.72	50.10	0.90
3478	CECERY-LA	68.84	50.11	0.90
3479	CECERY-LA	67.57	50.13	0.90
3480	CECERY-LA	66.17	50.15	0.01
3481	CECERY-LA	65.44	50.17	0.01
3482	CECERY-LA	65.50	50.19	0.01
3483	CECERY-LA	65.62	50.21	0.01
3484	CECERY-LA	65.93	50.22	0.01
3485	CECERY-LA	65.30	50.24	0.01
3486	CECERY-LA	64.61	50.26	-1.66
3487	CECERY-LA	65.05	50.28	-1.66
3488	CECERY-LA	65.45	50.29	-1.66
3489	CECERY-LA	66.05	50.31	-1.66
3490	CECERY-LA	66.16	50.33	-1.66
3491	CECERY-LA	65.68	50.35	-1.66
3492	CECERY-LA	65.16	50.37	-1.32
3493	CECERY-LA	64.50	50.39	-1.32
3494	CECERY-LA	63.97	50.40	-1.32
3495	CECERY-LA	63.45	50.42	-1.32
3496	CECERY-LA	63.32	50.44	-1.32
3497	CECERY-LA	64.07	50.46	-0.83
3498	CECERY-LA	65.05	50.47	-0.83
3499	CECERY-LA	66.11	50.49	-0.83
3500	CECERY-LA	67.07	50.51	-0.83
3501	CECERY-LA	68.18	50.53	-0.83
3502	CECERY-LA	69.03	50.55	-0.83
3503	CECERY-LA	69.59	50.57	1.31
3504	CECERY-LA	70.00	50.59	1.31
3505	CECERY-LA	70.19	50.60	1.31
3506	CECERY-LA	70.26	50.62	1.31
3507	CECERY-LA	70.01	50.64	1.31
3508	CECERY-LA	69.72	50.66	1.77
3509	CECERY-LA	69.41	50.68	1.77
3510	CECERY-LA	69.39	50.70	1.77

Page 47 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
3589	CECERY-LA	55.50	52.18	-0.18
3590	CECERY-LA	56.78	52.19	-0.18
3591	CECERY-LA	57.87	52.21	-0.18
3592	CECERY-LA	59.02	52.23	-0.18
3593	CECERY-LA	60.09	52.24	-0.18
3594	CECERY-LA	61.27	52.26	-0.43
3595	CECERY-LA	62.18	52.28	-0.43
3596	CECERY-LA	63.22	52.29	-0.43
3597	CECERY-LA	63.32	52.31	-0.43
3598	CECERY-LA	62.39	52.33	-0.43
3599	CECERY-LA	61.96	52.35	-0.43
3600	CECERY-LA	62.30	52.36	0.08
3601	CECERY-LA	62.64	52.38	0.08
3602	CECERY-LA	62.72	52.40	0.08
3603	CECERY-LA	61.90	52.41	0.08
3604	CECERY-LA	62.24	52.43	0.08
3605	CECERY-LA	61.97	52.45	0.08
3606	CECERY-LA	60.71	52.47	-0.68
3607	CECERY-LA	59.80	52.48	-0.68
3608	CECERY-LA	59.10	52.50	-0.68
3609	CECERY-LA	58.88	52.51	-0.68
3610	CECERY-LA	58.84	52.53	-0.68
3611	CECERY-LA	58.51	52.55	-0.68
3612	CECERY-LA	57.74	52.56	0.03
3613	CECERY-LA	56.85	52.58	0.03
3614	CECERY-LA	56.07	52.59	0.03
3615	CECERY-LA	55.34	52.61	0.03
3616	CECERY-LA	54.77	52.62	0.03
3617	CECERY-LA	55.11	52.64	0.03
3618	CECERY-LA	56.00	52.65	-0.21
3619	CECERY-LA	57.00	52.67	-0.21
3620	CECERY-LA	58.34	52.69	-0.21
3621	CECERY-LA	59.33	52.70	-0.21
3622	CECERY-LA	59.84	52.72	-0.21
3623	CECERY-LA	60.03	52.73	-0.21
3624	CECERY-LA	60.27	52.75	0.90
3625	CECERY-LA	60.66	52.77	0.90
3626	CECERY-LA	60.84	52.78	0.90
3627	CECERY-LA	60.72	52.80	0.90
3628	CECERY-LA	60.29	52.82	0.90
3629	CECERY-LA	59.62	52.83	0.90
3630	CECERY-LA	59.59	52.85	1.30
3631	CECERY-LA	58.53	52.87	1.30
3632	CECERY-LA	57.51	52.88	1.30
3633	CECERY-LA	56.45	52.90	1.30
3634	CECERY-LA	56.25	52.91	1.30
3635	CECERY-LA	56.53	52.93	1.30
3636	CECERY-LA	56.87	52.94	1.30
3637	CECERY-LA	57.56	52.96	-0.74
3638	CECERY-LA	57.87	52.98	-0.74
3639	CECERY-LA	57.56	52.99	-0.74
3640	CECERY-LA	56.64	53.01	-0.74
3641	CECERY-LA	55.70	53.02	-0.74
3642	CECERY-LA	54.77	53.04	-0.74
3643	CECERY-LA	54.05	53.05	-0.49
3644	CECERY-LA	53.59	53.07	-0.49
3645	CECERY-LA	53.17	53.08	-0.49
3646	CECERY-LA	52.13	53.10	-0.49
3647	CECERY-LA	50.66	53.11	-0.49
3648	CECERY-LA	48.30	53.12	-0.49
3649	CECERY-LA	44.91	53.14	-0.49
3650	CECERY-LA	41.25	53.15	-0.49
3651	CECERY-LA	37.58	53.16	-2.58
3652	CECERY-LA	33.85	53.17	-2.58
3653	CECERY-LA	30.68	53.18	-2.58
3654	CECERY-LA	28.47	53.18	-2.58
3655	CECERY-LA	26.66	53.19	-2.58
3656	CECERY-LA	24.76	53.20	-2.58
3657	CECERY-LA	23.16	53.20	-2.58
3658	CECERY-LA	20.60	53.21	-2.58
3659	CECERY-LA	18.54	53.22	-2.58
3660	CECERY-LA	16.78	53.22	-2.58
3661	CECERY-LA	15.11	53.22	-2.58
3662	CECERY-LA	13.57	53.23	-2.58
3663	CECERY-LA	12.76	53.23	-2.58
3664	CECERY-LA	13.07	53.23	-2.58
3665	CECERY-LA	13.47	53.24	-2.58
3666	CECERY-LA	13.74	53.24	-2.58

Page 46 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
3511	CECERY-LA	69.37	50.72	1.77
3512	CECERY-LA	69.39	50.74	1.77
3513	CECERY-LA	69.33	50.76	1.59
3514	CECERY-LA	69.07	50.78	1.59
3515	CECERY-LA	68.90	50.80	1.59
3516	CECERY-LA	68.89	50.81	1.59
3517	CECERY-LA	68.84	50.83	1.59
3518	CECERY-LA	68.85	50.85	-1.00
3519	CECERY-LA	68.84	50.87	-1.00
3520	CECERY-LA	68.81	50.89	-1.00
3521	CECERY-LA	68.69	50.91	-1.00
3522	CECERY-LA	69.11	50.93	-1.00
3523	CECERY-LA	69.19	50.95	-1.00
3524	CECERY-LA	69.40	50.97	-0.56
3525	CECERY-LA	69.75	50.99	0.56
3526	CECERY-LA	70.07	51.01	0.56
3527	CECERY-LA	70.33	51.02	0.56
3528	CECERY-LA	70.50	51.04	0.56
3529	CECERY-LA	70.84	51.06	-0.66
3530	CECERY-LA	71.22	51.08	-0.66
3531	CECERY-LA	71.63	51.10	-0.66
3532	CECERY-LA	72.20	51.12	-0.66
3533	CECERY-LA	72.61	51.14	-0.66
3534	CECERY-LA	73.10	51.16	-1.41
3535	CECERY-LA	73.64	51.18	-1.41
3536	CECERY-LA	74.16	51.20	-1.41
3537	CECERY-LA	74.68	51.22	-1.41
3538	CECERY-LA	75.19	51.24	-1.41
3539	CECERY-LA	75.56	51.27	-0.38
3540	CECERY-LA	75.89	51.29	-0.38
3541	CECERY-LA	76.12	51.31	-0.38
3542	CECERY-LA	76.22	51.33	-0.38
3543	CECERY-LA	75.33	51.35	-0.38
3544	CECERY-LA	74.56	51.37	-6.41
3545	CECERY-LA	74.12	51.39	-6.41
3546	CECERY-LA	74.12	51.41	-6.41
3547	CECERY-LA	73.88	51.43	-6.41
3548	CECERY-LA	73.47	51.45	-2.34
3549	CECERY-LA	73.02	51.47	-2.34
3550	CECERY-LA	72.54	51.49	-2.34
3551	CECERY-LA	71.56	51.51	-2.34
3552	CECERY-LA	71.23	51.53	-2.34
3553	CECERY-LA	70.44	51.55	-2.34
3554	CECERY-LA	69.96	51.57	-2.57
3555	CECERY-LA	70.17	51.59	-2.57
3556	CECERY-LA	70.39	51.61	-2.57
3557	CECERY-LA	70.52	51.63	-2.57
3558	CECERY-LA	70.75	51.65	-2.57
3559	CECERY-LA	70.15	51.66	4.11
3560	CECERY-LA	69.29	51.68	4.11
3561	CECERY-LA	69.75	51.70	4.11
3562	CECERY-LA	70.08	51.72	4.11
3563	CECERY-LA	70.35	51.74	4.11
3564	CECERY-LA	70.46	51.76	1.25
3565	CECERY-LA	70.54	51.78	1.25
3566	CECERY-LA	70.35	51.80	1.25
3567	CECERY-LA	69.30	51.82	1.25
3568	CECERY-LA	68.09	51.84	-1.25
3569	CECERY-LA	66.99	51.86	1.12
3570	CECERY-LA	65.92	51.87	1.12
3571	CECERY-LA	64.87	51.89	1.12
3572	CECERY-LA	63.80	51.91	1.12
3573	CECERY-LA	62.50	51.93	1.12
3574	CECERY-LA	61.17	51.94	1.12
3575	CECERY-LA	60.11	51.96	0.34
3576	CECERY-LA	59.44	51.98	0.34
3577	CECERY-LA	59.57	51.99	0.34
3578	CECERY-LA	59.59	52.01	0.34
3579	CECERY-LA	59.10	52.03	0.34
3580	CECERY-LA	58.68	52.04	0

Page 49 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
3745	CCECET-LA	11.05	53.43	-1.44
3746	CCECET-LA	11.03	53.43	-1.44
3747	CCECET-LA	10.64	53.43	-1.44
3748	CCECET-LA	9.49	53.44	-1.44
3749	CCECET-LA	8.22	53.44	-1.44
3750	CCECET-LA	6.68	53.44	-1.44
3751	CCECET-LA	5.31	53.44	-1.44
3752	CCECET-LA	4.60	53.44	-1.44
3753	CCECET-LA	5.36	53.44	-1.44
3754	CCECET-LA	8.70	53.45	-1.44
3755	CCECET-LA	11.40	53.45	-0.47
3756	CCECET-LA	11.47	53.45	-0.47
3757	CCECET-LA	11.52	53.46	-0.47
3758	CCECET-LA	11.24	53.46	-0.47
3759	CCECET-LA	10.64	53.46	-0.47
3760	CCECET-LA	10.02	53.47	-0.47
3761	CCECET-LA	9.79	53.47	-0.47
3762	CCECET-LA	10.97	53.47	-0.47
3763	CCECET-LA	13.13	53.47	-0.47
3764	CCECET-LA	15.23	53.48	-0.47
3765	CCECET-LA	15.70	53.48	-0.47
3766	CCECET-LA	14.70	53.49	-0.47
3767	CCECET-LA	12.97	53.49	-0.47
3768	CCECET-LA	11.14	53.49	-0.47
3769	CCECET-LA	9.63	53.50	-0.47
3770	CCECET-LA	9.31	53.50	-0.47
3771	CCECET-LA	10.97	53.50	-0.47
3772	CCECET-LA	11.61	53.51	-0.47
3773	CCECET-LA	13.34	53.51	-0.47
3774	CCECET-LA	15.22	53.51	-0.47
3775	CCECET-LA	16.00	53.52	-0.47
3776	CCECET-LA	17.69	53.52	-0.47
3777	CCECET-LA	19.66	53.53	-0.47
3778	CCECET-LA	21.09	53.53	-0.47
3779	CCECET-LA	22.04	53.54	-0.47
3780	CCECET-LA	21.91	53.55	-0.47
3781	CCECET-LA	21.74	53.55	1.56
3782	CCECET-LA	22.95	53.56	1.56
3783	CCECET-LA	24.31	53.56	1.56
3784	CCECET-LA	24.91	53.57	1.56
3785	CCECET-LA	24.48	53.58	1.56
3786	CCECET-LA	23.37	53.58	1.56
3787	CCECET-LA	21.75	53.59	1.56
3788	CCECET-LA	19.84	53.60	1.56
3789	CCECET-LA	17.79	53.60	1.56
3790	CCECET-LA	15.90	53.61	1.56
3791	CCECET-LA	15.87	53.61	1.56
3792	CCECET-LA	17.72	53.61	1.56
3793	CCECET-LA	19.96	53.62	1.56
3794	CCECET-LA	22.05	53.63	1.56
3795	CCECET-LA	23.99	53.63	1.56
3796	CCECET-LA	25.52	53.64	1.56
3797	CCECET-LA	26.71	53.65	1.56
3798	CCECET-LA	27.47	53.65	0.54
3799	CCECET-LA	28.39	53.66	0.54
3800	CCECET-LA	29.37	53.67	0.54
3801	CCECET-LA	30.27	53.68	0.54
3802	CCECET-LA	31.03	53.69	0.54
3803	CCECET-LA	31.91	53.70	0.54
3804	CCECET-LA	32.59	53.71	0.54
3805	CCECET-LA	32.97	53.71	0.54
3806	CCECET-LA	32.43	53.72	0.54
3807	CCECET-LA	31.25	53.73	0.54
3808	CCECET-LA	29.34	53.74	0.54
3809	CCECET-LA	27.18	53.75	0.54
3810	CCECET-LA	24.88	53.75	-2.76
3811	CCECET-LA	23.82	53.76	-2.76
3812	CCECET-LA	23.61	53.77	-2.76
3813	CCECET-LA	24.06	53.77	-2.76
3814	CCECET-LA	24.35	53.78	-2.76
3815	CCECET-LA	24.42	53.79	-2.76
3816	CCECET-LA	24.29	53.79	-2.76
3817	CCECET-LA	24.26	53.80	-2.76
3818	CCECET-LA	25.25	53.81	-2.76
3819	CCECET-LA	26.47	53.81	-2.76
3820	CCECET-LA	27.28	53.82	-2.76
3821	CCECET-LA	27.20	53.83	-2.76
3822	CCECET-LA	27.18	53.84	-2.76

Page 51 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
3901	CCECET-LA	17.15	54.36	2.56
3902	CCECET-LA	18.15	54.37	2.56
3903	CCECET-LA	20.09	54.37	2.56
3904	CCECET-LA	21.66	54.38	2.56
3905	CCECET-LA	22.23	54.39	2.56
3906	CCECET-LA	21.57	54.39	2.56
3907	CCECET-LA	21.61	54.40	2.56
3908	CCECET-LA	22.58	54.40	2.56
3909	CCECET-LA	23.32	54.41	2.56
3910	CCECET-LA	23.21	54.42	2.56
3911	CCECET-LA	22.73	54.42	2.56
3912	CCECET-LA	23.56	54.43	2.56
3913	CCECET-LA	24.14	54.44	2.56
3914	CCECET-LA	24.13	54.44	2.56
3915	CCECET-LA	24.37	54.45	2.56
3916	CCECET-LA	23.98	54.46	-0.38
3917	CCECET-LA	23.53	54.46	-0.38
3918	CCECET-LA	22.86	54.47	-0.38
3919	CCECET-LA	22.05	54.47	-0.38
3920	CCECET-LA	22.15	54.48	-0.38
3921	CCECET-LA	24.04	54.49	-0.38
3922	CCECET-LA	25.69	54.49	-0.38
3923	CCECET-LA	26.13	54.50	-0.38
3924	CCECET-LA	26.95	54.51	-0.38
3925	CCECET-LA	28.62	54.52	-0.38
3926	CCECET-LA	29.92	54.52	-0.38
3927	CCECET-LA	29.67	54.53	-0.38
3928	CCECET-LA	29.23	54.54	-0.38
3929	CCECET-LA	28.15	54.55	-0.38
3930	CCECET-LA	27.05	54.56	0.08
3931	CCECET-LA	27.23	54.56	0.08
3932	CCECET-LA	28.64	54.57	0.08
3933	CCECET-LA	29.95	54.58	0.08
3934	CCECET-LA	31.20	54.59	0.08
3935	CCECET-LA	31.25	54.60	0.08
3936	CCECET-LA	31.35	54.61	0.08
3937	CCECET-LA	32.58	54.61	0.08
3938	CCECET-LA	33.97	54.62	0.08
3939	CCECET-LA	34.67	54.63	0.08
3940	CCECET-LA	34.21	54.64	0.08
3941	CCECET-LA	33.60	54.65	0.15
3942	CCECET-LA	32.86	54.66	0.15
3943	CCECET-LA	31.06	54.67	0.15
3944	CCECET-LA	28.68	54.68	0.15
3945	CCECET-LA	26.52	54.68	0.15
3946	CCECET-LA	25.19	54.69	0.15
3947	CCECET-LA	24.31	54.70	0.15
3948	CCECET-LA	24.85	54.70	0.15
3949	CCECET-LA	26.26	54.71	0.15
3950	CCECET-LA	27.82	54.72	0.15
3951	CCECET-LA	29.39	54.73	0.15
3952	CCECET-LA	30.72	54.74	0.15
3953	CCECET-LA	31.52	54.74	0.15
3954	CCECET-LA	32.36	54.75	-0.52
3955	CCECET-LA	33.17	54.76	-0.52
3956	CCECET-LA	34.24	54.77	-0.52
3957	CCECET-LA	34.73	54.78	-0.52
3958	CCECET-LA	34.91	54.79	-0.52
3959	CCECET-LA	35.63	54.80	-0.52
3960	CCECET-LA	36.44	54.81	-0.52
3961	CCECET-LA	36.83	54.82	-0.52
3962	CCECET-LA	37.25	54.83	-0.52
3963	CCECET-LA	38.12	54.84	-0.52
3964	CCECET-LA	39.08	54.85	-0.25
3965	CCECET-LA	39.67	54.86	-0.25
3966	CCECET-LA	39.34	54.87	-0.25
3967	CCECET-LA	39.85	54.89	-0.25
3968	CCECET-LA	40.86	54.90	-0.25
3969	CCECET-LA	41.84	54.91	-0.25
3970	CCECET-LA	41.84	54.92	-0.25
3971	CCECET-LA	41.42	54.93	-0.25
3972	CCECET-LA	40.83	54.94	-0.25
3973	CCECET-LA	40.31	54.95	-0.18
3974	CCECET-LA	39.71	54.96	-0.18
3975	CCECET-LA	38.72	54.98	-0.18
3976	CCECET-LA	37.26	54.99	-0.18
3977	CCECET-LA	35.69	55.00	-0.18
3978	CCECET-LA	34.89	55.00	-0.18

Page 50 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
3823	CCECET-LA	26.94	53.84	-2.76
3824	CCECET-LA	26.08	53.85	0.62
3825	CCECET-LA	24.84	53.86	0.62
3826	CCECET-LA	23.42	53.87	0.62
3827	CCECET-LA	23.10	53.87	0.62
3828	CCECET-LA	23.01	53.88	0.62
3829	CCECET-LA	22.98	53.88	0.62
3830	CCECET-LA	22.87	53.89	0.62
3831	CCECET-LA	22.81	53.90	0.62
3832	CCECET-LA	23.91	53.90	0.62
3833	CCECET-LA	24.97	53.91	0.62
3834	CCECET-LA	25.61	53.92	0.62
3835	CCECET-LA	25.70	53.92	0.62
3836	CCECET-LA	26.13	53.93	0.62
3837	CCECET-LA	27.68	53.94	0.62
3838	CCECET-LA	29.12	53.95	0.62
3839	CCECET-LA	30.60	53.96	-0.23
3840	CCECET-LA	31.57	53.96	-0.23
3841	CCECET-LA	31.46	53.97	-0.23
3842	CCECET-LA	32.05	53.98	-0.23
3843	CCECET-LA	32.21	53.99	-0.23
3844	CCECET-LA	33.56	54.00	-0.23
3845	CCECET-LA	32.82	54.01	-0.23
3846	CCECET-LA	31.86	54.02	-0.23
3847	CCECET-LA	30.76	54.03	-0.23
3848	CCECET-LA	30.07	54.03	-0.23
3849	CCECET-LA	29.54	54.04	-0.23
3850	CCECET-LA	29.54	54.05	-0.23
3851	CCECET-LA	28.57	54.06	-0.23
3852	CCECET-LA	27.17	54.07	-0.23
3853	CCECET-LA	25.60	54.07	-0.23
3854	CCECET-LA	24.64	54.08	-0.23
3855	CCECET-LA	23.12	54.09	-0.23
3856	CCECET-LA	19.82	54.09	-0.23
3857	CCECET-LA	16.23	54.10	-0.23
3858	CCECET-LA	13.11	54.10	-0.23
3859	CCECET-LA	10.56	54.10	-0.23
3860	CCECET-LA	9.86	54.11	-0.23
3861	CCECET-LA	10.49	54.11	-0.23
3862	CCECET-LA	12.45	54.11	-0.23
3863	CCECET-LA	14.84	54.12	-0.23
3864	CCECET-LA	17.38	54.12	-0.23
3865	CCECET-LA	19.86	54.13	-0.23
3866	CCECET-LA	22.47	54.13	-0.23
3867	CCECET-LA	24.98	54.14	-0.23
3868	CCECET-LA	27.24	54.15	-0.23
3869	CCECET-LA	29.10	54.15	-3.46
3870	CCECET-LA	30.11	54.16	-3.46
3871	CCECET-LA	30.18	54.17	-3.46
3872	CCECET-LA	29.71	54.18	-3.46
3873	CCECET-LA	30.77	54.19	-3.46
3874	CCECET-LA	31.88	54.20	-3.46
3875	CCECET-LA	31.99	54.21	-3.46
3876	CCECET-LA	30.86	54.21	-3.46
3877	CCECET-LA	29.61	54.22	-3.46
3878	CCECET-LA	28.36	54.23	-3.46
3879	CCECET-LA	26.69	54.24	-3.46
3880	CCECET-LA	24.69	54.24	-3.46
3881	CCECET-LA	22.61	54.25	-2.87
3882	CCECET-LA	21.39	54.26	-2.87
3883	CCECET-LA	20.88	54.26	-2.87
3884	CCECET-LA	21.47	54.27	-2.87
3885	CCECET-LA	21.94	54.27	-2.87
3886	CCECET-LA	22.07	54.28	-2.87
3887	CCECET-LA	21.83	54.29	-2.87
3888	CCECET-LA	21.49	54.29	-2.87
3889	CCECET-LA	21.12	54.30	-2.87
3890	CCECET-LA	20.39	54.30	-2.87
3891	CCECET-LA	18.73	54.31	-2.87
3892	CCECET-LA	17.73	54.31	-2.87
3893	CCECET-LA	17.84	54.32	-2.87
3894	CCECET-LA	19.60	54.32	-2.87
3895	CCECET-LA	22.21	54.33	-2.87
3896	CCECET-LA	23.17	54.34	-2.87
3897	CCECET-LA	22.25	54.34	-2.87
3898	CCECET-LA	20.31	54.35	-2.87
3899	CCECET-LA	19.19	54.35	-2.87
3900	CCECET-LA	17.91	54.36	2.56

Page 53 of 279

time [s]	route	speed (mph)	distance [mi]	grade (%)
4057	CECERY-LA	33.09	55.84	0.05
4058	CECERY-LA	33.78	55.85	0.05
4059	CECERY-LA	33.92	55.86	-0.08
4060	CECERY-LA	33.82	55.87	-0.08
4061	CECERY-LA	34.58	55.88	-0.08
4062	CECERY-LA	35.40	55.89	-0.08
4063	CECERY-LA	36.17	55.90	-0.08
4064	CECERY-LA	36.71	55.91	-0.08
4065	CECERY-LA	36.17	55.92	-0.08
4066	CECERY-LA	36.00	55.93	-0.08
4067	CECERY-LA	35.83	55.94	-0.08
4068	CECERY-LA	35.09	55.95	-0.08
4069	CECERY-LA	33.75	55.96	-0.19
4070	CECERY-LA	32.26	55.96	-0.19
4071	CECERY-LA	30.51	55.97	-0.19
4072	CECERY-LA	28.91	55.98	-0.19
4073	CECERY-LA	28.29	55.99	-0.19
4074	CECERY-LA	28.51	56.00	-0.19
4075	CECERY-LA	28.90	56.00	-0.19
4076	CECERY-LA	27.90	56.01	-0.19
4077	CECERY-LA	25.52	56.02	-0.19
4078	CECERY-LA	22.84	56.02	-0.19
4079	CECERY-LA	20.19	56.03	-0.19
4080	CECERY-LA	18.04	56.04	-0.19
4081	CECERY-LA	17.78	56.04	-0.19
4082	CECERY-LA	18.91	56.05	-0.19
4083	CECERY-LA	19.78	56.05	-0.15
4084	CECERY-LA	19.00	56.06	-0.15
4085	CECERY-LA	16.45	56.06	-0.15
4086	CECERY-LA	14.78	56.06	-0.15
4087	CECERY-LA	14.50	56.07	-0.15
4088	CECERY-LA	14.21	56.07	-0.15
4089	CECERY-LA	14.42	56.08	-0.15
4090	CECERY-LA	15.07	56.08	-0.15
4091	CECERY-LA	15.38	56.08	-0.15
4092	CECERY-LA	15.84	56.09	-0.15
4093	CECERY-LA	16.38	56.09	-0.15
4094	CECERY-LA	17.15	56.10	-0.15
4095	CECERY-LA	18.00	56.10	-0.15
4096	CECERY-LA	19.02	56.11	-0.15
4097	CECERY-LA	20.24	56.11	-0.15
4098	CECERY-LA	21.49	56.12	-0.15
4099	CECERY-LA	21.34	56.13	-0.15
4100	CECERY-LA	21.36	56.13	-0.15
4101	CECERY-LA	21.74	56.14	-0.15
4102	CECERY-LA	21.27	56.14	-0.15
4103	CECERY-LA	21.59	56.15	-0.15
4104	CECERY-LA	21.42	56.16	-0.22
4105	CECERY-LA	21.58	56.16	-0.22
4106	CECERY-LA	22.83	56.17	-0.22
4107	CECERY-LA	24.34	56.17	-0.22
4108	CECERY-LA	26.42	56.18	-0.22
4109	CECERY-LA	26.40	56.19	-0.22
4110	CECERY-LA	27.44	56.20	-0.22
4111	CECERY-LA	28.42	56.20	-0.22
4112	CECERY-LA	29.56	56.21	-0.22
4113	CECERY-LA	30.30	56.22	-0.22
4114	CECERY-LA	29.91	56.23	-0.22
4115	CECERY-LA	30.14	56.24	-0.22
4116	CECERY-LA	31.19	56.25	-0.22
4117	CECERY-LA	32.20	56.25	0.09
4118	CECERY-LA	32.42	56.26	0.09
4119	CECERY-LA	32.02	56.27	0.09
4120	CECERY-LA	31.41	56.28	0.09
4121	CECERY-LA	31.57	56.29	0.09
4122	CECERY-LA	32.39	56.30	0.09
4123	CECERY-LA	32.93	56.31	0.09
4124	CECERY-LA	32.40	56.32	0.09
4125	CECERY-LA	31.71	56.33	0.09
4126	CECERY-LA	30.40	56.33	0.09
4127	CECERY-LA	28.90	56.34	0.09
4128	CECERY-LA	27.28	56.35	0.09
4129	CECERY-LA	25.74	56.36	-0.35
4130	CECERY-LA	25.24	56.36	-0.35
4131	CECERY-LA	25.56	56.37	-0.35
4132	CECERY-LA	25.99	56.38	-0.35
4133	CECERY-LA	26.98	56.38	-0.35
4134	CECERY-LA	28.09	56.39	-0.35

Page 55 of 279

time [s]	route	speed (mph)	distance [mi]	grade (%)
4213	CECERY-LA	45.30	57.21	-0.08
4214	CECERY-LA	45.64	57.22	-0.08
4215	CECERY-LA	45.43	57.24	-0.08
4216	CECERY-LA	45.48	57.25	-0.08
4217	CECERY-LA	45.99	57.26	0.92
4218	CECERY-LA	46.55	57.27	0.92
4219	CECERY-LA	46.44	57.29	0.92
4220	CECERY-LA	45.95	57.30	0.92
4221	CECERY-LA	45.56	57.31	0.92
4222	CECERY-LA	45.07	57.32	0.92
4223	CECERY-LA	43.88	57.34	0.92
4224	CECERY-LA	42.49	57.35	0.92
4225	CECERY-LA	41.03	57.36	-0.16
4226	CECERY-LA	40.69	57.37	-0.16
4227	CECERY-LA	40.69	57.38	-0.16
4228	CECERY-LA	41.57	57.39	-0.16
4229	CECERY-LA	42.37	57.40	-0.16
4230	CECERY-LA	42.20	57.42	-0.16
4231	CECERY-LA	42.00	57.43	-0.16
4232	CECERY-LA	41.85	57.44	-0.16
4233	CECERY-LA	41.76	57.45	-0.17
4234	CECERY-LA	41.95	57.46	-0.17
4235	CECERY-LA	41.99	57.47	-0.17
4236	CECERY-LA	42.92	57.49	-0.17
4237	CECERY-LA	43.34	57.50	-0.17
4238	CECERY-LA	43.86	57.51	-0.17
4239	CECERY-LA	45.18	57.52	-0.17
4240	CECERY-LA	46.94	57.53	-0.17
4241	CECERY-LA	48.00	57.55	-0.17
4242	CECERY-LA	50.99	57.56	0.62
4243	CECERY-LA	52.36	57.58	0.62
4244	CECERY-LA	53.48	57.59	0.62
4245	CECERY-LA	54.58	57.61	0.62
4246	CECERY-LA	55.97	57.62	0.62
4247	CECERY-LA	56.08	57.64	0.62
4248	CECERY-LA	55.98	57.65	-1.51
4249	CECERY-LA	54.41	57.67	-1.51
4250	CECERY-LA	52.19	57.68	-1.51
4251	CECERY-LA	50.00	57.70	-1.51
4252	CECERY-LA	48.94	57.71	-1.51
4253	CECERY-LA	49.36	57.72	-1.51
4254	CECERY-LA	50.28	57.74	-1.51
4255	CECERY-LA	51.54	57.75	-0.11
4256	CECERY-LA	52.47	57.76	-0.11
4257	CECERY-LA	53.15	57.78	-0.11
4258	CECERY-LA	53.77	57.79	-0.11
4259	CECERY-LA	54.40	57.81	-0.11
4260	CECERY-LA	54.89	57.82	-0.11
4261	CECERY-LA	55.23	57.84	-0.11
4262	CECERY-LA	54.66	57.85	-0.53
4263	CECERY-LA	54.45	57.87	-0.53
4264	CECERY-LA	54.95	57.88	-0.53
4265	CECERY-LA	55.64	57.90	-0.53
4266	CECERY-LA	56.45	57.92	-0.53
4267	CECERY-LA	57.26	57.93	-0.53
4268	CECERY-LA	57.61	57.95	-0.53
4269	CECERY-LA	57.26	57.96	1.51
4270	CECERY-LA	57.20	57.98	1.51
4271	CECERY-LA	57.52	57.99	1.51
4272	CECERY-LA	57.34	58.01	1.51
4273	CECERY-LA	57.00	58.03	1.51
4274	CECERY-LA	56.43	58.04	1.51
4275	CECERY-LA	54.65	58.06	-2.97
4276	CECERY-LA	51.78	58.07	-2.97
4277	CECERY-LA	48.41	58.08	-2.97
4278	CECERY-LA	45.76	58.10	-2.97
4279	CECERY-LA	43.28	58.11	-2.97
4280	CECERY-LA	40.32	58.12	-2.97
4281	CECERY-LA	36.76	58.13	-2.97
4282	CECERY-LA	32.85	58.14	-2.97
4283	CECERY-LA	29.80	58.15	-2.97
4284	CECERY-LA	27.63	58.15	0.49
4285	CECERY-LA	25.72	58.16	0.49
4286	CECERY-LA	24.78	58.17	0.49
4287	CECERY-LA	24.51	58.17	0.49
4288	CECERY-LA	23.54	58.18	0.49
4289	CECERY-LA	21.69	58.19	0.49
4290	CECERY-LA	19.21	58.19	0.49

Page 54 of 279

time [s]	route	speed (mph)	distance [mi]	grade (%)
4135	CECERY-LA	29.31	56.40	-0.35
4136	CECERY-LA	30.85	56.41	-0.35
4137	CECERY-LA	32.36	56.42	-0.35
4138	CECERY-LA	33.66	56.43	-0.35
4139	CECERY-LA	34.69	56.44	-0.35
4140	CECERY-LA	34.26	56.45	-0.35
4141	CECERY-LA	33.57	56.46	-0.17
4142	CECERY-LA	32.86	56.46	0.17
4143	CECERY-LA	32.08	56.47	0.17
4144	CECERY-LA	31.23	56.48	0.17
4145	CECERY-LA	30.41	56.49	0.17
4146	CECERY-LA	29.00	56.50	0.17
4147	CECERY-LA	27.28	56.51	0.17
4148	CECERY-LA	25.45	56.51	0.17
4149	CECERY-LA	23.65	56.52	0.17
4150	CECERY-LA	22.18	56.52	0.17
4151	CECERY-LA	21.73	56.53	0.17
4152	CECERY-LA	22.41	56.54	0.17
4153	CECERY-LA	23.76	56.54	0.17
4154	CECERY-LA	25.09	56.55	-0.36
4155	CECERY-LA	25.40	56.56	-0.36
4156	CECERY-LA	25.49	56.56	-0.36
4157	CECERY-LA	26.49	56.57	-0.36
4158	CECERY-LA	27.64	56.58	-0.36
4159	CECERY-LA	28.88	56.59	-0.36
4160	CECERY-LA	30.41	56.60	-0.36
4161	CECERY-LA	31.88	56.60	-0.36
4162	CECERY-LA	33.47	56.61	-0.36
4163	CECERY-LA	34.97	56.62	-0.36
4164	CECERY-LA	36.07	56.63	-0.36
4165	CECERY-LA	36.04	56.64	-0.36
4166	CECERY-LA	35.35	56.65	-0.39
4167	CECERY-LA	35.54	56.66	-0.39
4168	CECERY-LA	36.48	56.67	-0.39
4169	CECERY-LA	36.93	56.68	-0.39
4170	CECERY-LA	37.71	56.69	-0.39
4171	CECERY-LA	38.64	56.70	-0.39
4172	CECERY-LA	39.66	56.71	-0.39
4173	CECERY-LA	41.05	56.73	-0.39
4174	CECERY-LA	42.72	56.74	-0.39
4175	CECERY-LA	44.03	56.75	-0.39
4176	CECERY-LA	43.95	56.76	0.15
4177	CECERY-LA	43.70	56.77	0.15
4178	CECERY-LA	44.45	56.79	0.15
4179	CECERY-LA	44.84	56.80	0.15
4180	CECERY-LA	45.39	56.81	0.15
4181	CECERY-LA	46.01	56.82	0.15
4182	CECERY-LA	46.31	56.84	0.15
4183	CECERY-LA	45.88	56.85	0.15
4184	CECERY-LA	46.47	56.86	0.47
4185	CECERY-LA	46.62	56.87	0.47
4186	CECERY-LA	45.85	56.88	0.47
4187	CECERY-LA	45.03	56.90	0.47
4188	CECERY-LA	45.03	56.91	0.47
4189	CECERY-LA	44.61	56.92	0.47
4190	CECERY-LA	44.55	56.94	0.47
4191	CECERY-LA	44.73	56.95	0.47
4192	CECERY-LA	44.92	56.96	-1.60
4193	CECERY-LA	45.32	56.97	-1.60
4194	CECERY-LA	45.58	56.99	-1.60
4195	CECERY-LA	45.59	57.00	-1.60
4196	CECERY-LA	44.75	57.01	-1.60
4197	CECERY-LA	44.45	57.02	-1.60
4198	CECERY-LA	44.44	57.04	-1.60
4199	CECERY-LA	43.73	57.05	-1.60
4200	CECERY-LA	43.08	57.06	-0.61
4201	CECERY-LA	42.39	57.07	-0.61
4202	CECERY-LA	41.69	57.08	-0.61
4203	CECERY-LA	41.04	57.09	-0.61
4204	CECERY-LA	40.66	57.10	-0

Page 57 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
4369	CECERY-LA	20.79	58.56	-0.50
4370	CECERY-LA	23.28	58.57	-0.50
4371	CECERY-LA	25.52	58.58	-0.50
4372	CECERY-LA	27.62	58.58	-0.50
4373	CECERY-LA	29.35	58.59	-0.50
4374	CECERY-LA	31.15	58.60	-0.50
4375	CECERY-LA	32.93	58.61	-0.50
4376	CECERY-LA	34.29	58.62	-0.50
4377	CECERY-LA	35.41	58.63	-0.50
4378	CECERY-LA	36.61	58.64	-0.50
4379	CECERY-LA	37.62	58.65	-0.50
4380	CECERY-LA	38.60	58.66	-0.34
4381	CECERY-LA	38.56	58.67	-0.34
4382	CECERY-LA	38.44	58.68	-0.34
4383	CECERY-LA	38.42	58.69	-0.34
4384	CECERY-LA	37.99	58.70	-0.34
4385	CECERY-LA	38.36	58.71	-0.34
4386	CECERY-LA	37.95	58.72	-0.34
4387	CECERY-LA	37.99	58.73	-0.34
4388	CECERY-LA	37.41	58.74	-0.34
4389	CECERY-LA	37.84	58.75	-0.52
4390	CECERY-LA	38.55	58.76	-0.52
4391	CECERY-LA	39.22	58.77	-0.52
4392	CECERY-LA	39.58	58.79	-0.52
4393	CECERY-LA	39.05	58.80	-0.52
4394	CECERY-LA	38.21	58.81	-0.52
4395	CECERY-LA	36.53	58.82	-0.52
4396	CECERY-LA	34.70	58.83	-0.52
4397	CECERY-LA	32.53	58.83	-0.52
4398	CECERY-LA	30.05	58.84	-0.52
4399	CECERY-LA	28.08	58.85	-0.66
4400	CECERY-LA	26.35	58.86	-0.66
4401	CECERY-LA	25.91	58.87	-0.66
4402	CECERY-LA	25.62	58.87	-0.66
4403	CECERY-LA	25.41	58.88	-0.66
4404	CECERY-LA	25.19	58.89	-0.66
4405	CECERY-LA	24.96	58.89	-0.66
4406	CECERY-LA	25.36	58.90	-0.66
4407	CECERY-LA	25.43	58.91	-0.66
4408	CECERY-LA	24.40	58.91	-0.66
4409	CECERY-LA	22.18	58.92	-0.66
4410	CECERY-LA	19.86	58.93	-0.66
4411	CECERY-LA	18.92	58.93	-0.66
4412	CECERY-LA	18.93	58.94	-0.66
4413	CECERY-LA	19.73	58.94	-0.66
4414	CECERY-LA	20.72	58.95	-0.66
4415	CECERY-LA	21.32	58.95	-0.41
4416	CECERY-LA	21.46	58.96	-0.41
4417	CECERY-LA	20.93	58.96	-0.41
4418	CECERY-LA	19.34	58.97	-0.41
4419	CECERY-LA	17.59	58.97	-0.41
4420	CECERY-LA	15.86	58.98	-0.41
4421	CECERY-LA	13.61	58.98	-0.41
4422	CECERY-LA	10.62	58.99	-0.41
4423	CECERY-LA	6.82	58.99	-0.41
4424	CECERY-LA	3.50	58.99	-0.41
4425	CECERY-LA	1.83	58.99	-0.41
4426	CECERY-LA	2.55	58.99	-0.41
4427	CECERY-LA	3.60	58.99	-0.41
4428	CECERY-LA	6.19	58.99	-0.41
4429	CECERY-LA	9.42	58.99	-0.41
4430	CECERY-LA	11.62	59.00	-0.41
4431	CECERY-LA	11.90	59.00	-0.41
4432	CECERY-LA	11.70	59.00	-0.41
4433	CECERY-LA	10.42	59.01	-0.41
4434	CECERY-LA	7.93	59.01	-0.41
4435	CECERY-LA	4.79	59.01	-0.41
4436	CECERY-LA	2.53	59.01	-0.41
4437	CECERY-LA	1.16	59.01	-0.41
4438	CECERY-LA	1.82	59.01	-0.41
4439	CECERY-LA	2.41	59.01	-0.41
4440	CECERY-LA	2.37	59.01	-0.41
4441	CECERY-LA	3.34	59.01	-0.41
4442	CECERY-LA	5.28	59.02	-0.41
4443	CECERY-LA	8.43	59.02	-0.41
4444	CECERY-LA	10.76	59.02	-0.41
4445	CECERY-LA	11.96	59.02	-0.41
4446	CECERY-LA	12.42	59.03	-0.41

Page 59 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
4525	CECERY-LA	22.18	59.32	0.13
4526	CECERY-LA	24.48	59.32	0.13
4527	CECERY-LA	26.63	59.33	0.13
4528	CECERY-LA	28.50	59.34	0.13
4529	CECERY-LA	30.11	59.35	0.13
4530	CECERY-LA	31.59	59.36	0.13
4531	CECERY-LA	32.77	59.37	0.13
4532	CECERY-LA	33.82	59.38	0.13
4533	CECERY-LA	33.84	59.38	0.13
4534	CECERY-LA	32.97	59.39	0.13
4535	CECERY-LA	32.01	59.40	0.13
4536	CECERY-LA	30.26	59.41	0.13
4537	CECERY-LA	28.00	59.42	0.13
4538	CECERY-LA	25.48	59.43	0.13
4539	CECERY-LA	22.97	59.43	0.13
4540	CECERY-LA	20.33	59.44	0.13
4541	CECERY-LA	18.67	59.44	0.13
4542	CECERY-LA	19.03	59.45	0.13
4543	CECERY-LA	20.95	59.45	0.57
4544	CECERY-LA	23.24	59.46	0.57
4545	CECERY-LA	25.46	59.47	0.57
4546	CECERY-LA	27.43	59.47	0.57
4547	CECERY-LA	29.30	59.48	0.57
4548	CECERY-LA	30.94	59.49	0.57
4549	CECERY-LA	32.41	59.50	0.57
4550	CECERY-LA	33.04	59.51	0.57
4551	CECERY-LA	33.45	59.52	0.57
4552	CECERY-LA	34.44	59.53	0.57
4553	CECERY-LA	35.53	59.54	0.57
4554	CECERY-LA	35.76	59.55	0.57
4555	CECERY-LA	35.21	59.56	0.54
4556	CECERY-LA	35.40	59.57	0.54
4557	CECERY-LA	35.61	59.58	0.54
4558	CECERY-LA	35.33	59.59	0.54
4559	CECERY-LA	36.03	59.60	0.54
4560	CECERY-LA	36.54	59.61	0.54
4561	CECERY-LA	36.13	59.62	0.54
4562	CECERY-LA	36.42	59.63	0.54
4563	CECERY-LA	36.93	59.64	0.54
4564	CECERY-LA	36.76	59.65	0.54
4565	CECERY-LA	35.59	59.66	0.51
4566	CECERY-LA	32.25	59.66	0.51
4567	CECERY-LA	26.29	59.67	0.51
4568	CECERY-LA	19.88	59.68	0.51
4569	CECERY-LA	14.02	59.68	0.51
4570	CECERY-LA	9.21	59.68	0.51
4571	CECERY-LA	4.46	59.69	0.51
4572	CECERY-LA	1.26	59.69	0.51
4573	CECERY-LA	0.89	59.69	0.51
4574	CECERY-LA	4.51	59.69	0.51
4575	CECERY-LA	9.62	59.69	0.51
4576	CECERY-LA	13.96	59.69	0.51
4577	CECERY-LA	17.43	59.70	0.51
4578	CECERY-LA	20.25	59.70	0.51
4579	CECERY-LA	21.59	59.71	0.51
4580	CECERY-LA	21.80	59.72	0.51
4581	CECERY-LA	20.68	59.72	0.51
4582	CECERY-LA	18.90	59.73	0.51
4583	CECERY-LA	16.57	59.73	0.51
4584	CECERY-LA	13.67	59.73	0.51
4585	CECERY-LA	10.06	59.74	0.51
4586	CECERY-LA	6.10	59.74	0.51
4587	CECERY-LA	2.90	59.74	0.51
4588	CECERY-LA	1.11	59.74	0.51
4589	CECERY-LA	0.00	59.74	0.51
4590	CECERY-LA	0.00	59.74	0.51
4591	CECERY-LA	0.00	59.74	0.51
4592	CECERY-LA	0.00	59.74	0.51
4593	CECERY-LA	0.00	59.74	0.51
4594	CECERY-LA	0.00	59.74	0.51
4595	CECERY-LA	0.00	59.74	0.51
4596	CECERY-LA	0.00	59.74	0.51
4597	CECERY-LA	0.00	59.74	0.51
4598	CECERY-LA	0.00	59.74	0.51
4599	CECERY-LA	0.00	59.74	0.51
4600	CECERY-LA	0.00	59.74	0.51
4601	CECERY-LA	0.00	59.74	0.51
4602	CECERY-LA	0.00	59.74	0.51

Page 58 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
4447	CECERY-LA	13.01	59.03	-0.41
4448	CECERY-LA	14.14	59.04	-0.41
4449	CECERY-LA	16.19	59.04	-0.41
4450	CECERY-LA	18.28	59.05	-0.41
4451	CECERY-LA	20.21	59.05	-0.93
4452	CECERY-LA	20.90	59.06	-0.93
4453	CECERY-LA	21.52	59.06	-0.93
4454	CECERY-LA	22.86	59.07	-0.93
4455	CECERY-LA	24.15	59.08	-0.93
4456	CECERY-LA	24.78	59.08	-0.93
4457	CECERY-LA	24.66	59.09	-0.93
4458	CECERY-LA	24.49	59.10	-0.93
4459	CECERY-LA	24.76	59.10	-0.93
4460	CECERY-LA	24.50	59.11	-0.93
4461	CECERY-LA	24.35	59.12	-0.93
4462	CECERY-LA	24.25	59.12	-0.93
4463	CECERY-LA	24.20	59.13	-0.93
4464	CECERY-LA	24.06	59.14	-0.93
4465	CECERY-LA	23.66	59.14	-0.93
4466	CECERY-LA	24.57	59.15	-0.93
4467	CECERY-LA	25.65	59.16	-0.75
4468	CECERY-LA	26.51	59.16	-0.75
4469	CECERY-LA	27.33	59.17	-0.75
4470	CECERY-LA	28.04	59.18	-0.75
4471	CECERY-LA	28.12	59.19	-0.75
4472	CECERY-LA	27.57	59.19	-0.75
4473	CECERY-LA	26.31	59.20	-0.75
4474	CECERY-LA	24.87	59.21	-0.75
4475	CECERY-LA	24.24	59.21	-0.75
4476	CECERY-LA	23.33	59.22	-0.75
4477	CECERY-LA	21.27	59.23	-0.75
4478	CECERY-LA	20.14	59.23	-0.75
4479	CECERY-LA	19.91	59.24	-0.75
4480	CECERY-LA	19.07	59.24	-0.75
4481	CECERY-LA	17.86	59.25	-0.75
4482	CECERY-LA	16.49	59.25	0.13
4483	CECERY-LA	15.02	59.26	0.13
4484	CECERY-LA	13.29	59.26	0.13
4485	CECERY-LA	11.28	59.26	0.13
4486	CECERY-LA	9.25	59.27	0.13
4487	CECERY-LA	6.93	59.27	0.13
4488	CECERY-LA	5.23	59.27	0.13
4489	CECERY-LA	5.10	59.27	0.13
4490	CECERY-LA	4.30	59.27	0.13
4491	CECERY-LA	3.15	59.27	0.13
4492	CECERY-LA	2.10	59.27	0.13
4493	CECERY-LA	1.14	59.27	0.13
4494	CECERY-LA	0.00	59.27	0.13
4495	CECERY-LA	0.00	59.27	0.13
4496	CECERY-LA	0.00	59.27	0.13
4497	CECERY-LA	0.00	59.27	0.13
4498	CECERY-LA	0.00	59.27	0.13
4499	CECERY-LA	0.00	59.27	0.13
4500	CECERY-LA	0.00	59.27	0.13
4501	CECERY-LA	0.00	59.27	0.13
4502	CECERY-LA	0.00	59.27	0.13
4503	CECERY-LA	0.00	59.27	0.13
4504	CECERY-LA	0.00	59.27	0.13
4505	CECERY-LA	0.00	59.27	0.13
4506	CECERY-LA	0.00	59.27	0.13
4507	CECERY-LA	0.00	59.27	0.13
4508	CECERY-LA	0.00	59.27	0.13
4509	CECERY-LA	0.00	59.27	0.13
4510	CECERY-LA	0.00	59.27	0.13
4511	CECERY-LA	0.00	59.27	0.13
4512	CECERY-LA	0.00	59.27	0.13
4513	CECERY-LA	0.70	59.27	0.13
4514	CECERY-LA	4.42	59.28	0.13
4515	CECERY-LA	8.08	59.28	0.13
4516	CECERY-LA	10.11	59.28	0.13
4517	CECERY-LA	11.03	59.28	0.13
4518	CECERY-LA	12.07	59.29	0.13
4519	CECERY-LA	14.04	59.29	0.13
4520	CECERY-LA	13.81	59.29	0.13
4521	CECERY-LA	13.35	59.30	0.13
4522	CECERY-LA	14.40	59.30	0.13
4523	CECERY-LA	17.11	59.31	0.13
4524	CECERY-LA	19.57	59.31	0.13

time (s)	route	speed (mph)	distance (mi)	grade (%)
4759	CECIRT-1A	0.00	60.05	-0.30
4760	CECIRT-1A	0.00	60.05	-0.30
4761	CECIRT-1A	0.00	60.05	-0.30
4762	CECIRT-1A	0.00	60.05	-0.30
4763	CECIRT-1A	0.00	60.05	-0.30
4764	CECIRT-1A	0.00	60.05	-0.30
4765	CECIRT-1A	0.00	60.05	-0.30
4766	CECIRT-1A	0.00	60.05	-0.30
4767	CECIRT-1A	0.00	60.05	-0.30
4768	CECIRT-1A	0.00	60.05	-0.30
4769	CECIRT-1A	0.00	60.05	-0.30
4770	CECIRT-1A	0.00	60.05	-0.30
4771	CECIRT-1A	0.00	60.05	-0.30
4772	CECIRT-1A	0.00	60.05	-0.30
4773	CECIRT-1A	0.00	60.05	-0.30
4774	CECIRT-1A	0.00	60.05	-0.30
4775	CECIRT-1A	0.17	60.05	-0.30
4776	CECIRT-1A	1.18	60.05	-0.30
4777	CECIRT-1A	0.17	60.05	-0.30
4778	CECIRT-1A	0.00	60.05	-0.30
4779	CECIRT-1A	0.00	60.05	-0.30
4780	CECIRT-1A	3.06	60.05	-0.30
4781	CECIRT-1A	8.60	60.05	-0.30
4782	CECIRT-1A	12.25	60.06	-0.30
4783	CECIRT-1A	12.39	60.06	-0.30
4784	CECIRT-1A	12.66	60.06	-0.30
4785	CECIRT-1A	14.13	60.07	-0.30
4786	CECIRT-1A	16.70	60.07	-0.30
4787	CECIRT-1A	19.70	60.07	-0.30
4788	CECIRT-1A	22.39	60.08	-0.30
4789	CECIRT-1A	25.33	60.09	-0.30
4790	CECIRT-1A	24.58	60.10	-0.30
4791	CECIRT-1A	25.91	60.10	-0.30
4792	CECIRT-1A	25.61	60.11	-0.30
4793	CECIRT-1A	23.91	60.12	-0.30
4794	CECIRT-1A	21.41	60.12	-0.30
4795	CECIRT-1A	18.31	60.13	-0.30
4796	CECIRT-1A	15.50	60.13	-0.30
4797	CECIRT-1A	12.79	60.14	-0.30
4798	CECIRT-1A	10.72	60.14	-0.30
4799	CECIRT-1A	7.26	60.14	-0.30
4800	CECIRT-1A	4.63	60.14	-0.30
4801	CECIRT-1A	2.45	60.14	-0.30
4802	IdHrA-01	0.47	60.14	-0.30
4803	IdHrA-01	0.00	60.14	-0.30
4804	IdHrA-01	0.00	60.14	-0.30
4805	IdHrA-01	0.00	60.14	-0.30
4806	IdHrA-01	0.00	60.14	-0.30
4807	IdHrA-01	0.00	60.14	-0.30
4808	IdHrA-01	0.00	60.14	-0.30
4809	IdHrA-01	0.00	60.14	-0.30
4810	IdHrA-01	0.00	60.14	-0.30
4811	IdHrA-01	0.00	60.14	-0.30
4812	IdHrA-01	0.00	60.14	-0.30
4813	IdHrA-01	0.00	60.14	-0.30
4814	IdHrA-01	0.00	60.14	-0.30
4815	IdHrA-01	0.00	60.14	-0.30
4816	IdHrA-01	0.00	60.14	-0.30
4817	IdHrA-01	0.00	60.14	-0.30
4818	IdHrA-01	0.00	60.14	-0.30
4819	IdHrA-01	0.00	60.14	-0.30
4820	IdHrA-01	0.00	60.14	-0.30
4821	IdHrA-01	0.00	60.14	-0.30
4822	IdHrA-01	0.00	60.14	-0.30
4823	IdHrA-01	0.00	60.14	-0.30
4824	IdHrA-01	0.00	60.14	-0.30
4825	IdHrA-01	0.00	60.14	-0.30
4826	IdHrA-01	0.00	60.14	-0.30
4827	IdHrA-01	0.00	60.14	-0.30
4828	IdHrA-01	0.00	60.14	-0.30
4829	IdHrA-01	0.00	60.14	-0.30
4830	IdHrA-01	0.00	60.14	-0.30
4831	IdHrA-01	0.00	60.14	-0.30
4832	IdHrA-01	0.00	60.14	-0.30
4833	IdHrA-01	0.00	60.14	-0.30
4834	IdHrA-01	0.00	60.14	-0.30
4835	IdHrA-01	0.00	60.14	-0.30
4836	IdHrA-01	0.00	60.14	-0.30

time (s)	route	speed (mph)	distance (mi)	grade (%)
4915	IdRte-A1	0.00	0.14	-0.30
4916	IdRte-A1	0.00	0.14	-0.30
4917	IdRte-A1	0.00	0.14	-0.30
4918	IdRte-A1	0.00	0.14	-0.30
4919	IdRte-A1	0.00	0.14	-0.30
4920	IdRte-A1	0.00	0.14	-0.30
4921	IdRte-A1	0.00	0.14	-0.30
4922	IdRte-A1	0.00	0.14	-0.30
4923	IdRte-A1	0.00	0.14	-0.30
4924	IdRte-A1	0.00	0.14	-0.30
4925	IdRte-A1	0.00	0.14	-0.30
4926	IdRte-A1	0.00	0.14	-0.30
4927	IdRte-A1	0.00	0.14	-0.30
4928	IdRte-A1	0.00	0.14	-0.30
4929	IdRte-A1	0.00	0.14	-0.30
4930	IdRte-A1	0.00	0.14	-0.30
4931	IdRte-A1	0.00	0.14	-0.30
4932	IdRte-A1	0.00	0.14	-0.30
4933	IdRte-A1	0.00	0.14	-0.30
4934	IdRte-A1	0.00	0.14	-0.30
4935	IdRte-A1	0.00	0.14	-0.30
4936	IdRte-A1	0.00	0.14	-0.30
4937	IdRte-A1	0.00	0.14	-0.30
4938	IdRte-A1	0.00	0.14	-0.30
4939	IdRte-A1	0.00	0.14	-0.30
4940	IdRte-A1	0.00	0.14	-0.30
4941	IdRte-A1	0.00	0.14	-0.30
4942	IdRte-A1	0.00	0.14	-0.30
4943	IdRte-A1	0.00	0.14	-0.30
4944	IdRte-A1	0.00	0.14	-0.30
4945	IdRte-A1	0.00	0.14	-0.30
4946	IdRte-A1	0.00	0.14	-0.30
4947	IdRte-A1	0.00	0.14	-0.30
4948	IdRte-A1	0.00	0.14	-0.30
4949	IdRte-A1	0.00	0.14	-0.30
4950	IdRte-A1	0.00	0.14	-0.30
4951	IdRte-A1	0.00	0.14	-0.30
4952	IdRte-A1	0.00	0.14	-0.30
4953	IdRte-A1	0.00	0.14	-0.30
4954	IdRte-A1	0.00	0.14	-0.30
4955	IdRte-A1	0.00	0.14	-0.30
4956	IdRte-A1	0.00	0.14	-0.30
4957	IdRte-A1	0.00	0.14	-0.30
4958	IdRte-A1	0.00	0.14	-0.30
4959	IdRte-A1	0.00	0.14	-0.30
4960	IdRte-A1	0.00	0.14	-0.30
4961	IdRte-A1	0.00	0.14	-0.30
4962	IdRte-A1	0.00	0.14	-0.30
4963	IdRte-A1	0.00	0.14	-0.30
4964	IdRte-A1	0.00	0.14	-0.30
4965	IdRte-A1	0.00	0.14	-0.30
4966	IdRte-A1	0.00	0.14	-0.30
4967	IdRte-A1	0.00	0.14	-0.30
4968	IdRte-A1	0.00	0.14	-0.30
4969	IdRte-A1	0.00	0.14	-0.30
4970	IdRte-A1	0.00	0.14	-0.30
4971	IdRte-A1	0.00	0.14	-0.30
4972	IdRte-A1	0.00	0.14	-0.30
4973	IdRte-A1	0.00	0.14	-0.30
4974	IdRte-A1	0.00	0.14	-0.30
4975	IdRte-A1	0.00	0.14	-0.30
4976	IdRte-A1	0.00	0.14	-0.30
4977	IdRte-A1	0.00	0.14	-0.30
4978	IdRte-A1	0.00	0.14	-0.30
4979	IdRte-A1	0.00	0.14	-0.30
4980	IdRte-A1	0.00	0.14	-0.30
4981	IdRte-A1	0.00	0.14	-0.30
4982	IdRte-A1	0.00	0.14	-0.30
4983	IdRte-A1	0.00	0.14	-0.30
4984	IdRte-A1	0.00	0.14	-0.30
4985	IdRte-A1	0.00	0.14	-0.30
4986	IdRte-A1	0.00	0.14	-0.30
4987	IdRte-A1	0.00	0.14	-0.30
4988	LA-LA	0.00	0.14	-0.30
4989	LA-LA	0.00	0.14	-0.30
4990	LA-LA	0.00	0.14	-0.30
4991	LA-LA	2.32	0.14	-0.30

Page 65 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
4993	LA-LA	7.49	60.15	-0.30
4994	LA-LA	14.91	60.15	-0.29
4995	LA-LA	22.81	60.16	-0.29
4996	LA-LA	29.24	60.17	-0.29
4997	LA-LA	36.01	60.18	-0.29
4998	LA-LA	41.42	60.19	-0.29
4999	LA-LA	43.58	60.20	-0.29
5000	LA-LA	42.91	60.21	-0.29
5001	LA-LA	41.42	60.22	-0.29
5002	LA-LA	38.55	60.23	-0.29
5003	LA-LA	35.13	60.24	-0.29
5004	LA-LA	31.58	60.25	-0.32
5005	LA-LA	27.88	60.26	-0.32
5006	LA-LA	24.16	60.27	-0.32
5007	LA-LA	20.59	60.27	-0.32
5008	LA-LA	16.86	60.28	-0.32
5009	LA-LA	13.11	60.28	-0.32
5010	LA-LA	9.65	60.28	-0.32
5011	LA-LA	6.59	60.28	-0.32
5012	LA-LA	4.45	60.28	-0.32
5013	LA-LA	2.95	60.29	-0.32
5014	LA-LA	1.86	60.29	-0.32
5015	LA-LA	0.60	60.29	-0.32
5016	LA-LA	0.00	60.29	-0.32
5017	LA-LA	0.00	60.29	-0.32
5018	LA-LA	0.00	60.29	-0.32
5019	LA-LA	0.00	60.29	-0.32
5020	LA-LA	0.00	60.29	-0.32
5021	LA-LA	0.00	60.29	-0.32
5022	LA-LA	0.00	60.29	-0.32
5023	LA-LA	0.00	60.29	-0.32
5024	LA-LA	0.00	60.29	-0.32
5025	LA-LA	0.00	60.29	-0.32
5026	LA-LA	0.00	60.29	-0.32
5027	LA-LA	0.00	60.29	-0.32
5028	LA-LA	0.00	60.29	-0.32
5029	LA-LA	0.00	60.29	-0.32
5030	LA-LA	0.00	60.29	-0.32
5031	LA-LA	0.00	60.29	-0.32
5032	LA-LA	0.18	60.29	-0.32
5033	LA-LA	2.13	60.29	-0.32
5034	LA-LA	5.95	60.29	-0.32
5035	LA-LA	8.69	60.29	-0.32
5036	LA-LA	9.84	60.29	-0.32
5037	LA-LA	11.02	60.30	-0.32
5038	LA-LA	11.70	60.30	-0.32
5039	LA-LA	12.84	60.30	-0.32
5040	LA-LA	13.10	60.31	-0.32
5041	LA-LA	12.99	60.31	-0.32
5042	LA-LA	12.68	60.31	-0.32
5043	LA-LA	11.34	60.32	-0.32
5044	LA-LA	9.53	60.32	-0.32
5045	LA-LA	7.32	60.32	-0.32
5046	LA-LA	5.53	60.32	-0.32
5047	LA-LA	4.71	60.32	-0.32
5048	LA-LA	3.89	60.33	-0.32
5049	LA-LA	2.97	60.33	-0.32
5050	LA-LA	2.04	60.33	-0.32
5051	LA-LA	1.22	60.33	-0.32
5052	LA-LA	1.96	60.33	-0.32
5053	LA-LA	2.95	60.33	-0.32
5054	LA-LA	3.84	60.33	-0.32
5055	LA-LA	5.07	60.33	-0.32
5056	LA-LA	8.02	60.33	-0.32
5057	LA-LA	10.76	60.34	-0.32
5058	LA-LA	12.26	60.34	-0.32
5059	LA-LA	13.85	60.34	-0.32
5060	LA-LA	15.22	60.35	-0.32
5061	LA-LA	15.11	60.35	-0.54
5062	LA-LA	14.93	60.36	-0.54
5063	LA-LA	15.99	60.36	-0.54
5064	LA-LA	17.16	60.37	-0.54
5065	LA-LA	16.43	60.37	-0.54
5066	LA-LA	14.30	60.37	-0.54
5067	LA-LA	13.43	60.38	-0.54
5068	LA-LA	13.59	60.38	-0.54
5069	LA-LA	14.68	60.38	-0.54
5070	LA-LA	16.17	60.39	-0.54

Page 67 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
5149	LA-LA	0.00	60.81	-0.05
5150	LA-LA	0.00	60.81	-0.05
5151	LA-LA	0.00	60.81	-0.05
5152	LA-LA	0.00	60.81	-0.05
5153	LA-LA	0.00	60.81	-0.05
5154	LA-LA	0.00	60.81	-0.05
5155	LA-LA	0.00	60.81	-0.05
5156	LA-LA	0.00	60.81	-0.05
5157	LA-LA	0.00	60.81	-0.05
5158	LA-LA	0.00	60.81	-0.05
5159	LA-LA	0.00	60.81	-0.05
5160	LA-LA	0.00	60.81	-0.05
5161	LA-LA	0.00	60.81	-0.05
5162	LA-LA	0.00	60.81	-0.05
5163	LA-LA	0.00	60.81	-0.05
5164	LA-LA	0.00	60.81	-0.05
5165	LA-LA	0.00	60.81	-0.05
5166	LA-LA	0.00	60.81	-0.05
5167	LA-LA	0.00	60.81	-0.05
5168	LA-LA	0.00	60.81	-0.05
5169	LA-LA	0.00	60.81	-0.05
5170	LA-LA	0.00	60.81	-0.05
5171	LA-LA	0.00	60.81	-0.05
5172	LA-LA	0.00	60.81	-0.05
5173	LA-LA	0.00	60.81	-0.05
5174	LA-LA	0.00	60.81	-0.05
5175	LA-LA	0.00	60.81	-0.05
5176	LA-LA	0.00	60.81	-0.05
5177	LA-LA	0.00	60.81	-0.05
5178	LA-LA	0.00	60.81	-0.05
5179	LA-LA	0.00	60.81	-0.05
5180	LA-LA	0.00	60.81	-0.05
5181	LA-LA	0.00	60.81	-0.05
5182	LA-LA	0.00	60.81	-0.05
5183	LA-LA	0.00	60.81	-0.05
5184	LA-LA	0.00	60.81	-0.05
5185	LA-LA	0.00	60.81	-0.05
5186	LA-LA	0.00	60.81	-0.05
5187	LA-LA	0.00	60.81	-0.05
5188	LA-LA	0.00	60.81	-0.05
5189	LA-LA	0.00	60.81	-0.05
5190	LA-LA	0.00	60.81	-0.05
5191	LA-LA	0.00	60.81	-0.05
5192	LA-LA	0.00	60.81	-0.05
5193	LA-LA	1.16	60.81	-0.05
5194	LA-LA	5.10	60.82	-0.05
5195	LA-LA	8.96	60.82	-0.05
5196	LA-LA	11.95	60.82	-0.05
5197	LA-LA	14.16	60.83	-0.05
5198	LA-LA	16.26	60.83	-0.05
5199	LA-LA	18.34	60.84	-0.05
5200	LA-LA	20.63	60.84	-0.05
5201	LA-LA	22.75	60.85	-0.30
5202	LA-LA	25.30	60.85	-0.30
5203	LA-LA	27.66	60.86	-0.30
5204	LA-LA	29.54	60.87	-0.30
5205	LA-LA	31.04	60.88	-0.30
5206	LA-LA	32.26	60.89	-0.30
5207	LA-LA	33.22	60.90	-0.30
5208	LA-LA	34.13	60.91	-0.30
5209	LA-LA	34.98	60.92	-0.30
5210	LA-LA	35.88	60.93	-0.30
5211	LA-LA	36.22	60.94	-0.30
5212	LA-LA	36.36	60.95	-0.30
5213	LA-LA	37.12	60.96	-0.39
5214	LA-LA	38.10	60.97	-0.39
5215	LA-LA	39.00	60.98	-0.39
5216	LA-LA	39.45	60.99	-0.39
5217	LA-LA	38.75	61.00	-0.39
5218	LA-LA	38.16	61.01	-0.39
5219	LA-LA	37.40	61.02	-0.39
5220	LA-LA	35.62	61.03	-0.39
5221	LA-LA	33.22	61.04	-0.39
5222	LA-LA	30.79	61.05	-0.39
5223	LA-LA	28.45	61.05	-0.71
5224	LA-LA	26.20	61.06	-0.71
5225	LA-LA	23.07	61.07	-0.71
5226	LA-LA	19.98	61.07	-0.71

Page 66 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
5071	LA-LA	17.96	60.39	-0.54
5072	LA-LA	19.78	60.40	-0.54
5073	LA-LA	21.73	60.41	-0.54
5074	LA-LA	23.26	60.41	-0.54
5075	LA-LA	23.57	60.42	-0.54
5076	LA-LA	24.47	60.43	-0.54
5077	LA-LA	25.63	60.43	-0.54
5078	LA-LA	25.82	60.44	-0.54
5079	LA-LA	26.13	60.45	-0.54
5080	LA-LA	26.95	60.45	-0.57
5081	LA-LA	27.06	60.46	-0.57
5082	LA-LA	28.17	60.47	-0.57
5083	LA-LA	29.36	60.48	-0.57
5084	LA-LA	30.17	60.49	-0.57
5085	LA-LA	29.58	60.49	-0.57
5086	LA-LA	29.51	60.50	-0.57
5087	LA-LA	29.39	60.51	-0.57
5088	LA-LA	28.94	60.52	-0.57
5089	LA-LA	28.92	60.53	-0.57
5090	LA-LA	29.19	60.53	-0.57
5091	LA-LA	29.01	60.54	-0.57
5092	LA-LA	29.72	60.55	-0.47
5093	LA-LA	30.02	60.56	-0.47
5094	LA-LA	29.86	60.57	-0.47
5095	LA-LA	29.29	60.57	-0.47
5096	LA-LA	28.39	60.58	-0.47
5097	LA-LA	27.47	60.59	-0.47
5098	LA-LA	26.89	60.60	-0.47
5099	LA-LA	27.22	60.60	-0.47
5100	LA-LA	28.78	60.61	-0.47
5101	LA-LA	30.65	60.62	-0.47
5102	LA-LA	32.25	60.63	-0.47
5103	LA-LA	33.22	60.64	-0.47
5104	LA-LA	32.77	60.65	-0.47
5105	LA-LA	31.57	60.66	-0.27
5106	LA-LA	31.39	60.67	-0.27
5107	LA-LA	30.66	60.67	-0.27
5108	LA-LA	29.66	60.68	-0.27
5109	LA-LA	28.81	60.69	-0.27
5110	LA-LA	28.21	60.70	-0.27
5111	LA-LA	28.78	60.71	-0.27
5112	LA-LA	28.64	60.71	-0.27
5113	LA-LA	28.28	60.72	-0.27
5114	LA-LA	28.55	60.73	-0.27
5115	LA-LA	27.94	60.74	-0.27
5116	LA-LA	28.12	60.74	-0.27
5117	LA-LA	28.14	60.75	-0.05
5118	LA-LA	27.26	60.76	-0.05
5119	LA-LA	26.87	60.77	-0.05
5120	LA-LA	25.68	60.77	-0.05
5121	LA-LA	23.48	60.78	-0.05
5122	LA-LA	21.22	60.79	-0.05
5123	LA-LA	18.76	60.79	-0.05
5124	LA-LA	16.66	60.80	-0.05
5125	LA-LA	14.74	60.80	-0.05
5126	LA-LA	12.79	60.80	-0.05
5127	LA-LA	10.76	60.81	-0.05
5128	LA-LA	8.65	60.81	-0.05
5129	LA-LA	6.22	60.81	-0.05
5130	LA-LA	4.70	60.81	-0.05
5131	LA-LA	3.68	60.81	-0.05
5132	LA-LA	2.66	60.81	-0.05
5133	LA-LA	1.67	60.81	-0.05
5134	LA-LA	0.52	60.81	-0.05
5135	LA-LA	0.00	60.81	-0.05
5136	LA-LA	0.00	60.81	-0.05
5137	LA-LA	0.00	60.81	-0.05
5138	LA-LA	0.00	60.81	-0.05
5139	LA-LA	0.00	60.81	-0.05
5140	LA-LA	0.00	60.81	-0.05
5141	LA-LA	0.00	60.81	-0.05
5142	LA-LA	0.00	60.81	-0.05
5143	LA-LA	0.00	60.81	-0.05
5144	LA-LA	0.00	60.81	-0.05
5145	LA-LA	0.00	60.81	-0.05
5146	LA-LA	0.00	60.81	-0.05
5147	LA-LA	0.00	60.81	-0.05
5148	LA-LA	0.00	60.81	-0.05

Page 68 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
5227	LA-LA	16.93	61.08	-0.71
5228	LA-LA	14.02	61.08	-0.71
5229	LA-LA	13.81	61.09	-0.71
5230	LA-LA	15.72	61.09	-0.71
5231	LA-LA	17.11	61.09	-0.71
5232	LA-LA	17.20	61.10	-0.71
5233	LA-LA	18.02	61.10	-0.71
5234	LA-LA	19.40	61.11	-0.71
5235	LA-LA	21.33	61.12	-0.71
5236	LA-LA	23.74	61.13	-0.71
5237	LA-LA	26.56	61.13	-0.71
5238	LA-LA	29.69	61.14	-0.71
5239	LA-LA	31.30	61.15	-0.71
5240	LA-LA	33.05	61.16	-0.25
5241	LA-LA	35.27	61.16	-0.25
5242	LA-LA	36.53	61.17	-0.25
5243	LA-LA	37.76	61.19	-0.25
5244	LA-LA	38.70	61.20	-0.25
5245	LA-LA	38.27	61.21	-0.25
5246	LA-LA	38.79	61.22	-0.25
5247	LA-LA	39.20	61.23	-0.25
5248	LA-LA	39.49	61.24	-0.25
5249	LA-LA	37.60	61.25	-0.25
5250	LA-LA	35.81	61.26	-0.08
5251	LA-LA	32.94	61.27	-0.08
5252	LA-LA	30.48	61.28	-0.08
5253	LA-LA	27.52	61.28	-0.08
5254	LA-LA	24.73	61.29	-0.08
5255	LA-LA	21.89	61.30	-0.08
5256	LA-LA	19.09	61.30	-0.08
5257	LA-LA	16.13	61.31	-0.08
5258	LA-LA	13.80	61.31	-0.08
5259	LA-LA	11.93	61.31	-0.08
5260	LA-LA	10.06	61.32	-0.08
5261	LA-LA	8.05	61.32	-0.08
5262	LA-LA	6.08	61.32	-0.08
5263	LA-LA	4.76	61.32	-0.08
5264	LA-LA	3.69	61.32	-0.08
5265	LA-LA	2.14	61.32	-0.08
5266	LA-LA	1.42	61.32	-0.08
5267	LA-LA	0.55	61.32	-0.08
5268	LA-LA	0.00	61.32	-0.08
5269	LA-LA	0.00	61.32	-0.08
5270	LA-LA	0.00	61.32	-0.08
5271	LA-LA	0.00	61.32	-0.08
5272	LA-LA	0.00	61.32	-0.08
5273	LA-LA	0.00	61.32	-0.08
5274	LA-LA	0.00	61.32	-0.08
5275	LA-LA	0.00	61.32	-0.08
5276	LA-LA	0.00	61.32	-0.08
5277	LA-LA	0.00	61.32	-0.08
5278	LA-LA	0.00	61.32	-0.08
5279	LA-LA	0.00	61.32	-0.08
5280	LA-LA	0.00	61.32	-0.08
5281	LA-LA	0.00	61.32	-0.08
5282	LA-LA	0.00	61.32	-0.08
5283	LA-LA	0.25	61.32	-0.08
5284	LA-LA	3.97	61.32	-0.08
5285	LA-LA	8.86	61.33	-0.08
5286	LA-LA	13.23	61.33	-0.08
5287	LA-LA	16.51	61.34	-0.08
5288	LA-LA	19.88	61.34	-0.08
5289	LA-LA	23.08	61.35	-0.08
5290	LA-LA	25.69	61.35	-0.08
5291	LA-LA	28.02	61.36	-0.23
5292	LA-LA	30.25	61.37	0.23
5293	LA-LA	32.51	61.38	0.23
5294	LA-LA	34.40	61.39	0.23
5295	LA-LA	35.15	61.40	0.23
5296	LA-LA	37.85	61.41	0.23
5297	LA-LA	39.40	61.42	0.23
5298	LA-LA	39.87	61.43	0.23
5299	LA-LA	39.90	61.44	0.23
5300	LA-LA	40.04	61.44	0.07
5301	LA-LA	40.82	61.46	0.07
5302	LA-LA	41.50	61.48	0.07
5303	LA-LA	40.96	61.49	0.07
5304	LA-LA	40.29	61.50	0.07

Page 69 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
S305	LA-LA	39.26	61.51	0.07
S306	LA-LA	37.31	61.52	0.07
S307	LA-LA	35.02	61.53	0.07
S308	LA-LA	32.53	61.54	0.07
S309	LA-LA	29.99	61.55	0.07
S310	LA-LA	27.53	61.55	-0.39
S311	LA-LA	24.71	61.56	-0.39
S312	LA-LA	21.79	61.57	-0.39
S313	LA-LA	20.51	61.57	-0.39
S314	LA-LA	18.39	61.58	-0.39
S315	LA-LA	14.80	61.58	-0.39
S316	LA-LA	10.95	61.58	-0.39
S317	LA-LA	7.07	61.59	-0.39
S318	LA-LA	6.28	61.59	-0.39
S319	LA-LA	8.04	61.59	-0.39
S320	LA-LA	10.44	61.59	-0.39
S321	LA-LA	13.24	61.60	-0.39
S322	LA-LA	16.34	61.60	-0.39
S323	LA-LA	19.89	61.61	-0.39
S324	LA-LA	23.32	61.61	-0.39
S325	LA-LA	26.27	61.62	-0.39
S326	LA-LA	28.84	61.63	-0.39
S327	LA-LA	31.32	61.64	-0.39
S328	LA-LA	33.66	61.65	-0.39
S329	LA-LA	35.15	61.65	-0.65
S330	LA-LA	37.12	61.66	-0.65
S331	LA-LA	38.82	61.68	-0.65
S332	LA-LA	40.42	61.69	-0.65
S333	LA-LA	41.77	61.70	-0.65
S334	LA-LA	42.87	61.71	-0.65
S335	LA-LA	43.05	61.72	-0.65
S336	LA-LA	43.50	61.73	-0.65
S337	LA-LA	44.21	61.75	-0.65
S338	LA-LA	44.93	61.76	-0.55
S339	LA-LA	45.59	61.77	-0.55
S340	LA-LA	45.62	61.78	-0.55
S341	LA-LA	44.99	61.80	-0.55
S342	LA-LA	44.24	61.81	-0.55
S343	LA-LA	43.86	61.82	-0.55
S344	LA-LA	43.65	61.83	-0.55
S345	LA-LA	42.48	61.84	-0.55
S346	LA-LA	40.21	61.85	-0.40
S347	LA-LA	37.57	61.87	-0.40
S348	LA-LA	35.21	61.87	-0.40
S349	LA-LA	32.72	61.88	-0.40
S350	LA-LA	30.85	61.89	-0.40
S351	LA-LA	30.77	61.90	-0.40
S352	LA-LA	31.80	61.91	-0.40
S353	LA-LA	33.94	61.92	-0.40
S354	LA-LA	36.35	61.93	-0.40
S355	LA-LA	38.68	61.94	-0.40
S356	LA-LA	39.41	61.95	-0.47
S357	LA-LA	38.70	61.96	-0.47
S358	LA-LA	38.04	61.97	-0.47
S359	LA-LA	37.29	61.98	-0.47
S360	LA-LA	36.58	61.99	-0.47
S361	LA-LA	35.63	62.00	-0.47
S362	LA-LA	33.49	62.01	-0.47
S363	LA-LA	30.89	62.02	-0.47
S364	LA-LA	27.91	62.03	-0.47
S365	LA-LA	24.82	62.03	-0.47
S366	LA-LA	21.86	62.04	-0.47
S367	LA-LA	18.91	62.04	-0.47
S368	LA-LA	16.09	62.05	-0.47
S369	LA-LA	13.03	62.05	-0.55
S370	LA-LA	9.86	62.06	-0.55
S371	LA-LA	6.62	62.06	-0.55
S372	LA-LA	4.55	62.06	-0.55
S373	LA-LA	2.81	62.06	-0.55
S374	LA-LA	0.73	62.06	-0.55
S375	LA-LA	0.00	62.06	-0.55
S376	LA-LA	0.00	62.06	-0.55
S377	LA-LA	0.00	62.06	-0.55
S378	LA-LA	0.00	62.06	-0.55
S379	LA-LA	0.00	62.06	-0.55
S380	LA-LA	0.00	62.06	-0.55
S381	LA-LA	0.00	62.06	-0.55
S382	LA-LA	0.00	62.06	-0.55

Page 71 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
S461	LA-LA	32.95	62.64	0.20
S462	LA-LA	34.64	62.65	0.20
S463	LA-LA	36.06	62.66	0.35
S464	LA-LA	37.30	62.67	0.35
S465	LA-LA	38.14	62.68	0.35
S466	LA-LA	37.42	62.69	0.35
S467	LA-LA	37.47	62.70	0.35
S468	LA-LA	38.36	62.71	0.35
S469	LA-LA	39.32	62.72	0.35
S470	LA-LA	40.12	62.73	0.35
S471	LA-LA	40.99	62.74	0.35
S472	LA-LA	41.08	62.75	0.25
S473	LA-LA	40.57	62.76	0.25
S474	LA-LA	41.03	62.77	0.25
S475	LA-LA	41.49	62.79	0.25
S476	LA-LA	40.97	62.80	0.25
S477	LA-LA	40.40	62.81	0.25
S478	LA-LA	39.68	62.82	0.25
S479	LA-LA	38.53	62.83	0.25
S480	LA-LA	36.74	62.84	0.25
S481	LA-LA	34.57	62.85	0.25
S482	LA-LA	31.76	62.86	0.37
S483	LA-LA	29.49	62.87	0.37
S484	LA-LA	28.91	62.87	0.37
S485	LA-LA	29.48	62.88	0.37
S486	LA-LA	30.73	62.89	0.37
S487	LA-LA	32.31	62.90	0.37
S488	LA-LA	33.78	62.91	0.37
S489	LA-LA	34.99	62.92	0.37
S490	LA-LA	35.35	62.93	0.37
S491	LA-LA	34.46	62.94	0.37
S492	LA-LA	33.48	62.95	0.37
S493	LA-LA	31.80	62.96	0.88
S494	LA-LA	29.24	62.96	0.88
S495	LA-LA	26.21	62.97	0.88
S496	LA-LA	23.19	62.98	0.88
S497	LA-LA	20.35	62.98	0.88
S498	LA-LA	16.46	62.99	0.88
S499	LA-LA	12.23	62.99	0.88
S500	LA-LA	7.67	62.99	0.88
S501	LA-LA	3.28	62.99	0.88
S502	LA-LA	0.66	62.99	0.88
S503	LA-LA	0.45	62.99	0.88
S504	LA-LA	3.24	63.00	0.88
S505	LA-LA	7.61	63.00	0.88
S506	LA-LA	12.42	63.00	0.88
S507	LA-LA	13.72	63.00	0.88
S508	LA-LA	13.36	63.01	0.88
S509	LA-LA	11.75	63.01	0.88
S510	LA-LA	8.48	63.01	0.88
S511	LA-LA	4.90	63.02	0.88
S512	LA-LA	2.94	63.02	0.88
S513	LA-LA	3.18	63.02	0.88
S514	LA-LA	3.04	63.02	0.88
S515	LA-LA	3.75	63.02	0.88
S516	LA-LA	5.90	63.02	0.88
S517	LA-LA	10.55	63.02	0.88
S518	LA-LA	15.05	63.03	0.88
S519	LA-LA	18.67	63.03	0.88
S520	LA-LA	22.26	63.04	0.88
S521	LA-LA	25.21	63.05	0.88
S522	LA-LA	27.26	63.05	0.37
S523	LA-LA	29.15	63.06	0.37
S524	LA-LA	30.76	63.07	0.37
S525	LA-LA	32.62	63.08	0.37
S526	LA-LA	32.90	63.09	0.37
S527	LA-LA	34.21	63.10	0.37
S528	LA-LA	35.42	63.11	0.37
S529	LA-LA	36.48	63.12	0.37
S530	LA-LA	37.56	63.13	0.37
S531	LA-LA	38.48	63.14	0.37
S532	LA-LA	39.55	63.15	0.37
S533	LA-LA	40.44	63.16	0.62
S534	LA-LA	40.96	63.17	0.62
S535	LA-LA	40.65	63.18	0.62
S536	LA-LA	39.61	63.19	0.62
S537	LA-LA	38.70	63.20	0.62
S538	LA-LA	37.86	63.21	0.62

Page 70 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
S383	LA-LA	0.00	62.06	-0.55
S384	LA-LA	0.00	62.06	-0.55
S385	LA-LA	0.00	62.06	-0.55
S386	LA-LA	0.00	62.06	-0.55
S387	LA-LA	0.00	62.06	-0.55
S388	LA-LA	0.00	62.06	-0.55
S389	LA-LA	0.00	62.06	-0.55
S390	LA-LA	0.51	62.06	-0.55
S391	LA-LA	3.90	62.06	-0.55
S392	LA-LA	7.65	62.06	-0.55
S393	LA-LA	11.45	62.07	-0.55
S394	LA-LA	14.81	62.07	-0.55
S395	LA-LA	18.69	62.08	-0.55
S396	LA-LA	22.50	62.08	-0.55
S397	LA-LA	26.13	62.09	-0.55
S398	LA-LA	29.09	62.10	-0.55
S399	LA-LA	31.61	62.11	-0.55
S400	LA-LA	34.09	62.11	-0.55
S401	LA-LA	36.38	62.12	-0.55
S402	LA-LA	38.61	62.14	-0.55
S403	LA-LA	40.55	62.15	-0.55
S404	LA-LA	42.18	62.16	-0.56
S405	LA-LA	43.22	62.17	-0.56
S406	LA-LA	44.03	62.18	-0.56
S407	LA-LA	43.75	62.19	-0.56
S408	LA-LA	43.28	62.21	-0.56
S409	LA-LA	43.20	62.22	-0.56
S410	LA-LA	42.71	62.23	-0.56
S411	LA-LA	43.25	62.24	-0.56
S412	LA-LA	43.79	62.25	-0.41
S413	LA-LA	43.49	62.27	-0.41
S414	LA-LA	42.95	62.28	-0.41
S415	LA-LA	42.25	62.29	-0.41
S416	LA-LA	41.57	62.30	-0.41
S417	LA-LA	40.86	62.31	-0.41
S418	LA-LA	40.17	62.32	-0.41
S419	LA-LA	40.22	62.33	-0.41
S420	LA-LA	40.50	62.34	-0.41
S421	LA-LA	41.88	62.36	-0.59
S422	LA-LA	43.04	62.37	-0.59
S423	LA-LA	43.51	62.38	-0.59
S424	LA-LA	44.45	62.39	-0.59
S425	LA-LA	44.86	62.40	-0.59
S426	LA-LA	45.34	62.42	-0.59
S427	LA-LA	45.60	62.43	-0.59
S428	LA-LA	45.07	62.44	-0.59
S429	LA-LA	44.37	62.45	-0.73
S430	LA-LA	43.66	62.47	-0.73
S431	LA-LA	43.01	62.48	-0.73
S432	LA-LA	42.20	62.49	-0.73
S433	LA-LA	40.26	62.50	-0.73
S434	LA-LA	37.87	62.51	-0.73
S435	LA-LA	35.05	62.52	-0.73
S436	LA-LA	31.92	62.53	-0.73
S437	LA-LA	30.73	62.54	-0.73
S438	LA-LA	29.71	62.55	-0.73
S439	LA-LA	26.83	62.55	0.20
S440	LA-LA	22.26	62.56	0.20
S441	LA-LA	17.12	62.56	0.20
S442	LA-LA	11.54	62.57	0.20
S443	LA-LA	6.20	62.57	0.20
S444	LA-LA	2.17	62.57	0.20
S445	LA-LA	0.00	62.57	0.20
S446	LA-LA	0.00	62.57	0.20
S447	LA-LA	0.00	62.57	0.20
S448	LA-LA	0.00	62.57	0.20
S449	LA-LA	2.34	62.57	0.20
S450	LA-LA	5.75	62.57	0.20
S451	LA-LA	9.12	62.57	0.20
S452	LA-LA	11.30	62.58	0.20
S453	LA-LA	13.24	62.58	0.20
S454	LA-LA	15.33	62.59	0.20
S455	LA-LA	18.51	62.59	0.20
S456	LA-LA	21.82	62.60	0.20
S457	LA-LA	24.72	62.60	0.20
S458	LA-LA	27.15	62.61	0.20
S459	LA-LA	29.27	62.62	0.20
S460	LA-LA	31.37	62.63	0.20

Page 72 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
S539	LA-LA	36.75	63.22	0.62
S540	LA-LA	35.11	63.23	0.62
S541	LA-LA	33.04	63.24	0.62
S542	LA-LA	31.71	63.25	0.65

Page 73 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
5617	LA-LA	23.68	63.70	1.12
5618	LA-LA	23.46	63.71	1.12
5619	LA-LA	24.00	63.72	1.12
5620	LA-LA	24.27	63.72	1.12
5621	LA-LA	24.76	63.73	1.12
5622	LA-LA	26.20	63.74	1.12
5623	LA-LA	28.04	63.74	1.12
5624	LA-LA	28.42	63.75	1.12
5625	LA-LA	27.64	63.76	1.12
5626	LA-LA	25.93	63.77	1.12
5627	LA-LA	23.51	63.77	1.12
5628	LA-LA	20.99	63.78	1.12
5629	LA-LA	18.56	63.78	1.12
5630	LA-LA	16.08	63.79	1.12
5631	LA-LA	13.80	63.79	1.12
5632	LA-LA	13.21	63.80	1.12
5633	LA-LA	12.48	63.80	1.12
5634	LA-LA	10.90	63.80	1.12
5635	LA-LA	8.79	63.80	1.12
5636	LA-LA	6.13	63.81	1.12
5637	LA-LA	4.02	63.81	1.12
5638	LA-LA	2.52	63.81	1.12
5639	LA-LA	0.89	63.81	1.12
5640	LA-LA	0.00	63.81	1.12
5641	LA-LA	0.00	63.81	1.12
5642	LA-LA	0.00	63.81	1.12
5643	LA-LA	0.00	63.81	1.12
5644	LA-LA	0.00	63.81	1.12
5645	LA-LA	0.34	63.81	1.12
5646	LA-LA	0.47	63.81	1.12
5647	LA-LA	0.00	63.81	1.12
5648	LA-LA	0.00	63.81	1.12
5649	LA-LA	0.00	63.81	1.12
5650	LA-LA	0.00	63.81	1.12
5651	LA-LA	0.32	63.81	1.12
5652	LA-LA	0.71	63.81	1.12
5653	LA-LA	0.00	63.81	1.12
5654	LA-LA	0.00	63.81	1.12
5655	LA-LA	0.00	63.81	1.12
5656	LA-LA	0.00	63.81	1.12
5657	LA-LA	0.00	63.81	1.12
5658	LA-LA	0.00	63.81	1.12
5659	LA-LA	0.00	63.81	1.12
5660	LA-LA	0.00	63.81	1.12
5661	LA-LA	0.00	63.81	1.12
5662	LA-LA	0.00	63.81	1.12
5663	LA-LA	0.00	63.81	1.12
5664	LA-LA	0.00	63.81	1.12
5665	LA-LA	0.00	63.81	1.12
5666	LA-LA	0.00	63.81	1.12
5667	LA-LA	0.00	63.81	1.12
5668	LA-LA	0.00	63.81	1.12
5669	LA-LA	0.00	63.81	1.12
5670	LA-LA	0.00	63.81	1.12
5671	LA-LA	0.00	63.81	1.12
5672	LA-LA	0.00	63.81	1.12
5673	LA-LA	0.00	63.81	1.12
5674	LA-LA	0.00	63.81	1.12
5675	LA-LA	0.00	63.81	1.12
5676	LA-LA	0.00	63.81	1.12
5677	LA-LA	1.20	63.81	1.12
5678	LA-LA	4.71	63.81	1.12
5679	LA-LA	10.18	63.81	1.12
5680	LA-LA	14.41	63.82	1.12
5681	LA-LA	17.71	63.82	1.12
5682	LA-LA	21.11	63.83	1.12
5683	LA-LA	24.40	63.83	1.12
5684	LA-LA	27.26	63.84	1.12
5685	LA-LA	29.59	63.85	1.12
5686	LA-LA	32.06	63.86	1.12
5687	LA-LA	33.79	63.87	1.12
5688	LA-LA	35.05	63.88	1.12
5689	LA-LA	35.50	63.89	1.12
5690	LA-LA	35.27	63.90	1.12
5691	LA-LA	36.04	63.91	1.12
5692	LA-LA	36.49	63.92	1.12
5693	LA-LA	37.22	63.93	1.12
5694	LA-LA	37.80	63.94	1.12

Page 75 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
5773	LA-LA	0.00	64.28	-0.15
5774	LA-LA	0.00	64.28	-0.15
5775	LA-LA	0.00	64.28	-0.15
5776	LA-LA	0.00	64.28	-0.15
5777	LA-LA	0.00	64.28	-0.15
5778	LA-LA	0.00	64.28	-0.15
5779	LA-LA	0.00	64.28	-0.15
5780	LA-LA	0.00	64.28	-0.15
5781	LA-LA	0.00	64.28	-0.15
5782	LA-LA	0.00	64.28	-0.15
5783	LA-LA	0.00	64.28	-0.15
5784	LA-LA	0.00	64.28	-0.15
5785	LA-LA	0.00	64.28	-0.15
5786	LA-LA	0.00	64.28	-0.15
5787	LA-LA	0.00	64.28	-0.15
5788	LA-LA	0.00	64.28	-0.15
5789	LA-LA	1.22	64.28	-0.15
5790	LA-LA	5.79	64.28	-0.15
5791	LA-LA	10.06	64.28	-0.15
5792	LA-LA	13.73	64.28	-0.15
5793	LA-LA	16.75	64.29	-0.15
5794	LA-LA	19.76	64.29	-0.15
5795	LA-LA	21.61	64.30	-0.15
5796	LA-LA	21.41	64.31	-0.15
5797	LA-LA	22.03	64.31	-0.15
5798	LA-LA	23.93	64.32	-0.15
5799	LA-LA	25.95	64.33	-0.15
5800	LA-LA	27.42	64.33	-0.15
5801	LA-LA	28.44	64.34	-0.15
5802	LA-LA	28.99	64.35	-0.15
5803	LA-LA	28.58	64.36	-0.18
5804	LA-LA	28.43	64.37	-0.18
5805	LA-LA	29.03	64.37	-0.18
5806	LA-LA	28.09	64.38	-0.18
5807	LA-LA	26.64	64.39	-0.18
5808	LA-LA	22.88	64.39	-0.18
5809	LA-LA	20.26	64.40	-0.18
5810	LA-LA	19.02	64.41	-0.18
5811	LA-LA	18.80	64.41	-0.18
5812	LA-LA	18.75	64.42	-0.18
5813	LA-LA	18.57	64.42	-0.18
5814	LA-LA	18.54	64.43	-0.18
5815	LA-LA	18.89	64.43	-0.18
5816	LA-LA	21.24	64.44	-0.18
5817	LA-LA	24.55	64.44	-0.18
5818	LA-LA	26.97	64.45	-0.35
5819	LA-LA	29.40	64.46	-0.35
5820	LA-LA	31.22	64.47	-0.35
5821	LA-LA	31.46	64.48	-0.35
5822	LA-LA	31.14	64.48	-0.35
5823	LA-LA	31.18	64.49	-0.35
5824	LA-LA	30.03	64.50	-0.35
5825	LA-LA	27.14	64.51	-0.35
5826	LA-LA	23.91	64.52	-0.35
5827	LA-LA	20.79	64.52	-0.35
5828	LA-LA	17.73	64.53	-0.35
5829	LA-LA	15.67	64.53	-0.35
5830	LA-LA	14.62	64.53	-0.35
5831	LA-LA	13.39	64.54	-0.35
5832	LA-LA	11.26	64.54	-0.35
5833	LA-LA	8.40	64.54	-0.35
5834	LA-LA	4.73	64.54	-0.35
5835	LA-LA	1.99	64.55	-0.35
5836	LA-LA	0.14	64.55	-0.35
5837	LA-LA	0.00	64.55	-0.35
5838	LA-LA	0.00	64.55	-0.35
5839	LA-LA	0.00	64.55	-0.35
5840	LA-LA	0.00	64.55	-0.35
5841	LA-LA	0.00	64.55	-0.35
5842	LA-LA	0.00	64.55	-0.35
5843	LA-LA	0.00	64.55	-0.35
5844	LA-LA	0.00	64.55	-0.35
5845	LA-LA	0.00	64.55	-0.35
5846	LA-LA	0.00	64.55	-0.35
5847	LA-LA	0.00	64.55	-0.35
5848	LA-LA	0.00	64.55	-0.35
5849	LA-LA	0.00	64.55	-0.35
5850	LA-LA	0.00	64.55	-0.35

Page 74 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
5695	LA-LA	38.28	63.95	1.12
5696	LA-LA	37.91	63.96	-0.33
5697	LA-LA	37.88	63.97	-0.33
5698	LA-LA	38.62	63.98	-0.33
5699	LA-LA	39.26	63.99	-0.33
5700	LA-LA	39.76	64.00	-0.33
5701	LA-LA	39.17	64.01	-0.33
5702	LA-LA	38.48	64.02	-0.33
5703	LA-LA	37.95	64.03	-0.33
5704	LA-LA	38.31	64.04	-0.33
5705	LA-LA	37.89	64.05	-0.24
5706	LA-LA	37.11	64.06	-0.24
5707	LA-LA	37.59	64.08	-0.24
5708	LA-LA	38.06	64.09	-0.24
5709	LA-LA	37.52	64.10	-0.24
5710	LA-LA	36.78	64.11	-0.24
5711	LA-LA	36.06	64.12	-0.24
5712	LA-LA	35.43	64.13	-0.24
5713	LA-LA	34.81	64.14	-0.24
5714	LA-LA	33.85	64.14	-0.24
5715	LA-LA	32.05	64.15	-0.15
5716	LA-LA	30.56	64.16	-0.15
5717	LA-LA	30.12	64.17	-0.15
5718	LA-LA	30.97	64.18	-0.15
5719	LA-LA	31.52	64.19	-0.15
5720	LA-LA	30.99	64.20	-0.15
5721	LA-LA	28.78	64.20	-0.15
5722	LA-LA	25.85	64.21	-0.15
5723	LA-LA	22.92	64.22	-0.15
5724	LA-LA	20.56	64.22	-0.15
5725	LA-LA	18.87	64.23	-0.15
5726	LA-LA	17.53	64.23	-0.15
5727	LA-LA	17.94	64.24	-0.15
5728	LA-LA	18.56	64.24	-0.15
5729	LA-LA	17.82	64.25	-0.15
5730	LA-LA	15.94	64.25	-0.15
5731	LA-LA	14.13	64.26	-0.15
5732	LA-LA	12.61	64.26	-0.15
5733	LA-LA	11.25	64.26	-0.15
5734	LA-LA	9.91	64.27	-0.15
5735	LA-LA	8.42	64.27	-0.15
5736	LA-LA	6.74	64.27	-0.15
5737	LA-LA	5.37	64.27	-0.15
5738	LA-LA	4.54	64.27	-0.15
5739	LA-LA	3.85	64.27	-0.15
5740	LA-LA	3.24	64.27	-0.15
5741	LA-LA	2.48	64.27	-0.15
5742	LA-LA	2.11	64.28	-0.15
5743	LA-LA	1.59	64.28	-0.15
5744	LA-LA	1.03	64.28	-0.15
5745	LA-LA	0.00	64.28	-0.15
5746	LA-LA	0.00	64.28	-0.15
5747	LA-LA	0.00	64.28	-0.15
5748	LA-LA	0.00	64.28	-0.15
5749	LA-LA	0.00	64.28	-0.15
5750	LA-LA	0.00	64.28	-0.15
5751	LA-LA	0.00	64.28	-0.15
5752	LA-LA	0.00	64.28	-0.15
5753	LA-LA	0.00	64.28	-0.15
5754	LA-LA	0.00	64.28	-0.15
5755	LA-LA	0.00	64.28	-0.15
5756	LA-LA	0.00	64.28	-0.15
5757	LA-LA	0.00	64.28	-0.15
5758	LA-LA	0.00	64.28	-0.15
5759	LA-LA	0.00	64.28	-0.15
5760	LA-LA	0.00	64.28	-0.15
5761	LA-LA	0.00	64.28	-0.15
5762	LA-LA	0.00	64.28	-0.15
5763	LA-LA	0.00	64.28	-0.15
5764	LA-LA	0.00	64.28	-0.15
5765	LA-LA	0.00	64.28	-0.15
5766	LA-LA	0.00	64.28	-0.15
5767	LA-LA	0.00	64.28	-0.15
5768	LA-LA	0.00	64.28	-0.15
5769	LA-LA	0.00	64.28	-0.15
5770	LA-LA	0.00	64.28	-0.15
5771	LA-LA	0.00	64.28	-0.15
5772	LA-LA	0.00	64.28	-0.15

Page 76 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
5851	LA-LA	0.00	64.55	-0.35
5852	LA-LA	0.00	64.55	-0.35
5853	LA-LA	0.00	64.55	-0.35
5854	LA-LA	0.00	64.55	-0.35
5855	LA-LA	0.00	64.55	-0.35
5856	LA-LA	0.00	64.55	-0.35
5857	LA-LA	0.00	64.55	-0.35
5858	LA-LA	0.00	64.55	-0.35
5859	LA-LA	0.00	64.55	-0.35
5860	LA-LA	0.00	64.55	-0.35
5861	LA-LA	0.00	64.55	-0.35
5862	LA-LA	0.00	64.55	-0.35
5863	LA-LA	0.00	64.55	-0.35
5864	LA-LA	0.00	64.55	-0.35
5865	LA-LA	0.00	64.55	-0.35
5866	LA-LA	0.00	64.55	-0.35
5867	LA-LA	0.00	64.55	-0.35
5868	LA-LA	0.00	64.55	-0.35
5869	LA-LA	0.00	64.55	-0.35
5870	LA-LA	0.00	64.55	-0.35
5871	LA-LA	0.00	64.55	-0.35
5872	LA-LA	0.00	64.55	-0.35
5873	LA-LA	0.00	64.55	-0.35
5874	LA-LA	0.00	64.55	-0.35
5875	LA-LA	0.54	64.55	-0.35
5876	LA-LA	2.59	64.55	-0.35
5877	LA-LA	6.48	64.55	-0.35
5878	LA-LA	11.16	64.55	-2.51
5879	LA-LA	14.71	64.56	-2.51
5880	LA-LA	17.87	64.56	-2.51
5881	LA-LA	20.98	64.57	-2.51
5882	LA-LA	24.37	64.57	-2.51
5883	LA-LA	27.46	64.58	-2.51
5884	LA-LA	30.42	64.59	-2.51
5885	LA-LA	32.23	64.60	-2.51
5886	LA-LA	33.21	64.61	-2.51
5887	LA-LA	33.98	64.62	-2.51
5888	LA-LA	34.38	64.63	-2.51
5889	LA-LA	34.49	64.63	-2.51
5890	LA-LA	35.65	64.64	-2.51
5891	LA-LA	36.48	64.65	-2.03
5892	LA-LA	36.66	64.66	-2.03
5893	LA-LA	36.27	64.67	-2.03
5894	LA-LA	35.92	64.68	-2.03
5895	LA-LA	35.35	64.69	-2.03
5896	LA-LA	35.16	64.70	-2.03
5897	LA-LA	34.71	64.71	-2.03
5898	LA-LA	33.65	64.72	-2.03
5899	LA-LA	32.31	64.73	-2.03
5900	LA-LA	30.72	64.74	-2.03
5901	LA-LA	29.11	64.75	-2.03
5902	LA-LA	27.34	64.76	0.73
5903	LA-LA	25.74	64.76	0.73
5904	LA-LA	24.21	64.77	0.73
5905	LA-LA	21.49	64.78	0.73
5906	LA-LA	18.58	64.78	0.73
5907	LA-LA	14.73	64.78	0.73
5908	LA-LA	11.34	64.79	0.73
5909	LA-LA	8.90	64.79	0.73
5910	LA-LA	6.51	64.79	0.73
5911	LA-LA	5.95	64.79	0.73
5912	LA-LA	5.74	64.80	0.73
5913	LA-LA	6.45	64.80	0.73
5914	LA-LA	9.61	64.80	0.73
5915	LA-LA	15.52	64.80	0.73
5916	LA-LA	12.58	64.81	0.73
5917	LA-LA	17.91	64.81	0.73
5918	LA-LA	20.65	64.82	0.73
5919	LA-LA	23.28	64.82	0.73
5920	LA-LA	25.25	64.83	0.73
5921	LA-LA	27.11	64.84	0.73
5922	LA-LA	28.59	64.85	0.73
5923	LA-LA	29.17	64.85	2.28
5924	LA-LA	29.56	64.86	2.28
5925	LA-LA	29.09	64.87	2.28
5926	LA-LA	28.14	64.88	2.28
5927	LA-LA	27.69	64.89	2.28
5928	LA-LA	26.15	64.89	2.28

Page 77 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
5929	LA-LA	23.21	64.90	2.28
5930	LA-LA	19.67	64.90	2.28
5931	LA-LA	15.88	64.91	2.28
5932	LA-LA	12.23	64.91	2.28
5933	LA-LA	9.55	64.92	2.28
5934	LA-LA	7.28	64.92	2.28
5935	LA-LA	6.14	64.92	2.28
5936	LA-LA	5.45	64.92	2.28
5937	LA-LA	5.07	64.92	2.28
5938	LA-LA	4.53	64.92	2.28
5939	LA-LA	3.33	64.92	2.28
5940	LA-LA	2.64	64.92	2.28
5941	LA-LA	2.66	64.93	2.28
5942	LA-LA	2.42	64.93	2.28
5943	LA-LA	1.38	64.93	2.28
5944	LA-LA	0.16	64.93	2.28
5945	LA-LA	0.00	64.93	2.28
5946	LA-LA	0.00	64.93	2.28
5947	LA-LA	0.00	64.93	2.28
5948	LA-LA	0.00	64.93	2.28
5949	LA-LA	0.00	64.93	2.28
5950	LA-LA	0.00	64.93	2.28
5951	LA-LA	0.00	64.93	2.28
5952	LA-LA	0.00	64.93	2.28
5953	LA-LA	0.00	64.93	2.28
5954	LA-LA	0.00	64.93	2.28
5955	LA-LA	0.00	64.93	2.28
5956	LA-LA	0.00	64.93	2.28
5957	LA-LA	0.00	64.93	2.28
5958	LA-LA	0.00	64.93	2.28
5959	LA-LA	0.00	64.93	2.28
5960	LA-LA	0.00	64.93	2.28
5961	LA-LA	0.00	64.93	2.28
5962	LA-LA	0.00	64.93	2.28
5963	LA-LA	0.00	64.93	2.28
5964	LA-LA	0.00	64.93	2.28
5965	LA-LA	0.65	64.93	2.28
5966	LA-LA	1.07	64.93	2.28
5967	LA-LA	1.48	64.93	2.28
5968	LA-LA	3.46	64.93	2.28
5969	LA-LA	5.56	64.93	2.28
5970	LA-LA	8.19	64.93	2.28
5971	LA-LA	11.42	64.94	2.28
5972	LA-LA	14.49	64.94	2.28
5973	LA-LA	17.93	64.94	2.28
5974	LA-LA	21.43	64.95	-0.52
5975	LA-LA	24.64	64.96	-0.52
5976	LA-LA	27.22	64.96	-0.52
5977	LA-LA	29.50	64.97	-0.52
5978	LA-LA	31.54	64.98	-0.52
5979	LA-LA	33.04	64.99	-0.52
5980	LA-LA	34.55	65.00	-0.52
5981	LA-LA	35.06	65.01	-0.52
5982	LA-LA	34.40	65.02	-0.52
5983	LA-LA	33.55	65.03	-0.52
5984	LA-LA	33.74	65.04	-0.52
5985	LA-LA	34.52	65.05	-0.52
5986	LA-LA	35.46	65.06	-1.59
5987	LA-LA	36.08	65.07	-1.59
5988	LA-LA	35.97	65.08	-1.59
5989	LA-LA	35.50	65.09	-1.59
5990	LA-LA	35.10	65.10	-1.59
5991	LA-LA	34.11	65.11	-1.59
5992	LA-LA	32.44	65.11	-1.59
5993	LA-LA	30.13	65.12	-1.59
5994	LA-LA	27.93	65.13	-1.59
5995	LA-LA	25.72	65.14	-1.59
5996	LA-LA	23.32	65.14	-1.59
5997	LA-LA	20.93	65.15	-1.59
5998	LA-LA	18.33	65.15	-0.45
5999	LA-LA	15.40	65.16	-0.45
6000	LA-LA	12.43	65.16	-0.45
6001	LA-LA	9.94	65.16	-0.45
6002	LA-LA	7.82	65.17	-0.45
6003	LA-LA	6.80	65.17	-0.45
6004	LA-LA	8.58	65.17	-0.45
6005	LA-LA	12.40	65.17	-0.45
6006	LA-LA	15.33	65.18	-0.45

Page 79 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
6085	LA-LA	31.38	65.49	0.62
6086	LA-LA	32.41	65.49	0.62
6087	LA-LA	31.81	65.50	0.62
6088	LA-LA	30.99	65.51	0.62
6089	LA-LA	30.05	65.52	0.62
6090	LA-LA	28.91	65.53	0.62
6091	LA-LA	27.76	65.54	0.62
6092	LA-LA	27.82	65.54	0.62
6093	LA-LA	29.00	65.55	0.20
6094	LA-LA	30.27	65.56	0.20
6095	LA-LA	31.60	65.57	0.20
6096	LA-LA	33.11	65.58	0.20
6097	LA-LA	34.78	65.59	0.20
6098	LA-LA	36.36	65.60	0.20
6099	LA-LA	36.84	65.61	0.20
6100	LA-LA	36.39	65.62	0.20
6101	LA-LA	37.10	65.63	0.20
6102	LA-LA	37.42	65.64	0.20
6103	LA-LA	36.90	65.65	0.20
6104	LA-LA	35.87	65.66	-0.02
6105	LA-LA	33.78	65.67	-0.02
6106	LA-LA	31.07	65.67	-0.02
6107	LA-LA	28.58	65.68	-0.02
6108	LA-LA	25.73	65.69	-0.02
6109	LA-LA	22.61	65.70	-0.02
6110	LA-LA	19.30	65.70	-0.02
6111	LA-LA	16.05	65.71	-0.02
6112	LA-LA	13.22	65.71	-0.02
6113	LA-LA	10.55	65.71	-0.02
6114	LA-LA	7.81	65.71	-0.02
6115	LA-LA	5.17	65.72	-0.02
6116	LA-LA	3.51	65.72	-0.02
6117	LA-LA	1.93	65.72	-0.02
6118	LA-LA	0.19	65.72	-0.02
6119	LA-LA	0.00	65.72	-0.02
6120	LA-LA	0.00	65.72	-0.02
6121	LA-LA	0.00	65.72	-0.02
6122	LA-LA	0.00	65.72	-0.02
6123	LA-LA	0.00	65.72	-0.02
6124	LA-LA	0.00	65.72	-0.02
6125	LA-LA	0.00	65.72	-0.02
6126	LA-LA	0.00	65.72	-0.02
6127	LA-LA	0.00	65.72	-0.02
6128	LA-LA	0.00	65.72	-0.02
6129	LA-LA	0.00	65.72	-0.02
6130	LA-LA	0.00	65.72	-0.02
6131	LA-LA	0.00	65.72	-0.02
6132	LA-LA	0.00	65.72	-0.02
6133	LA-LA	0.00	65.72	-0.02
6134	LA-LA	0.00	65.72	-0.02
6135	LA-LA	0.00	65.72	-0.02
6136	LA-LA	0.00	65.72	-0.02
6137	LA-LA	1.24	65.72	-0.02
6138	LA-LA	1.66	65.72	-0.02
6139	LA-LA	2.45	65.72	-0.02
6140	LA-LA	4.89	65.72	-0.02
6141	LA-LA	9.32	65.72	-0.02
6142	LA-LA	12.94	65.73	-0.02
6143	LA-LA	15.82	65.73	-0.02
6144	LA-LA	18.82	65.74	-0.02
6145	LA-LA	21.56	65.74	-0.02
6146	LA-LA	23.93	65.75	-0.02
6147	LA-LA	25.74	65.76	1.31
6148	LA-LA	26.35	65.76	1.31
6149	LA-LA	25.88	65.77	1.31
6150	LA-LA	25.53	65.78	1.31
6151	LA-LA	26.17	65.78	1.31
6152	LA-LA	26.76	65.79	1.31
6153	LA-LA	26.58	65.80	1.31
6154	LA-LA	26.62	65.81	1.31
6155	LA-LA	26.59	65.81	1.31
6156	LA-LA	26.98	65.82	1.31
6157	LA-LA	27.90	65.83	1.31
6158	LA-LA	28.96	65.84	1.31
6159	LA-LA	30.16	65.84	1.31
6160	LA-LA	31.84	65.85	0.62
6161	LA-LA	33.56	65.86	0.62
6162	LA-LA	35.06	65.87	0.62

Page 78 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
6007	LA-LA	17.99	65.18	-0.45
6008	LA-LA	20.82	65.19	-0.45
6009	LA-LA	23.53	65.20	-0.45
6010	LA-LA	25.80	65.20	-0.45
6011	LA-LA	26.97	65.21	-0.45
6012	LA-LA	27.36	65.22	-0.45
6013	LA-LA	28.64	65.23	-0.45
6014	LA-LA	30.00	65.23	-0.45
6015	LA-LA	30.94	65.24	-0.45
6016	LA-LA	30.50	65.25	0.55
6017	LA-LA	29.75	65.26	0.55
6018	LA-LA	29.02	65.27	0.55
6019	LA-LA	28.12	65.27	0.55
6020	LA-LA	26.86	65.28	0.55
6021	LA-LA	24.62	65.29	0.55
6022	LA-LA	23.22	65.30	0.55
6023	LA-LA	23.07	65.30	0.55
6024	LA-LA	24.24	65.31	0.55
6025	LA-LA	25.64	65.32	0.55
6026	LA-LA	26.99	65.32	0.55
6027	LA-LA	28.04	65.33	0.55
6028	LA-LA	28.30	65.34	0.55
6029	LA-LA	28.24	65.35	0.55
6030	LA-LA	27.45	65.35	1.30
6031	LA-LA	27.35	65.36	1.30
6032	LA-LA	28.04	65.37	1.30
6033	LA-LA	27.98	65.38	1.30
6034	LA-LA	27.05	65.38	1.30
6035	LA-LA	25.12	65.39	1.30
6036	LA-LA	22.64	65.40	1.30
6037	LA-LA	19.69	65.40	1.30
6038	LA-LA	16.08	65.41	1.30
6039	LA-LA	12.24	65.41	1.30
6040	LA-LA	8.14	65.41	1.30
6041	LA-LA	4.09	65.41	1.30
6042	LA-LA	1.53	65.41	1.30
6043	LA-LA	0.00	65.41	1.30
6044	LA-LA	0.00	65.41	1.30
6045	LA-LA	0.00	65.41	1.30
6046	LA-LA	0.00	65.41	1.30
6047	LA-LA	0.00	65.41	1.30
6048	LA-LA	0.00	65.41	1.30
6049	LA-LA	0.00	65.41	1.30
6050	LA-LA	0.00	65.41	1.30
6051	LA-LA	0.00	65.41	1.30
6052	LA-LA	0.00	65.41	1.30
6053	LA-LA	0.00	65.41	1.30
6054	LA-LA	0.00	65.41	1.30
6055	LA-LA	0.00	65.41	1.30
6056	LA-LA	0.00	65.41	1.30
6057	LA-LA	0.00	65.41	1.30
6058	LA-LA	0.00	65.41	1.30
6059	LA-LA	0.00	65.41	1.30
6060	LA-LA	0.00	65.41	1.30
6061	LA-LA	0.00	65.41	1.30
6062	LA-LA	0.00	65.41	1.30
6063	LA-LA	0.00	65.41	1.30
6064	LA-LA	0.00	65.41	1.30
6065	LA-LA	0.00	65.41	1.30
6066	LA-LA	0.00	65.41	1.30
6067	LA-LA	0.00	65.41	1.30
6068	LA-LA	0.00	65.41	1.30
6069	LA-LA	0.00	65.41	1.30
6070	LA-LA	0.00	65.41	1.30
6071	LA-LA	0.00	65.41	1.30
6072	LA-LA	0.00	65.41	1.30
6073	LA-LA	1.45	65.41	1.30
6074	LA-LA	6.07	65.42	1.30
6075	LA-LA	10.65	65.42	1.30
6076	LA-LA	14.51	65.42	1.30
6077	LA-LA	17.48	65.43	1.30
6078	LA-LA	20.62	65.43	1.30
6079	LA-LA	22.83	65.44	1.30
6080	LA-LA	23.82	65.45	1.30
6081	LA-LA	25.04	65.45	0.62
6082	LA-LA	26.64	65.46	0.62
6083	LA-LA	28.47	65.47	0.62
6084	LA-LA	30.14	65.48	0.62

Page 80 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
6163	LA-LA	35.85	65.88	0.6
6164	LA-LA	35.78	65.89	0.6
6165	LA-LA	34.97	65.93	0.6
6166	LA-LA	34.15	65.91	0.6
6167	LA-LA	33.40	65.92	0.6
6168	LA-LA	32.42	65.93	0.6
6169	LA-LA	30.03	65.94	0.6
6170	LA-LA	26.04	65.94	0.6
6171	LA-LA	21.13	65.95	0.6
6172	LA-LA	16.03	65.95	1.8
6173	LA-LA	12.18	65.96	1.8
6174	LA-LA	11.26	65.96	1.8
6175	LA-LA	11.61	65.96	1.8
6176	LA-LA	13.35	65.97	1.8
6177	LA-LA	15.21	65.97	1.8
6178	LA-LA	16.87	65.98	1.8
6179	LA-LA	17.10	65.98	1.8
6180	LA-LA	16.67	65.98	1.8
6181	LA-LA	15.67	65.99	1.8
6182	LA-LA	12.92	65.99	1.8
6183	LA-LA	9.57	66.00	1.8
6184	LA-LA	6.24	66.00	1.8
6185	LA-LA	4.11	66.01	1.8
6186	LA-LA	2.65	66.00	1.8
6187	LA-LA	2.05	66.00	1.8
6188	LA-LA	2.21	66.00	1.8
6189	LA-LA	2.79	66.00	1.8
6190	LA-LA	3.37	66.00	1.8
6191	LA-LA	3.83	66.00	1.8
6192	LA-LA	3.75	66.00	1.8
6193	LA-LA	3.42	66.01	1.8
6194	LA-LA	3.01	66.01	1.8
6195	LA-LA	3.13	66.01	1.8
6196	LA-LA	2.65	66.01	1.8
6197	LA-LA	1.68	66.01	1.8
6198	LA-LA	0.34	66.01	1.8
6199	LA-LA	0.00	66.01	1.8
6200	LA-LA	0.00	66.01	1.8
6201	LA-LA	0.00	66.01	1.8
6202	LA-LA	0.00	66.01	1.8
6203	LA-LA	0.00	66.01	1.8
6204	LA-LA	2.29	66.01	1.8
6205	LA-LA	7.31	66.01	1.8
6206	LA-LA	11.28	66.01	1.8
6207	LA-LA	13.84	66.02	1.8
6208	LA-LA	15.65	66.02	1.8
6209	LA-LA	16.48	66.02	1.8
6210	LA-LA	15.63	66.03	1.8
6211	LA-LA	14.93	66.04	1.8
6212	LA-LA	16.21	66.05	1.8
6213	LA-LA	18.36	66.05	1.8
6214	LA-LA	20.37	66.05	1.8
6215	LA-LA	22.22	66.06	1.6
6216	LA-LA	22.50	66.06	1.6
6217	LA-LA	21.61	66.07	1.6
6218	LA-LA	21.32	66.08	1.6
6219	LA-LA	22.30	66.08	1.6
6220	LA-LA	21.57	66.09	1.6
6221	LA-LA	18.72	66.09	1.6
6222	LA-LA	15.90	66.10	1.6
6223	LA-LA	13.94	66.10	1.6
6224	LA-LA	13.16	66.10	1.6
6225	LA-LA	12.97	66.11	1.6
6226	LA-LA	12.21	66.11	1.6
6227	LA-LA	9.95	66.11	1.6
6228	LA-LA	7.46	66.12	1.6
6229	LA-LA	5.58	66.12	1.6
6230	LA-LA	4.55	66.12	1.6
6231	LA-LA	3.63	66.12	1.6
6232	LA-LA	2.78	66.12	1.6
6233	LA-LA	1.92	66.12	1.6
6234	LA-LA	1.39	66.12	1.6
6235	LA-LA	1.23	66.12	1.6
6236	LA-LA	2.31	66.13	1.6
6237	LA-LA	6.01	66.13	1.6
6238	LA-LA	7.72	66.13	1.6
6239	LA-LA	7.58	66.13	1.6
6240	LA-LA	9.98	66.13	1.6

Page 81 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
6241	LA-LA	4.14	66.13	1.65
6242	LA-LA	2.52	66.13	1.65
6243	LA-LA	0.74	66.13	1.65
6244	LA-LA	0.00	66.13	1.65
6245	LA-LA	0.00	66.13	1.65
6246	LA-LA	0.00	66.13	1.65
6247	LA-LA	0.00	66.13	1.65
6248	LA-LA	0.00	66.13	1.65
6249	LA-LA	0.00	66.13	1.65
6250	LA-LA	0.00	66.13	1.65
6251	LA-LA	0.00	66.13	1.65
6252	LA-LA	0.00	66.13	1.65
6253	LA-LA	0.00	66.13	1.65
6254	LA-LA	0.00	66.13	1.65
6255	LA-LA	0.00	66.13	1.65
6256	LA-LA	0.00	66.13	1.65
6257	LA-LA	0.00	66.13	1.65
6258	LA-LA	0.00	66.13	1.65
6259	LA-LA	0.00	66.13	1.65
6260	LA-LA	0.00	66.13	1.65
6261	LA-LA	0.00	66.13	1.65
6262	LA-LA	0.00	66.13	1.65
6263	LA-LA	0.00	66.13	1.65
6264	LA-LA	0.00	66.13	1.65
6265	LA-LA	0.00	66.13	1.65
6266	LA-LA	0.00	66.13	1.65
6267	LA-LA	0.00	66.13	1.65
6268	LA-LA	0.00	66.13	1.65
6269	LA-LA	0.00	66.13	1.65
6270	LA-LA	0.00	66.13	1.65
6271	LA-LA	0.00	66.13	1.65
6272	LA-LA	0.00	66.13	1.65
6273	LA-LA	0.00	66.13	1.65
6274	LA-LA	0.00	66.13	1.65
6275	LA-LA	0.00	66.13	1.65
6276	LA-LA	0.00	66.13	1.65
6277	LA-LA	0.00	66.13	1.65
6278	LA-LA	0.00	66.13	1.65
6279	LA-LA	0.00	66.13	1.65
6280	LA-LA	0.00	66.13	1.65
6281	LA-LA	0.00	66.13	1.65
6282	LA-LA	0.00	66.13	1.65
6283	LA-LA	0.00	66.13	1.65
6284	LA-LA	0.00	66.13	1.65
6285	LA-LA	0.00	66.13	1.65
6286	LA-LA	0.00	66.13	1.65
6287	LA-LA	0.00	66.13	1.65
6288	LA-LA	0.00	66.13	1.65
6289	LA-LA	0.00	66.13	1.65
6290	LA-LA	0.00	66.13	1.65
6291	LA-LA	0.00	66.13	1.65
6292	LA-LA	0.00	66.13	1.65
6293	LA-LA	0.00	66.13	1.65
6294	LA-LA	0.63	66.13	1.65
6295	LA-LA	4.49	66.13	1.65
6296	LA-LA	8.67	66.14	1.65
6297	LA-LA	9.61	66.14	1.65
6298	LA-LA	8.17	66.14	1.65
6299	LA-LA	6.50	66.14	1.65
6300	LA-LA	4.78	66.14	1.65
6301	LA-LA	3.48	66.14	1.65
6302	LA-LA	2.10	66.15	1.65
6303	LA-LA	0.62	66.15	1.65
6304	LA-LA	0.00	66.15	1.65
6305	LA-LA	0.00	66.15	1.65
6306	LA-LA	0.00	66.15	1.65
6307	LA-LA	0.43	66.15	1.65
6308	LA-LA	0.00	66.15	1.65
6309	LA-LA	0.00	66.15	1.65
6310	LA-LA	0.00	66.15	1.65
6311	LA-LA	0.00	66.15	1.65
6312	LA-LA	0.00	66.15	1.65
6313	LA-LA	0.00	66.15	1.65
6314	LA-LA	0.00	66.15	1.65
6315	LA-LA	0.00	66.15	1.65
6316	LA-LA	0.00	66.15	1.65
6317	LA-LA	0.00	66.15	1.65
6318	LA-LA	0.00	66.15	1.65

Page 83 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
6397	LA-LA	0.53	66.22	0.98
6398	LA-LA	0.00	66.22	0.98
6399	LA-LA	0.00	66.22	0.98
6400	LA-LA	0.00	66.22	0.98
6401	LA-LA	0.00	66.22	0.98
6402	LA-LA	0.00	66.22	0.98
6403	LA-LA	0.00	66.22	0.98
6404	LA-LA	0.64	66.22	0.98
6405	LA-LA	1.94	66.22	0.98
6406	LA-LA	1.99	66.22	0.98
6407	LA-LA	0.87	66.22	0.98
6408	LA-LA	0.00	66.22	0.98
6409	LA-LA	0.00	66.22	0.98
6410	LA-LA	0.00	66.22	0.98
6411	LA-LA	0.00	66.22	0.98
6412	LA-LA	0.00	66.22	0.98
6413	LA-LA	0.00	66.22	0.98
6414	LA-LA	0.00	66.22	0.98
6415	LA-LA	0.00	66.22	0.98
6416	LA-LA	0.00	66.22	0.98
6417	LA-LA	0.00	66.22	0.98
6418	LA-LA	0.00	66.22	0.98
6419	LA-LA	0.00	66.22	0.98
6420	LA-LA	0.00	66.22	0.98
6421	LA-LA	0.00	66.22	0.98
6422	LA-LA	0.00	66.22	0.98
6423	LA-LA	0.27	66.22	0.98
6424	LA-LA	0.00	66.22	0.98
6425	LA-LA	0.00	66.22	0.98
6426	LA-LA	0.00	66.22	0.98
6427	LA-LA	0.00	66.22	0.98
6428	LA-LA	0.00	66.22	0.98
6429	LA-LA	0.00	66.22	0.98
6430	LA-LA	0.00	66.22	0.98
6431	LA-LA	0.00	66.22	0.98
6432	LA-LA	0.00	66.22	0.98
6433	LA-LA	0.00	66.22	0.98
6434	LA-LA	0.00	66.22	0.98
6435	LA-LA	0.00	66.22	0.98
6436	LA-LA	0.00	66.22	0.98
6437	LA-LA	0.00	66.22	0.98
6438	LA-LA	0.00	66.22	0.98
6439	LA-LA	0.00	66.22	0.98
6440	LA-LA	0.00	66.22	0.98
6441	LA-LA	0.00	66.22	0.98
6442	LA-LA	0.00	66.22	0.98
6443	LA-LA	0.00	66.22	0.98
6444	LA-LA	0.13	66.22	0.98
6445	LA-LA	2.98	66.22	0.98
6446	LA-LA	5.35	66.22	0.98
6447	LA-LA	6.27	66.22	0.98
6448	LA-LA	6.62	66.22	0.98
6449	LA-LA	6.60	66.22	0.98
6450	LA-LA	6.32	66.23	0.98
6451	LA-LA	5.79	66.23	0.98
6452	LA-LA	4.52	66.23	0.98
6453	LA-LA	3.58	66.23	0.98
6454	LA-LA	3.78	66.23	0.98
6455	LA-LA	3.84	66.23	0.98
6456	LA-LA	3.25	66.23	0.98
6457	LA-LA	3.53	66.23	0.98
6458	LA-LA	3.45	66.24	0.98
6459	LA-LA	3.01	66.24	0.98
6460	LA-LA	3.36	66.24	0.98
6461	LA-LA	4.02	66.24	0.98
6462	LA-LA	4.58	66.24	0.98
6463	LA-LA	4.99	66.24	0.98
6464	LA-LA	4.85	66.24	0.98
6465	LA-LA	4.97	66.24	0.98
6466	LA-LA	5.30	66.25	0.98
6467	LA-LA	5.58	66.25	0.98
6468	LA-LA	6.65	66.25	0.98
6469	LA-LA	8.45	66.25	1.49
6470	LA-LA	9.44	66.25	1.49
6471	LA-LA	8.88	66.26	1.49
6472	LA-LA	8.23	66.26	1.49
6473	LA-LA	7.57	66.26	1.49
6474	LA-LA	6.97	66.26	1.49

Page 82 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
6319	LA-LA	0.00	66.15	1.65
6320	LA-LA	0.00	66.15	1.65
6321	LA-LA	0.00	66.15	1.65
6322	LA-LA	0.00	66.15	1.65
6323	LA-LA	0.00	66.15	1.65
6324	LA-LA	0.00	66.15	1.65
6325	LA-LA	0.00	66.15	1.65
6326	LA-LA	0.00	66.15	1.65
6327	LA-LA	0.00	66.15	1.65
6328	LA-LA	0.00	66.15	1.65
6329	LA-LA	0.97	66.15	1.65
6330	LA-LA	1.56	66.15	1.65
6331	LA-LA	3.29	66.15	1.65
6332	LA-LA	5.88	66.15	1.65
6333	LA-LA	8.22	66.15	0.98
6334	LA-LA	9.90	66.15	0.98
6335	LA-LA	9.80	66.16	0.98
6336	LA-LA	8.82	66.16	0.98
6337	LA-LA	7.94	66.16	0.98
6338	LA-LA	7.37	66.16	0.98
6339	LA-LA	7.09	66.16	0.98
6340	LA-LA	6.65	66.17	0.98
6341	LA-LA	6.21	66.17	0.98
6342	LA-LA	5.92	66.17	0.98
6343	LA-LA	5.77	66.17	0.98
6344	LA-LA	5.82	66.17	0.98
6345	LA-LA	5.90	66.17	0.98
6346	LA-LA	5.05	66.18	0.98
6347	LA-LA	3.61	66.18	0.98
6348	LA-LA	2.02	66.18	0.98
6349	LA-LA	1.19	66.18	0.98
6350	LA-LA	0.16	66.18	0.98
6351	LA-LA	0.00	66.18	0.98
6352	LA-LA	0.00	66.18	0.98
6353	LA-LA	0.00	66.18	0.98
6354	LA-LA	0.57	66.18	0.98
6355	LA-LA	1.63	66.18	0.98
6356	LA-LA	2.41	66.18	0.98
6357	LA-LA	3.35	66.18	0.98
6358	LA-LA	5.14	66.18	0.98
6359	LA-LA	6.11	66.18	0.98
6360	LA-LA	6.49	66.19	0.98
6361	LA-LA	6.08	66.19	0.98
6362	LA-LA	5.15	66.19	0.98
6363	LA-LA	4.11	66.19	0.98
6364	LA-LA	2.70	66.19	0.98
6365	LA-LA	1.42	66.19	0.98
6366	LA-LA	1.59	66.19	0.98
6367	LA-LA	2.40	66.19	0.98
6368	LA-LA	3.14	66.19	0.98
6369	LA-LA	3.79	66.19	0.98
6370	LA-LA	3.98	66.19	0.98
6371	LA-LA	3.34	66.20	0.98
6372	LA-LA	2.83	66.20	0.98
6373	LA-LA	2.58	66.20	0.98
6374	LA-LA	2.36	66.20	0.98
6375	LA-LA	2.28	66.20	0.98
6376	LA-LA	2.84	66.20	0.98
6377	LA-LA	2.69	66.20	0.98
6378	LA-LA	2.17	66.20	0.98
6379	LA-LA	1.44	66.20	0.98
6380	LA-LA	1.43	66.20	0.98
6381	LA-LA	2.22	66.20	0.98
6382	LA-LA	2.99	66.20	0.98
6383	LA-LA	3.65	66.20	0.98
6384	LA-LA	4.22	66.20	0.98
6385	LA-LA	4.52	66.21	0.98
6386	LA-LA	5.02	66.21	0.98
6387	LA-LA	5.36	66.21	0.98
6388	LA-LA	4.31	66.21	0.98
6389	LA-LA	3.43	66.21	0.98
6390	LA-LA	2.80	66.21	0.98
6391	LA-LA	2.35	66.21	0.98
6392	LA-LA	1.99	66.21	0.98
6393	LA-LA	2.66	66.21	0.98
6394	LA-LA	2.43	66.21	0.98
6395	LA-LA	2.06	66.22	0.98
6396	LA-LA	1.56	66.22	0.98

Page 84 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
6475	LA-LA	7.09	66.26	1.49
6476	LA-LA	8.15	66.27	1.49
6477	LA-LA	7.74	66.27	1.49

Page 85 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
6553	LA-LA	7.04	66.31	1.49
6554	LA-LA	7.91	66.31	1.49
6555	LA-LA	8.75	66.31	1.49
6556	LA-LA	10.06	66.32	1.49
6557	LA-LA	10.66	66.32	1.49
6558	LA-LA	10.30	66.32	1.49
6559	LA-LA	9.49	66.33	1.49
6560	LA-LA	8.46	66.33	1.49
6561	LA-LA	9.09	66.33	1.49
6562	LA-LA	8.47	66.33	1.49
6563	LA-LA	7.24	66.33	1.49
6564	LA-LA	6.13	66.34	1.49
6565	LA-LA	4.90	66.34	1.49
6566	LA-LA	3.19	66.34	1.49
6567	LA-LA	0.87	66.34	1.49
6568	LA-LA	0.00	66.34	1.49
6569	LA-LA	0.00	66.34	1.49
6570	LA-LA	0.00	66.34	1.49
6571	LA-LA	0.00	66.34	1.49
6572	LA-LA	0.00	66.34	1.49
6573	LA-LA	0.00	66.34	1.49
6574	LA-LA	0.00	66.34	1.49
6575	LA-LA	0.00	66.34	1.49
6576	LA-LA	0.00	66.34	1.49
6577	LA-LA	0.00	66.34	1.49
6578	LA-LA	0.00	66.34	1.49
6579	LA-LA	0.00	66.34	1.49
6580	LA-LA	0.00	66.34	1.49
6581	LA-LA	0.00	66.34	1.49
6582	LA-LA	0.00	66.34	1.49
6583	LA-LA	0.00	66.34	1.49
6584	LA-LA	0.00	66.34	1.49
6585	LA-LA	0.00	66.34	1.49
6586	LA-LA	0.00	66.34	1.49
6587	LA-LA	0.00	66.34	1.49
6588	LA-LA	0.00	66.34	1.49
6589	LA-LA	0.00	66.34	1.49
6590	LA-LA	0.00	66.34	1.49
6591	LA-LA	0.00	66.34	1.49
6592	LA-LA	0.00	66.34	1.49
6593	LA-LA	0.00	66.34	1.49
6594	LA-LA	0.00	66.34	1.49
6595	LA-LA	0.00	66.34	1.49
6596	LA-LA	0.00	66.34	1.49
6597	LA-LA	0.00	66.34	1.49
6598	LA-LA	0.00	66.34	1.49
6599	LA-LA	0.00	66.34	1.49
6600	LA-LA	0.00	66.34	1.49
6601	LA-LA	0.00	66.34	1.49
6602	LA-LA	0.00	66.34	1.49
6603	LA-LA	0.00	66.34	1.49
6604	LA-LA	0.00	66.34	1.49
6605	LA-LA	0.00	66.34	1.49
6606	LA-LA	1.41	66.34	1.49
6607	LA-LA	3.91	66.34	1.49
6608	LA-LA	5.23	66.34	1.49
6609	LA-LA	6.86	66.34	1.49
6610	LA-LA	9.06	66.35	1.49
6611	LA-LA	11.39	66.35	1.49
6612	LA-LA	12.84	66.35	2.04
6613	LA-LA	15.36	66.36	2.04
6614	LA-LA	19.11	66.36	2.04
6615	LA-LA	23.46	66.37	2.04
6616	LA-LA	26.96	66.38	2.04
6617	LA-LA	30.80	66.38	2.04
6618	LA-LA	33.97	66.39	2.04
6619	LA-LA	36.72	66.40	2.04
6620	LA-LA	39.52	66.41	2.04
6621	LA-LA	40.94	66.43	2.04
6622	LA-LA	42.58	66.44	2.04
6623	LA-LA	44.13	66.45	2.04
6624	LA-LA	45.37	66.46	0.97
6625	LA-LA	45.76	66.47	0.97
6626	LA-LA	45.00	66.49	0.97
6627	LA-LA	43.80	66.50	0.97
6628	LA-LA	42.03	66.51	0.97
6629	LA-LA	39.78	66.52	0.97
6630	LA-LA	37.04	66.53	0.97

Page 87 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
6709	LA-LA	13.75	66.82	0.21
6710	LA-LA	17.85	66.83	0.21
6711	LA-LA	21.73	66.83	0.21
6712	LA-LA	25.17	66.84	0.21
6713	LA-LA	28.58	66.85	0.21
6714	LA-LA	31.22	66.86	-0.69
6715	LA-LA	33.54	66.87	-0.69
6716	LA-LA	35.40	66.88	-0.69
6717	LA-LA	36.91	66.89	-0.69
6718	LA-LA	37.92	66.90	-0.69
6719	LA-LA	38.88	66.91	-0.69
6720	LA-LA	39.71	66.92	-0.69
6721	LA-LA	40.71	66.93	-0.69
6722	LA-LA	41.68	66.94	-0.69
6723	LA-LA	42.31	66.95	-1.76
6724	LA-LA	42.19	66.96	-1.76
6725	LA-LA	42.14	66.98	-1.76
6726	LA-LA	42.78	66.99	-1.76
6727	LA-LA	43.68	67.00	-1.76
6728	LA-LA	44.46	67.01	-1.76
6729	LA-LA	44.60	67.02	-1.76
6730	LA-LA	44.99	67.04	-1.76
6731	LA-LA	45.60	67.05	-1.76
6732	LA-LA	44.60	67.06	0.20
6733	LA-LA	43.71	67.07	0.20
6734	LA-LA	43.49	67.09	0.20
6735	LA-LA	43.35	67.10	0.20
6736	LA-LA	42.48	67.11	0.20
6737	LA-LA	41.96	67.12	0.20
6738	LA-LA	39.21	67.13	0.20
6739	LA-LA	34.64	67.14	0.20
6740	LA-LA	29.55	67.15	0.20
6741	LA-LA	25.33	67.16	0.17
6742	LA-LA	21.19	67.16	0.17
6743	LA-LA	17.16	67.17	0.17
6744	LA-LA	12.53	67.17	0.17
6745	LA-LA	8.56	67.17	0.17
6746	LA-LA	4.43	67.17	0.17
6747	LA-LA	1.56	67.17	0.17
6748	LA-LA	0.00	67.17	0.17
6749	LA-LA	0.00	67.17	0.17
6750	LA-LA	0.00	67.17	0.17
6751	LA-LA	0.00	67.17	0.17
6752	LA-LA	0.00	67.17	0.17
6753	LA-LA	0.00	67.17	0.17
6754	LA-LA	0.00	67.17	0.17
6755	LA-LA	0.00	67.17	0.17
6756	LA-LA	0.00	67.17	0.17
6757	LA-LA	0.00	67.17	0.17
6758	LA-LA	0.00	67.17	0.17
6759	LA-LA	0.00	67.17	0.17
6760	LA-LA	0.00	67.17	0.17
6761	LA-LA	0.00	67.17	0.17
6762	LA-LA	0.00	67.17	0.17
6763	LA-LA	0.00	67.17	0.17
6764	LA-LA	0.00	67.17	0.17
6765	LA-LA	0.00	67.17	0.17
6766	LA-LA	0.00	67.17	0.17
6767	LA-LA	0.00	67.17	0.17
6768	LA-LA	0.00	67.17	0.17
6769	LA-LA	0.00	67.17	0.17
6770	LA-LA	0.00	67.17	0.17
6771	LA-LA	0.00	67.17	0.17
6772	LA-LA	0.00	67.17	0.17
6773	LA-LA	1.00	67.17	0.17
6774	LA-LA	5.71	67.18	0.17
6775	LA-LA	10.82	67.18	0.17
6776	LA-LA	14.57	67.18	0.17
6777	LA-LA	17.46	67.19	0.17
6778	LA-LA	20.12	67.19	0.17
6779	LA-LA	22.54	67.20	0.17
6780	LA-LA	24.52	67.21	0.17
6781	LA-LA	25.01	67.21	0.17
6782	LA-LA	24.16	67.22	0.17
6783	LA-LA	21.94	67.23	0.17
6784	LA-LA	19.14	67.23	0.17
6785	LA-LA	16.26	67.24	0.17
6786	LA-LA	15.36	67.24	0.17

Page 86 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
6631	LA-LA	33.67	66.54	0.97
6632	LA-LA	29.72	66.55	0.97
6633	LA-LA	27.02	66.56	0.01
6634	LA-LA	26.62	66.56	0.01
6635	LA-LA	26.08	66.57	0.01
6636	LA-LA	24.45	66.58	0.01
6637	LA-LA	21.66	66.58	0.01
6638	LA-LA	18.70	66.59	0.01
6639	LA-LA	15.49	66.59	0.01
6640	LA-LA	12.27	66.60	0.01
6641	LA-LA	9.21	66.60	0.01
6642	LA-LA	5.80	66.60	0.01
6643	LA-LA	2.94	66.60	0.01
6644	LA-LA	0.11	66.60	0.01
6645	LA-LA	0.00	66.60	0.01
6646	LA-LA	0.00	66.60	0.01
6647	LA-LA	0.00	66.60	0.01
6648	LA-LA	0.00	66.60	0.01
6649	LA-LA	0.00	66.60	0.01
6650	LA-LA	0.00	66.60	0.01
6651	LA-LA	0.00	66.60	0.01
6652	LA-LA	0.00	66.60	0.01
6653	LA-LA	0.00	66.60	0.01
6654	LA-LA	0.00	66.60	0.01
6655	LA-LA	0.00	66.60	0.01
6656	LA-LA	0.00	66.60	0.01
6657	LA-LA	0.00	66.60	0.01
6658	LA-LA	0.00	66.60	0.01
6659	LA-LA	0.00	66.60	0.01
6660	LA-LA	2.11	66.60	0.01
6661	LA-LA	7.50	66.60	0.01
6662	LA-LA	12.27	66.61	0.01
6663	LA-LA	15.91	66.61	0.01
6664	LA-LA	19.55	66.62	0.01
6665	LA-LA	23.27	66.62	0.01
6666	LA-LA	26.31	66.63	0.01
6667	LA-LA	28.56	66.64	0.01
6668	LA-LA	31.06	66.65	0.01
6669	LA-LA	33.52	66.66	0.53
6670	LA-LA	35.08	66.67	0.53
6671	LA-LA	36.59	66.68	0.53
6672	LA-LA	38.04	66.69	0.53
6673	LA-LA	39.07	66.70	0.53
6674	LA-LA	39.88	66.71	0.53
6675	LA-LA	40.83	66.72	0.53
6676	LA-LA	41.26	66.73	0.53
6677	LA-LA	42.06	66.74	0.53
6678	LA-LA	42.23	66.75	0.21
6679	LA-LA	40.52	66.77	0.21
6680	LA-LA	37.12	66.78	0.21
6681	LA-LA	32.56	66.78	0.21
6682	LA-LA	27.90	66.79	0.49
6683	LA-LA	23.26	66.80	0.21
6684	LA-LA	18.88	66.80	0.21
6685	LA-LA	15.02	66.81	0.21
6686	LA-LA	11.49	66.81	0.21
6687	LA-LA	7.86	66.81	0.21
6688	LA-LA	4.30	66.81	0.21
6689	LA-LA	2.29	66.81	0.21
6690	LA-LA	1.28	66.82	0.21
6691	LA-LA	1.86	66.82	0.21
6692	LA-LA	1.72	66.82	0.21
6693	LA-LA	0.83	66.82	0.21
6694	LA-LA	0.00	66.82	0.21
6695	LA-LA	0.00	66.82	0.21
6696	LA-LA	0.00	66.82	0.21
6697	LA-LA	0.00	66.82	0.21
6698	LA-LA	0.00	66.82	0.21
6699	LA-LA	0.00	66.82	0.21
6700	LA-LA	0.00	66.82	0.21
6701	LA-LA	0.00	66.82	0.21
6702	LA-LA	0.00	66.82	0.21
6703	LA-LA	0.00	66.82	0.21
6704	LA-LA	0.00	66.82	0.21
6705	LA-LA	0.00	66.82	0.21
6706	LA-LA	0.00	66.82	0.21
6707	LA-LA	2.41	66.82	0.21
6708	LA-LA	8.31	66.82	0.21

Page 88 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
6787	LA-LA	17.11	67.24	0.

Page 89 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
6865	LA-LA	0.00	67.79	0.46
6866	LA-LA	0.00	67.79	0.46
6867	LA-LA	0.00	67.79	0.46
6868	LA-LA	0.00	67.79	0.46
6869	LA-LA	0.57	67.79	0.46
6870	LA-LA	5.52	67.79	0.46
6871	LA-LA	11.18	67.79	0.46
6872	LA-LA	15.05	67.80	0.46
6873	LA-LA	18.08	67.80	0.46
6874	LA-LA	21.04	67.81	0.46
6875	LA-LA	23.71	67.82	0.46
6876	LA-LA	25.91	67.82	0.46
6877	LA-LA	27.85	67.83	0.46
6878	LA-LA	29.44	67.84	0.46
6879	LA-LA	30.56	67.85	0.46
6880	LA-LA	31.40	67.86	0.19
6881	LA-LA	32.40	67.87	0.19
6882	LA-LA	32.53	67.87	0.19
6883	LA-LA	31.71	67.88	0.19
6884	LA-LA	32.79	67.89	0.19
6885	LA-LA	33.90	67.90	0.19
6886	LA-LA	35.05	67.91	0.19
6887	LA-LA	35.59	67.92	0.19
6888	LA-LA	35.49	67.93	0.19
6889	LA-LA	34.99	67.94	0.19
6890	LA-LA	34.36	67.95	0.19
6891	LA-LA	33.48	67.96	-0.21
6892	LA-LA	31.85	67.97	-0.21
6893	LA-LA	30.58	67.98	-0.21
6894	LA-LA	30.22	67.98	-0.21
6895	LA-LA	30.65	67.99	-0.21
6896	LA-LA	30.76	68.00	-0.21
6897	LA-LA	30.16	68.01	-0.21
6898	LA-LA	29.70	68.02	-0.21
6899	LA-LA	29.12	68.03	-0.21
6900	LA-LA	29.54	68.03	-0.21
6901	LA-LA	28.78	68.04	-0.21
6902	LA-LA	27.05	68.05	-0.21
6903	LA-LA	24.70	68.06	-0.45
6904	LA-LA	22.78	68.06	-0.45
6905	LA-LA	20.56	68.07	-0.45
6906	LA-LA	18.33	68.07	-0.45
6907	LA-LA	16.65	68.08	-0.45
6908	LA-LA	14.78	68.08	-0.45
6909	LA-LA	12.78	68.08	-0.45
6910	LA-LA	11.16	68.09	-0.45
6911	LA-LA	11.34	68.09	-0.45
6912	LA-LA	13.54	68.09	-0.45
6913	LA-LA	16.51	68.10	-0.45
6914	LA-LA	19.52	68.10	-0.45
6915	LA-LA	22.03	68.11	-0.45
6916	LA-LA	23.83	68.12	-0.45
6917	LA-LA	24.31	68.12	-0.45
6918	LA-LA	24.27	68.13	-0.45
6919	LA-LA	23.63	68.14	-0.45
6920	LA-LA	24.05	68.14	-0.45
6921	LA-LA	24.90	68.15	-0.92
6922	LA-LA	24.60	68.16	-0.92
6923	LA-LA	24.59	68.16	-0.92
6924	LA-LA	25.99	68.17	-0.92
6925	LA-LA	26.28	68.18	-0.92
6926	LA-LA	25.83	68.19	-0.92
6927	LA-LA	24.35	68.19	-0.92
6928	LA-LA	22.04	68.20	-0.92
6929	LA-LA	19.34	68.20	-0.92
6930	LA-LA	16.20	68.21	-0.92
6931	LA-LA	12.28	68.21	-0.92
6932	LA-LA	7.91	68.21	-0.92
6933	LA-LA	4.07	68.21	-0.92
6934	LA-LA	1.34	68.21	-0.92
6935	LA-LA	0.00	68.21	-0.92
6936	LA-LA	0.00	68.21	-0.92
6937	LA-LA	0.00	68.21	-0.92
6938	LA-LA	0.00	68.21	-0.92
6939	LA-LA	0.00	68.21	-0.92
6940	LA-LA	0.00	68.21	-0.92
6941	LA-LA	0.00	68.21	-0.92
6942	LA-LA	0.00	68.21	-0.92

Page 91 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
7021	LA-LA	10.07	68.37	-0.08
7022	LA-LA	12.85	68.37	-0.08
7023	LA-LA	14.85	68.38	-0.08
7024	LA-LA	16.92	68.38	-0.08
7025	LA-LA	18.95	68.39	-0.08
7026	LA-LA	20.41	68.39	-0.08
7027	LA-LA	20.32	68.40	-0.08
7028	LA-LA	19.81	68.40	-0.08
7029	LA-LA	20.07	68.41	-0.08
7030	LA-LA	20.32	68.41	-0.08
7031	LA-LA	19.91	68.42	-0.08
7032	LA-LA	19.29	68.42	-0.08
7033	LA-LA	17.80	68.43	-0.08
7034	LA-LA	15.25	68.43	-0.08
7035	LA-LA	12.42	68.44	-0.08
7036	LA-LA	9.68	68.44	-0.08
7037	LA-LA	6.39	68.44	-0.08
7038	LA-LA	3.55	68.44	-0.08
7039	LA-LA	1.77	68.44	-0.08
7040	LA-LA	0.17	68.44	-0.08
7041	LA-LA	0.00	68.44	-0.08
7042	LA-LA	0.46	68.44	-0.08
7043	LA-LA	4.21	68.44	-0.08
7044	LA-LA	8.01	68.45	-0.08
7045	LA-LA	11.53	68.45	-0.08
7046	LA-LA	14.50	68.45	-0.03
7047	LA-LA	17.20	68.46	-0.03
7048	LA-LA	19.87	68.46	-0.03
7049	LA-LA	21.99	68.47	-0.03
7050	LA-LA	23.66	68.48	-0.03
7051	LA-LA	24.18	68.48	-0.03
7052	LA-LA	23.63	68.49	-0.03
7053	LA-LA	21.52	68.49	-0.03
7054	LA-LA	18.17	68.50	-0.03
7055	LA-LA	14.47	68.50	-0.03
7056	LA-LA	10.90	68.51	-0.03
7057	LA-LA	8.35	68.51	-0.03
7058	LA-LA	6.98	68.51	-0.03
7059	LA-LA	6.62	68.51	-0.03
7060	LA-LA	6.28	68.51	-0.03
7061	LA-LA	5.72	68.52	-0.03
7062	LA-LA	5.02	68.52	-0.03
7063	LA-LA	5.06	68.52	-0.03
7064	LA-LA	6.98	68.52	-0.03
7065	LA-LA	9.20	68.52	-0.03
7066	LA-LA	11.18	68.53	-0.03
7067	LA-LA	13.76	68.53	-0.03
7068	LA-LA	16.72	68.53	-0.03
7069	LA-LA	19.10	68.54	-0.03
7070	LA-LA	20.88	68.55	-0.03
7071	LA-LA	22.46	68.55	-0.19
7072	LA-LA	23.68	68.56	-0.19
7073	LA-LA	23.55	68.56	-0.19
7074	LA-LA	22.52	68.57	-0.19
7075	LA-LA	20.68	68.58	-0.19
7076	LA-LA	18.41	68.58	-0.19
7077	LA-LA	15.30	68.59	-0.19
7078	LA-LA	11.97	68.59	-0.19
7079	LA-LA	11.12	68.59	-0.19
7080	LA-LA	10.71	68.60	-0.19
7081	LA-LA	9.25	68.60	-0.19
7082	LA-LA	6.70	68.60	-0.19
7083	LA-LA	4.46	68.60	-0.19
7084	LA-LA	4.30	68.60	-0.19
7085	LA-LA	6.83	68.60	-0.19
7086	LA-LA	10.06	68.61	-0.19
7087	LA-LA	11.64	68.61	-0.19
7088	LA-LA	13.00	68.61	-0.19
7089	LA-LA	14.95	68.62	-0.19
7090	LA-LA	17.15	68.62	-0.19
7091	LA-LA	18.86	68.63	-0.19
7092	LA-LA	19.11	68.63	-0.19
7093	LA-LA	18.87	68.64	-0.19
7094	LA-LA	18.40	68.64	-0.19
7095	LA-LA	16.88	68.65	-0.19
7096	LA-LA	14.25	68.65	0.16
7097	LA-LA	11.20	68.65	0.16
7098	LA-LA	8.15	68.66	0.16

Page 90 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
6943	LA-LA	0.00	68.21	-0.92
6944	LA-LA	0.00	68.21	-0.92
6945	LA-LA	0.00	68.21	-0.92
6946	LA-LA	0.00	68.21	-0.92
6947	LA-LA	0.00	68.21	-0.92
6948	LA-LA	0.00	68.21	-0.92
6949	LA-LA	0.00	68.21	-0.92
6950	LA-LA	0.00	68.21	-0.92
6951	LA-LA	0.00	68.21	-0.92
6952	LA-LA	0.00	68.21	-0.92
6953	LA-LA	0.00	68.21	-0.92
6954	LA-LA	1.54	68.22	-0.92
6955	LA-LA	5.54	68.22	-0.92
6956	LA-LA	10.25	68.22	-0.92
6957	LA-LA	13.08	68.22	-0.92
6958	LA-LA	15.83	68.23	-0.92
6959	LA-LA	18.88	68.23	-0.92
6960	LA-LA	21.32	68.24	-0.92
6961	LA-LA	22.12	68.24	-0.92
6962	LA-LA	23.99	68.25	0.04
6963	LA-LA	25.39	68.26	0.04
6964	LA-LA	24.98	68.27	0.04
6965	LA-LA	24.26	68.27	0.04
6966	LA-LA	23.80	68.28	0.04
6967	LA-LA	24.55	68.29	0.04
6968	LA-LA	24.43	68.29	0.04
6969	LA-LA	25.36	68.30	0.04
6970	LA-LA	26.44	68.31	0.04
6971	LA-LA	26.02	68.31	0.04
6972	LA-LA	25.68	68.32	0.04
6973	LA-LA	25.65	68.33	0.04
6974	LA-LA	25.15	68.33	0.04
6975	LA-LA	23.30	68.34	0.04
6976	LA-LA	20.34	68.35	0.04
6977	LA-LA	17.05	68.35	-0.08
6978	LA-LA	13.67	68.35	-0.08
6979	LA-LA	10.30	68.36	-0.08
6980	LA-LA	7.28	68.36	-0.08
6981	LA-LA	5.34	68.36	-0.08
6982	LA-LA	3.97	68.36	-0.08
6983	LA-LA	2.80	68.36	-0.08
6984	LA-LA	1.43	68.36	-0.08
6985	LA-LA	0.00	68.36	-0.08
6986	LA-LA	0.00	68.36	-0.08
6987	LA-LA	0.00	68.36	-0.08
6988	LA-LA	0.00	68.36	-0.08
6989	LA-LA	0.00	68.36	-0.08
6990	LA-LA	0.00	68.36	-0.08
6991	LA-LA	0.00	68.36	-0.08
6992	LA-LA	0.00	68.36	-0.08
6993	LA-LA	0.00	68.36	-0.08
6994	LA-LA	0.00	68.36	-0.08
6995	LA-LA	0.00	68.36	-0.08
6996	LA-LA	0.00	68.36	-0.08
6997	LA-LA	0.00	68.36	-0.08
6998	LA-LA	0.00	68.36	-0.08
6999	LA-LA	0.00	68.36	-0.08
7000	LA-LA	0.00	68.36	-0.08
7001	LA-LA	0.00	68.36	-0.08
7002	LA-LA	0.00	68.36	-0.08
7003	LA-LA	0.00	68.36	-0.08
7004	LA-LA	0.00	68.36	-0.08
7005	LA-LA	0.00	68.36	-0.08
7006	LA-LA	0.00	68.36	-0.08
7007	LA-LA	0.00	68.36	-0.08
7008	LA-LA	0.00	68.36	-0.08
7009	LA-LA	0.00	68.36	-0.08
7010	LA-LA	0.00	68.36	-0.08
7011	LA-LA	0.00	68.36	-0.08
7012	LA-LA	0.29	68.36	-0.08
7013	LA-LA	0.00	68.36	-0.08
7014	LA-LA	0.00	68.36	-0.08
7015	LA-LA	0.00	68.36	-0.08
7016	LA-LA	0.00	68.36	-0.08
7017	LA-LA	0.00	68.36	-0.08
7018	LA-LA	0.00	68.36	-0.08
7019	LA-LA	1.12	68.36	-0.08
7020	LA-LA	5.75	68.37	-0.08

Page 92 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
7099	LA-1A	5.24	0.86	0.16
7100	LA-1A	3.35	0.86	0.16
7101	LA-1A	2.30	0.86	0.16
7102	LA-1A	1.82	0.86	0.16
7103	LA-1A	2.37	0.86	0.16
7104	LA-1A	2.19	0.86	0.16
7105	LA-1A	1.57	0.86	0.16
7106	LA-1A	0.78	0.86	0.16
7107	LA-1A	0.88	0.86	0.16
7108	LA-1A	0.48	0.86	0.16
7109	LA-1A	0.00	0.86	0.16
7110	LA-1A	0.00	0.86	0.16
7111	LA-1A	0.00	0.86	0.16
7112	LA-1A	0.28	0.86	0.16
7113	LA-1A	0.00	0.86	0.16
7114	LA-1A	0.00	0.86	0.16
7115	LA-1A	0.00	0.86	0.16
7116	LA-1A	0.00	0.86	0.16
7117	LA-1A	0.00	0.86	0.16
7118	LA-1A	0.00	0.86	0.16
7119	LA-1A	0.00	0.86	0.16
7120	LA-1A	0.00	0.86	0.16
7121	LA-1A	0.00	0.86	0.16
7122	LA-1A	0.00	0.86	0.16
7123	LA-1A	0.00	0.86	0.16
7124	LA-1A	0.00	0.86	0.16
7125	LA-1A	0.00	0.86	0.16
7126	LA-1A	0.00	0.86	0.16
7127	LA-1A	0.00	0.86	0.16
7128	LA-1A	0.00	0.86	0.16
7129	LA-1A	0.00	0.86	0.16
7130	LA-1A	0.00	0.86	0.16
7131	LA-1A	0.00	0.86	0.16
7132	LA-1A	0.00	0.86	0.16
7133	LA-1A	0.00	0.86	0.16
7134	LA-1A	0.00	0.86	0.16
7135	LA-1A	0.00	0.86	0.16
7136	LA-1A	0.00	0.86	0.16
7137	LA-1A	0.00	0.86	0.16
7138	LA-1A	0.00	0.86	0.16
7139	LA-1A	0.00	0.86	0.16
7140	LA-1A	0.00	0.86	0.16
7141	LA-1A	0.00	0.86	0.16
7142	LA-1A	0.00	0.86	0.16
7143	LA-1A	0.00	0.86	0.16
7144	LA-1A	0.36	0.86	0.16
7145	LA-1A	5.19	0.87	0.16
7146	LA-1A	9.93	0.87	0.16
7147	LA-1A	12.38	0.87	0.16
7148	LA-1A	13.59	0.87	0.16
7149	LA-1A	15.02	0.88	0.16
7150	LA-1A	17.10	0.88	0.16
7151	LA-1A	19.55	0.89	0.16
7152	LA-1A	22.26	0.89	0.16
7153	LA-1A	24.64	0.87	0.16
7154	LA-1A	26.84	0.71	0.16
7155	LA-1A	28.75	0.72	0.16
7156	LA-1A	30.60	0.73	0.16
7157	LA-1A	32.07	0.73	0.16
7158	LA-1A	32.85	0.74	0.16
7159	LA-1A	33.76	0.75	0.55
7160	LA-1A	33.70	0.76	0.55
7161	LA-1A	34.01	0.77	0.55
7162	LA-1A	33.50	0.78	0.55
7163	LA-1A	31.61	0.79	0.55
7164	LA-1A	32.62	0.80	0.55
7165	LA-1A	29.19	0.81	0.55
7166	LA-1A	25.84	0.81	0.55
7167	LA-1A	22.58	0.82	0.55
7168	LA-1A	19.58	0.82	0.55
7169	LA-1A	16.05	0.83	0.55
7170	LA-1A	12.56	0.83	0.55
7171	LA-1A	9.08	0.83	0.55
7172	LA-1A	5.40	0.84	0.55
7173	LA-1A	2.75	0.84	0.55
7174	LA-1A	0.46	0.84	0.55
7175	LA-1A	0.00	0.84	0.55
7176	LA-1A	0.00	0.84	0.55

Page 93 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
7177	LA-LA	0.00	68.84	0.55
7178	LA-LA	0.00	68.84	0.55
7179	LA-LA	0.00	68.84	0.55
7180	LA-LA	0.00	68.84	0.55
7181	LA-LA	0.00	68.84	0.55
7182	LA-LA	0.00	68.84	0.55
7183	LA-LA	0.00	68.84	0.55
7184	LA-LA	0.00	68.84	0.55
7185	LA-LA	0.00	68.84	0.55
7186	LA-LA	0.00	68.84	0.55
7187	LA-LA	0.00	68.84	0.55
7188	LA-LA	0.00	68.84	0.55
7189	LA-LA	0.00	68.84	0.55
7190	LA-LA	0.00	68.84	0.55
7191	LA-LA	0.00	68.84	0.55
7192	LA-LA	0.00	68.84	0.55
7193	LA-LA	0.00	68.84	0.55
7194	LA-LA	0.00	68.84	0.55
7195	LA-LA	0.00	68.84	0.55
7196	LA-LA	0.00	68.84	0.55
7197	LA-LA	0.00	68.84	0.55
7198	LA-LA	0.00	68.84	0.55
7199	LA-LA	0.00	68.84	0.55
7200	LA-LA	0.00	68.84	0.55
7201	LA-LA	0.00	68.84	0.55
7202	LA-LA	0.00	68.84	0.55
7203	LA-LA	0.00	68.84	0.55
7204	LA-LA	0.00	68.84	0.55
7205	LA-LA	0.00	68.84	0.55
7206	LA-LA	0.00	68.84	0.55
7207	LA-LA	0.00	68.84	0.55
7208	LA-LA	0.00	68.84	0.55
7209	LA-LA	0.00	68.84	0.55
7210	LA-LA	1.69	68.84	0.55
7211	LA-LA	5.59	68.84	0.55
7212	LA-LA	8.59	68.84	0.55
7213	LA-LA	11.02	68.84	0.55
7214	LA-LA	11.53	68.85	0.55
7215	LA-LA	11.82	68.85	0.46
7216	LA-LA	11.41	68.85	0.46
7217	LA-LA	9.69	68.86	0.46
7218	LA-LA	7.46	68.86	0.46
7219	LA-LA	5.26	68.86	0.46
7220	LA-LA	3.74	68.86	0.46
7221	LA-LA	2.71	68.86	0.46
7222	LA-LA	3.34	68.86	0.46
7223	LA-LA	3.10	68.86	0.46
7224	LA-LA	2.07	68.86	0.46
7225	LA-LA	1.38	68.86	0.46
7226	LA-LA	1.19	68.87	0.46
7227	LA-LA	1.36	68.87	0.46
7228	LA-LA	2.26	68.87	0.46
7229	LA-LA	3.43	68.87	0.46
7230	LA-LA	5.94	68.87	0.46
7231	LA-LA	7.46	68.87	0.46
7232	LA-LA	9.84	68.87	0.46
7233	LA-LA	11.97	68.88	0.46
7234	LA-LA	13.85	68.88	0.46
7235	LA-LA	14.27	68.88	0.46
7236	LA-LA	12.75	68.89	0.46
7237	LA-LA	10.91	68.89	0.46
7238	LA-LA	10.65	68.89	0.46
7239	LA-LA	11.02	68.90	0.46
7240	LA-LA	12.07	68.90	0.46
7241	LA-LA	13.55	68.90	0.46
7242	LA-LA	15.50	68.91	0.46
7243	LA-LA	18.07	68.91	0.46
7244	LA-LA	18.68	68.92	0.46
7245	LA-LA	19.02	68.92	0.46
7246	LA-LA	18.93	68.93	0.46
7247	LA-LA	17.78	68.93	0.46
7248	LA-LA	15.34	68.94	0.46
7249	LA-LA	12.20	68.94	0.46
7250	LA-LA	7.96	68.94	0.46
7251	LA-LA	3.43	68.94	0.46
7252	LA-LA	0.21	68.94	0.46
7253	LA-LA	0.00	68.94	0.46
7254	LA-LA	0.00	68.94	0.46

Page 95 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
7333	LA-LA	0.00	69.15	0.27
7334	LA-LA	0.00	69.15	0.27
7335	LA-LA	0.00	69.15	0.27
7336	LA-LA	0.00	69.15	0.27
7337	LA-LA	0.00	69.15	0.27
7338	LA-LA	0.00	69.15	0.27
7339	LA-LA	0.00	69.15	0.27
7340	LA-LA	0.00	69.15	0.27
7341	LA-LA	0.00	69.15	0.27
7342	LA-LA	0.00	69.15	0.27
7343	LA-LA	0.00	69.15	0.27
7344	LA-LA	0.00	69.15	0.27
7345	LA-LA	0.00	69.15	0.27
7346	LA-LA	0.00	69.15	0.27
7347	LA-LA	0.00	69.15	0.27
7348	LA-LA	0.00	69.15	0.27
7349	LA-LA	0.00	69.15	0.27
7350	LA-LA	0.00	69.15	0.27
7351	LA-LA	0.00	69.15	0.27
7352	LA-LA	0.00	69.15	0.27
7353	LA-LA	0.00	69.15	0.27
7354	LA-LA	0.00	69.15	0.27
7355	LA-LA	0.00	69.15	0.27
7356	LA-LA	0.00	69.15	0.27
7357	LA-LA	0.00	69.15	0.27
7358	LA-LA	0.00	69.15	0.27
7359	LA-LA	0.00	69.15	0.27
7360	LA-LA	0.41	69.15	0.27
7361	LA-LA	3.44	69.15	0.27
7362	LA-LA	7.74	69.15	0.27
7363	LA-LA	11.72	69.16	0.27
7364	LA-LA	14.53	69.16	0.27
7365	LA-LA	16.86	69.17	0.27
7366	LA-LA	19.19	69.17	0.27
7367	LA-LA	21.32	69.18	0.27
7368	LA-LA	23.37	69.18	0.27
7369	LA-LA	25.17	69.19	0.27
7370	LA-LA	26.69	69.20	0.27
7371	LA-LA	27.82	69.20	0.27
7372	LA-LA	28.00	69.21	0.27
7373	LA-LA	27.17	69.22	0.27
7374	LA-LA	26.30	69.23	0.27
7375	LA-LA	25.42	69.23	0.27
7376	LA-LA	24.60	69.24	0.27
7377	LA-LA	24.02	69.25	0.27
7378	LA-LA	23.49	69.25	0.41
7379	LA-LA	22.75	69.26	0.41
7380	LA-LA	20.72	69.27	0.41
7381	LA-LA	18.48	69.27	0.41
7382	LA-LA	16.38	69.28	0.41
7383	LA-LA	13.56	69.28	0.41
7384	LA-LA	11.08	69.28	0.41
7385	LA-LA	8.49	69.28	0.41
7386	LA-LA	5.85	69.29	0.41
7387	LA-LA	4.13	69.29	0.41
7388	LA-LA	2.18	69.29	0.41
7389	LA-LA	0.19	69.29	0.41
7390	LA-LA	0.11	69.29	0.41
7391	LA-LA	5.05	69.29	0.41
7392	LA-LA	9.79	69.29	0.41
7393	LA-LA	12.95	69.30	0.41
7394	LA-LA	14.75	69.30	0.41
7395	LA-LA	16.03	69.30	0.41
7396	LA-LA	17.35	69.31	0.41
7397	LA-LA	18.99	69.31	0.41
7398	LA-LA	20.84	69.32	0.41
7399	LA-LA	22.40	69.33	0.41
7400	LA-LA	23.18	69.33	0.41
7401	LA-LA	22.69	69.34	0.41
7402	LA-LA	23.12	69.35	0.41
7403	LA-LA	23.11	69.35	0.39
7404	LA-LA	24.06	69.36	0.39
7405	LA-LA	25.53	69.37	0.39
7406	LA-LA	27.13	69.37	0.39
7407	LA-LA	28.05	69.38	0.39
7408	LA-LA	27.39	69.39	0.39
7409	LA-LA	27.28	69.40	0.39
7410	LA-LA	27.75	69.40	0.39

Page 94 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
7255	LA-LA	0.00	68.94	0.46
7256	LA-LA	0.00	68.94	0.46
7257	LA-LA	0.00	68.94	0.46
7258	LA-LA	0.00	68.94	0.46
7259	LA-LA	0.00	68.94	0.46
7260	LA-LA	0.00	68.94	0.46
7261	LA-LA	0.00	68.94	0.46
7262	LA-LA	0.00	68.94	0.46
7263	LA-LA	0.00	68.94	0.46
7264	LA-LA	0.00	68.94	0.46
7265	LA-LA	0.00	68.94	0.46
7266	LA-LA	0.00	68.94	0.46
7267	LA-LA	0.00	68.94	0.46
7268	LA-LA	0.00	68.94	0.46
7269	LA-LA	0.00	68.94	0.46
7270	LA-LA	0.00	68.94	0.46
7271	LA-LA	0.00	68.94	0.46
7272	LA-LA	0.00	68.94	0.46
7273	LA-LA	0.00	68.94	0.46
7274	LA-LA	0.00	68.94	0.46
7275	LA-LA	0.00	68.94	0.46
7276	LA-LA	0.00	68.94	0.46
7277	LA-LA	0.00	68.94	0.46
7278	LA-LA	0.00	68.94	0.46
7279	LA-LA	0.00	68.94	0.46
7280	LA-LA	0.00	68.94	0.46
7281	LA-LA	0.00	68.94	0.46
7282	LA-LA	0.00	68.94	0.46
7283	LA-LA	0.00	68.94	0.46
7284	LA-LA	0.00	68.94	0.46
7285	LA-LA	0.00	68.94	0.46
7286	LA-LA	0.00	68.94	0.46
7287	LA-LA	0.00	68.94	0.46
7288	LA-LA	0.00	68.94	0.46
7289	LA-LA	0.00	68.94	0.46
7290	LA-LA	0.00	68.94	0.46
7291	LA-LA	0.00	68.94	0.46
7292	LA-LA	0.00	68.94	0.46
7293	LA-LA	0.00	68.94	0.46
7294	LA-LA	0.00	68.94	0.46
7295	LA-LA	0.00	68.94	0.46
7296	LA-LA	2.94	68.95	0.46
7297	LA-LA	7.79	68.95	0.46
7298	LA-LA	11.93	68.95	0.32
7299	LA-LA	14.42	68.95	0.32
7300	LA-LA	16.98	68.96	0.32
7301	LA-LA	19.16	68.96	0.32
7302	LA-LA	21.15	68.97	0.32
7303	LA-LA	23.02	68.98	0.32
7304	LA-LA	24.87	68.98	0.32
7305	LA-LA	26.61	68.99	0.32
7306	LA-LA	28.12	69.00	0.32
7307	LA-LA	29.16	69.01	0.32
7308	LA-LA	29.21	69.01	0.32
7309	LA-LA	28.91	69.02	0.32
7310	LA-LA	29.39	69.03	0.32
7311	LA-LA	29.77	69.04	0.32
7312	LA-LA	29.31	69.05	0.32
7313	LA-LA	29.88	69.06	0.45
7314	LA-LA	30.59	69.06	0.45
7315	LA-LA	31.17	69.07	0.45
7316	LA-LA	31.21	69.08	0.45
7317	LA-LA	30.43	69.09	0.45
7318	LA-LA	29.54	69.10	0.45
7319	LA-LA	28.26	69.11	0.45
7320	LA-LA	25.73	69.11	0.45
7321	LA-LA	23.33	69.12	0.45
7322	LA-LA	21.14	69.12	0.45
7323	LA-LA	19.15	69.13	0.45
7324	LA-LA	17.14	69.13	0.45
7325	LA-LA	15.03	69.14	0.45
7326	LA-LA	12.92	69.14	0.45
7327	LA-LA	10.97	69.15	0.45
7328	LA-LA	8.85	69.15	0.45
7329	LA-LA	5.75	69.15	0.45
7330	LA-LA	3.37	69.15	0.45
7331	LA-LA	1.55	69.15	0.27
7332	LA-LA	0.00	69.15	0.27

Page 96 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
7411	LA-LA	27.17	69.41	0.39
7412	LA-LA	24.61	69.42	0.39
7413	LA-LA	21.80	69.42	0.39
7414	LA-LA	20.46	69.43	0.39
7415	LA-LA	19.87	69.43	0.39
7416	LA-LA	19.51	69.44	0.40
7417	LA-LA	18.31	69.44	0.39
7418	LA-LA	16.86	69.45	0.39
7419	LA-LA	16.24	69.45	0.40
7420	LA-LA	18.31	69.46	0.45
7421	LA-LA	10.57	69.46	0.46
7422	LA-LA	8.26	69.46	0.46
7423	LA-LA	9.36	69.47	0.47
7424	LA-LA	12.61	69.47	0.46
7425	LA-LA	14.94	69.47	0.46
7426	LA-LA	15.04	69.48	0.46
7427	LA-LA	13.19	69.48	0.46
7428	LA-LA	11.99	69.48	0.46
7429	LA-LA	11.60	69.49	0.46
7430	LA-LA	11.21	69.49	0.46
7431	LA-LA	12.64	69.49	0.46
7432	LA-LA	15.31	69.50	0.46
7433	LA-LA	17.68	69.50	0.46
7434	LA-LA	19.76	69.51	0.46
7435	LA-LA	19.86	69.51	0.46
7436	LA-LA	19.95	69.52	0.46
7437	LA-LA	21.47	69.53	0.45
7438	LA-LA	23.61	69.53	0.46
7439	LA-LA	25.63	69.54	0.46
7440	LA-LA	27.80	69.55	0.50
7441	LA-LA	29.44	69.55	0.50
7442	LA-LA	29.71	69.56	0.50
7443	LA-LA	28.90	69.57	0.50
7444	LA-LA	27.95	69.58	0.50
7445	LA-LA	27.84	69.59	0.50
7446	LA-LA	29.19	69.59	0.50
7447	LA-LA	29.54	69.60	0.50
7448	LA-LA	28.70	69.61	0.50
7449	LA-LA	28.47	69.62	0.50
7450	LA-LA	28.10	69.63	0.50
7451	LA-LA	27.33	69.63	0.50
7452	LA-LA	26.01	69.64	0.50
7453	LA-LA	23.68	69.65	0.50
7454	LA-LA	21.21	69.65	0.49
7455	LA-LA	18.42	69.66	0.46
7456	LA-LA	15.49	69.66	0.46
7457	LA-LA	12.53	69.67	0.46
7458	LA-LA	9.55	69.67	0.46
7459	LA-LA	6.47	69.67	0.46
7460	LA-LA	4.76	69.67	0.46
7461	LA-LA	3.21	69.67	0.46
7462	LA-LA	1.20	69.67	0.46
7463	LA-LA	0.00	69.67	0.46
7464	LA-LA	0.00	69.67	0.46
7465	LA-LA	0.00	69.67	0.46
7466	LA-LA	0.00	69.67	0.46
7467	LA-LA	0.00	69.67	0.46
7468	LA-LA	0.00	69.67	0.46
7469	LA-LA	0.00	69.67	0.46
7470	LA-LA	0.00	69.67	0.46
7471	LA-LA	1.55	69.67	0.46
7472	LA-LA	0.00	69.67	0.46
7473	LA-LA	0.00	69.67	0.46
7474	LA-LA	0.00	69.67	0.46
7475	LA-LA	0.00	69.67	0.46
7476	LA-LA	0.00	69.67	0.46
7477	LA-LA	0.00	69.67	0.46
7478	LA-LA	6.05	69.67	0.46
7479	LA-LA	6.05	69.67	0.46
7480	LA-LA	10.42	69.68	0.46
7481	LA-LA	13.82	69.68	0.46
7482	LA-LA	17.05	69.69	0.46
7483	LA-LA	20.54	69.69	0.46
7484	LA-LA	23.60	69.70	0.46
7485	LA-LA	26.46	69.71	0.46
7486	LA-LA	28.74	69.71	0.46
7487	LA-LA	30.40	69.72	0.46
7488	LA-LA	31.81	69.73	0.46

Page 97 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
7489	LA-LA	33.11	69.74	0.46
7490	LA-LA	34.38	69.75	0.46
7491	LA-LA	34.09	69.76	0.62
7492	LA-LA	33.63	69.77	0.62
7493	LA-LA	34.53	69.78	0.62
7494	LA-LA	34.53	69.79	0.62
7495	LA-LA	34.50	69.80	0.62
7496	LA-LA	33.78	69.81	0.62
7497	LA-LA	33.41	69.81	0.62
7498	LA-LA	32.71	69.82	0.62
7499	LA-LA	32.29	69.83	0.62
7500	LA-LA	33.18	69.84	0.62
7501	LA-LA	33.96	69.85	0.88
7502	LA-LA	33.43	69.86	0.88
7503	LA-LA	32.35	69.87	0.88
7504	LA-LA	30.29	69.88	0.88
7505	LA-LA	26.54	69.88	0.88
7506	LA-LA	22.61	69.89	0.88
7507	LA-LA	18.73	69.90	0.88
7508	LA-LA	14.70	69.90	0.88
7509	LA-LA	20.25	69.90	0.88
7510	LA-LA	5.89	69.90	0.88
7511	LA-LA	2.72	69.91	0.88
7512	LA-LA	0.37	69.91	0.88
7513	LA-LA	0.00	69.91	0.88
7514	LA-LA	0.00	69.91	0.88
7515	LA-LA	0.00	69.91	0.88
7516	LA-LA	0.00	69.91	0.88
7517	LA-LA	0.00	69.91	0.88
7518	LA-LA	0.00	69.91	0.88
7519	LA-LA	0.00	69.91	0.88
7520	LA-LA	0.00	69.91	0.88
7521	LA-LA	0.00	69.91	0.88
7522	LA-LA	0.00	69.91	0.88
7523	LA-LA	0.00	69.91	0.88
7524	LA-LA	0.00	69.91	0.88
7525	LA-LA	0.00	69.91	0.88
7526	LA-LA	0.00	69.91	0.88
7527	LA-LA	0.00	69.91	0.88
7528	LA-LA	0.00	69.91	0.88
7529	LA-LA	0.00	69.91	0.88
7530	LA-LA	0.00	69.91	0.88
7531	LA-LA	0.00	69.91	0.88
7532	LA-LA	0.00	69.91	0.88
7533	LA-LA	0.00	69.91	0.88
7534	LA-LA	0.00	69.91	0.88
7535	LA-LA	0.00	69.91	0.88
7536	LA-LA	0.00	69.91	0.88
7537	LA-LA	0.00	69.91	0.88
7538	LA-LA	0.00	69.91	0.88
7539	LA-LA	0.00	69.91	0.88
7540	LA-LA	0.00	69.91	0.88
7541	LA-LA	0.00	69.91	0.88
7542	LA-LA	0.00	69.91	0.88
7543	LA-LA	0.00	69.91	0.88
7544	LA-LA	0.00	69.91	0.88
7545	LA-LA	0.00	69.91	0.88
7546	LA-LA	0.00	69.91	0.88
7547	LA-LA	0.00	69.91	0.88
7548	LA-LA	0.00	69.91	0.88
7549	LA-LA	0.00	69.91	0.88
7550	LA-LA	0.00	69.91	0.88
7551	LA-LA	0.00	69.91	0.88
7552	LA-LA	0.00	69.91	0.88
7553	LA-LA	0.00	69.91	0.88
7554	LA-LA	0.00	69.91	0.88
7555	LA-LA	0.00	69.91	0.88
7556	LA-LA	0.00	69.91	0.88
7557	LA-LA	0.00	69.91	0.88
7558	LA-LA	0.00	69.91	0.88
7559	LA-LA	0.00	69.91	0.88
7560	LA-LA	0.00	69.91	0.88
7561	LA-LA	0.00	69.91	0.88
7562	LA-LA	0.00	69.91	0.88
7563	LA-LA	0.00	69.91	0.88
7564	LA-LA	0.00	69.91	0.88
7565	LA-LA	0.52	69.91	0.88
7566	LA-LA	5.02	69.91	0.88

Page 99 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
7645	LA-LA	0.00	70.16	1.97
7646	LA-LA	0.00	70.16	1.97
7647	LA-LA	0.00	70.16	1.97
7648	LA-LA	0.00	70.16	1.97
7649	LA-LA	0.00	70.16	1.97
7650	LA-LA	0.00	70.16	1.97
7651	LA-LA	0.00	70.16	1.97
7652	LA-LA	0.41	70.16	1.97
7653	LA-LA	0.27	70.16	1.97
7654	LA-LA	0.00	70.16	1.97
7655	LA-LA	0.00	70.16	1.97
7656	LA-LA	0.75	70.16	1.97
7657	LA-LA	5.95	70.16	1.97
7658	LA-LA	11.65	70.16	1.97
7659	LA-LA	15.75	70.17	1.97
7660	LA-LA	19.40	70.17	1.97
7661	LA-LA	23.35	70.18	1.97
7662	LA-LA	26.58	70.19	1.97
7663	LA-LA	28.74	70.20	1.97
7664	LA-LA	30.21	70.20	1.97
7665	LA-LA	31.17	70.21	1.97
7666	LA-LA	31.95	70.22	1.97
7667	LA-LA	32.57	70.23	1.97
7668	LA-LA	33.08	70.24	1.97
7669	LA-LA	34.10	70.25	1.97
7670	LA-LA	35.82	70.26	4.42
7671	LA-LA	36.62	70.27	4.42
7672	LA-LA	36.91	70.28	4.42
7673	LA-LA	36.69	70.29	4.42
7674	LA-LA	36.09	70.30	4.42
7675	LA-LA	35.61	70.31	4.42
7676	LA-LA	36.02	70.32	4.42
7677	LA-LA	37.27	70.33	4.42
7678	LA-LA	38.75	70.34	4.42
7679	LA-LA	39.58	70.35	4.42
7680	LA-LA	39.80	70.36	5.80
7681	LA-LA	38.66	70.37	5.80
7682	LA-LA	36.40	70.38	5.80
7683	LA-LA	33.75	70.39	5.80
7684	LA-LA	30.08	70.40	5.80
7685	LA-LA	27.62	70.41	5.80
7686	LA-LA	26.69	70.41	5.80
7687	LA-LA	24.66	70.42	5.80
7688	LA-LA	21.35	70.43	5.80
7689	LA-LA	18.08	70.43	5.80
7690	LA-LA	16.38	70.44	5.80
7691	LA-LA	16.66	70.44	5.80
7692	LA-LA	18.07	70.45	5.80
7693	LA-LA	19.53	70.45	4.45
7694	LA-LA	20.85	70.46	4.45
7695	LA-LA	22.15	70.46	4.45
7696	LA-LA	22.75	70.47	4.45
7697	LA-LA	22.80	70.48	4.45
7698	LA-LA	22.39	70.48	4.45
7699	LA-LA	23.41	70.49	4.45
7700	LA-LA	25.18	70.49	4.45
7701	LA-LA	26.81	70.50	4.45
7702	LA-LA	28.05	70.51	4.45
7703	LA-LA	29.59	70.52	4.45
7704	LA-LA	30.72	70.53	4.45
7705	LA-LA	31.34	70.54	4.45
7706	LA-LA	32.32	70.54	4.45
7707	LA-LA	32.62	70.55	4.23
7708	LA-LA	32.11	70.56	4.23
7709	LA-LA	30.42	70.57	4.23
7710	LA-LA	28.78	70.58	4.23
7711	LA-LA	27.12	70.59	4.23
7712	LA-LA	24.99	70.59	4.23
7713	LA-LA	21.61	70.60	4.23
7714	LA-LA	16.91	70.60	4.23
7715	LA-LA	11.82	70.61	4.23
7716	LA-LA	6.74	70.61	4.23
7717	LA-LA	3.16	70.61	4.23
7718	LA-LA	0.46	70.61	4.23
7719	LA-LA	0.00	70.61	4.23
7720	LA-LA	0.00	70.61	4.23
7721	LA-LA	0.00	70.61	4.23
7722	LA-LA	0.00	70.61	4.23

Page 98 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
7567	LA-LA	9.76	69.91	0.88
7568	LA-LA	13.36	69.91	0.88
7569	LA-LA	16.33	69.92	0.88
7570	LA-LA	19.61	69.92	0.88
7571	LA-LA	22.61	69.93	0.88
7572	LA-LA	23.53	69.94	0.88
7573	LA-LA	23.41	69.94	0.88
7574	LA-LA	24.63	69.95	0.88
7575	LA-LA	25.30	69.96	0.32
7576	LA-LA	27.06	69.96	0.32
7577	LA-LA	28.81	69.97	0.32
7578	LA-LA	30.98	69.98	0.32
7579	LA-LA	33.03	69.99	0.32
7580	LA-LA	34.75	70.00	0.32
7581	LA-LA	36.23	70.01	0.32
7582	LA-LA	37.27	70.02	0.32
7583	LA-LA	36.33	70.03	0.32
7584	LA-LA	35.54	70.04	0.32
7585	LA-LA	34.10	70.05	0.32
7586	LA-LA	31.46	70.06	0.57
7587	LA-LA	28.00	70.06	0.57
7588	LA-LA	24.29	70.07	0.57
7589	LA-LA	20.78	70.08	0.57
7590	LA-LA	18.42	70.08	0.57
7591	LA-LA	18.93	70.09	0.57
7592	LA-LA	21.20	70.09	0.57
7593	LA-LA	23.75	70.10	0.57
7594	LA-LA	26.09	70.11	0.57
7595	LA-LA	27.66	70.11	0.57
7596	LA-LA	27.68	70.12	0.57
7597	LA-LA	26.74	70.13	0.57
7598	LA-LA	24.34	70.14	0.57
7599	LA-LA	20.88	70.14	0.57
7600	LA-LA	17.22	70.15	0.57
7601	LA-LA	13.88	70.15	0.57
7602	LA-LA	11.26	70.15	1.97
7603	LA-LA	8.82	70.16	1.97
7604	LA-LA	6.05	70.16	1.97
7605	LA-LA	3.63	70.16	1.97
7606	LA-LA	1.33	70.16	1.97
7607	LA-LA	0.00	70.16	1.97
7608	LA-LA	0.00	70.16	1.97
7609	LA-LA	0.82	70.16	1.97
7610	LA-LA	0.42	70.16	1.97
7611	LA-LA	0.00	70.16	1.97
7612	LA-LA	0.00	70.16	1.97
7613	LA-LA	0.00	70.16	1.97
7614	LA-LA	0.00	70.16	1.97
7615	LA-LA	0.00	70.16	1.97
7616	LA-LA	0.00	70.16	1.97
7617	LA-LA	0.00	70.16	1.97
7618	LA-LA	0.00	70.16	1.97
7619	LA-LA	0.00	70.16	1.97
7620	LA-LA	0.00	70.16	1.97
7621	LA-LA	0.00	70.16	1.97
7622	LA-LA	0.00	70.16	1.97
7623	LA-LA	0.00	70.16	1.97
7624	LA-LA	0.00	70.16	1.97
7625	LA-LA	0.00	70.16	1.97
7626	LA-LA	0.00	70.16	1.97
7627	LA-LA	0.00	70.16	1.97
7628	LA-LA	0.00	70.16	1.97
7629	LA-LA	0.00	70.16	1.97
7630	LA-LA	0.00	70.16	1.97
7631	LA-LA	0.00	70.16	1.97
7632	LA-LA	0.00	70.16	1.97
7633	LA-LA	0.00	70.16	1.97
7634	LA-LA	0.00	70.16	1.97
7635	LA-LA	0.00	70.16	1.97
7636	LA-LA	0.00	70.16	1.97
7637	LA-LA	0.00	70.16	1.97
7638	LA-LA	0.00	70.16	1.97
7639	LA-LA	0.00	70.16	1.97
7640	LA-LA	0.00	70.16	1.97
7641	LA-LA	0.00	70.16	1.97
7642	LA-LA	0.00	70.16	1.97
7643	LA-LA	0.00	70.16	1.97
7644	LA-LA	0.00	70.16	1.97

Page 100 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
7723	LA-LA	0.00	70.61	4.23
7724	LA-LA	0.00	70.61	4.23
7725	LA-LA	0.00	70.61	4.23
7726	LA-LA	0.00	70.61	4.23
7727	LA-LA	0.00	70.61	4.23
7728	LA-LA	0.00	70.61	4.23
7729	LA-LA	0.00	70.61	4.23
7730	LA-LA	0.00	70.61	4.23
7731	LA-LA	0.00	70.61	4.23
7732	LA-LA	0.00	70.61	4.23
7733	LA-LA	1.69	70.61	4.23
7734	LA-LA	6.21	70.61	4.23
7735	LA-A	8.92	70.61	4.23
7736	LA-A	7.92	70.62	4.23
7737	LA-A	5.70	70.62	4.23
7738	LA-A	3.05	70.62	4.23
7739	LA-A	0.22	70.62	4.23
7740	LA-LA	0.00	70.62	4.23
7741	LA-LA	0.00	70.62	4.23
7742	LA-LA	0.19	70.62	4.23
7743	LA-A	3.57	70.62	4.23
7744	LA-LA	6.90	70.62	4.23
7745	LA-A	6.86	70.62	4.23
7746	LA-A	5.00	70.62	4.23
7747	LA-A	4.73	70.63	4.23
7748	LA-LA	6.10	70.63	4.23
7749	LA-A	9.06	70.63	4.23
7750	LA-LA	12.29	70.63	4.23
7751	LA-A	14.96	70.64	4.23
7752	LA-A	18.48	70.64	4.23
7753	LA-A	22.04	70.65	4.23
7754	LA-A	25.11	70.66	0.12
7755	LA-A	27.58	70.66	0.12
7756	LA-A	29.10	70.67	0.12
7757	LA-A	30.34	70.68	0.12
7758	LA-A	31.19	70.69	0.12
7759	LA-A	30.59	70.69	0.12
7760	LA-A	29.69	70.70	0.12
7761	LA-A	28.64	70.71	0.12
7762	LA-A	27.61	70.72	0.12
7763	LA-A	26.43	70.73	0.12
7764	LA-A	25.77	70.73	0.12
7765	LA-A	23.78	70.74	0.12
7766	LA-A	21.15	70.75	0.12
7767	LA-A	18.36	70.75	-1.84
7768	LA-A	15.40	70.76	-1.84
7769	LA-A	12.47	70.76	-1.84
7770	LA-A	8.89	70.76	-1.84
7771	LA-A	5.22	70.76	-1.84
7772	LA-A	2.98	70.76	-1.84
7773	LA-A	1.00	70.76	-1.84
7774	LA-A	0.00	70.76	-1.84
7775	LA-A	0.00	70.76	-1.84
7776	LA-A	0.00	70.76	-1.84
7777	LA-A	0.00	70.76	-1.84
7778	LA-A	0.00	70.76	-1.84
7779	LA-A	1.84	70.77	-1.84
7780	LA-A	4.39	70.77	-1.84
7781	LA-A	6.63	70.77	-1.84
7782	LA-A	7.51	70.77	-1.84
7783	LA-A	7.96	70.77	-1.84
7784	LA-A	8.31	70.77	-1.84
7785	LA-A	10.18	70.78	-1.84
7786	LA-A	10.88	70.78	-1.84
7787	LA-A	11.03	70.78	-1.84
7788	LA-A	11.19	70.79	-1.84
7789	LA-A	12.58	70.79	-1.84
7790	LA-A	15.48	70.79	-1.84
7791	LA-A	17.41	70.80	-1.84
7792	LA-A	19.52	70.80	-1.84
7793	LA-A	22.61	70.81	-1.84
7794	LA-A	25.06	70.82	-1.84
7795	LA-A	27.29	70.83	-1.84
7796	LA-A	29.68	70.83	-1.84
7797	LA-A	32.06	70.84	-1.84
7798	LA-A	34.22	70.85	-2.69
7799	LA-A	36.88	70.86	-2.69
7800	LA-A	39.65	70.87	-2.69

Page 101 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
7801	LA-LA	41.19	70.88	-2.69
7802	LA-LA	42.14	70.90	-2.69
7803	LA-LA	43.96	70.91	-2.69
7804	LA-LA	45.16	70.92	-2.69
7805	LA-LA	45.81	70.93	-2.69
7806	LA-LA	45.68	70.95	-2.69
7807	LA-LA	44.95	70.96	0.40
7808	LA-LA	44.11	70.97	0.40
7809	LA-LA	43.02	70.98	0.40
7810	LA-LA	42.14	70.99	0.40
7811	LA-LA	40.72	71.00	0.40
7812	LA-LA	38.30	71.01	0.40
7813	LA-LA	36.17	71.02	0.40
7814	LA-LA	35.06	71.03	0.40
7815	LA-LA	34.33	71.04	0.40
7816	LA-LA	34.50	71.05	-5.84
7817	LA-LA	35.00	71.06	-5.84
7818	LA-LA	35.15	71.07	-5.84
7819	LA-LA	34.54	71.08	-5.84
7820	LA-LA	34.81	71.09	-5.84
7821	LA-LA	35.28	71.10	-5.84
7822	LA-LA	35.78	71.11	-5.84
7823	LA-LA	36.16	71.12	-5.84
7824	LA-LA	35.75	71.13	-5.84
7825	LA-LA	35.90	71.14	-5.84
7826	LA-LA	34.14	71.15	2.90
7827	LA-LA	28.44	71.16	2.90
7828	LA-LA	23.13	71.16	2.90
7829	LA-LA	18.27	71.17	2.90
7830	LA-LA	14.95	71.17	2.90
7831	LA-LA	12.39	71.18	2.90
7832	LA-LA	10.40	71.18	2.90
7833	LA-LA	9.49	71.18	2.90
7834	LA-LA	9.43	71.18	2.90
7835	LA-LA	9.85	71.19	2.90
7836	LA-LA	9.83	71.19	2.90
7837	LA-LA	8.98	71.19	2.90
7838	LA-LA	8.29	71.20	2.90
7839	LA-LA	7.95	71.20	2.90
7840	LA-LA	8.07	71.20	2.90
7841	LA-LA	8.31	71.20	2.90
7842	LA-LA	7.78	71.20	2.90
7843	LA-LA	6.86	71.21	2.90
7844	LA-LA	6.07	71.21	2.90
7845	LA-LA	5.41	71.21	2.90
7846	LA-LA	5.05	71.21	2.90
7847	LA-LA	3.67	71.21	2.90
7848	LA-LA	2.11	71.21	2.90
7849	LA-LA	2.67	71.21	2.90
7850	LA-LA	4.04	71.21	2.90
7851	LA-LA	5.18	71.22	2.90
7852	LA-LA	5.41	71.22	2.90
7853	LA-LA	4.95	71.22	2.90
7854	LA-LA	5.08	71.22	2.90
7855	LA-LA	6.15	71.22	2.90
7856	LA-LA	7.98	71.22	2.90
7857	LA-LA	5.82	71.22	2.90
7858	LA-LA	2.71	71.23	2.90
7859	LA-LA	0.41	71.23	2.90
7860	LA-LA	0.00	71.23	2.90
7861	LA-LA	0.69	71.23	2.90
7862	LA-LA	3.90	71.23	2.90
7863	LA-LA	6.84	71.23	2.90
7864	LA-LA	7.64	71.23	2.90
7865	LA-LA	6.97	71.23	2.90
7866	LA-LA	6.99	71.23	2.90
7867	LA-LA	9.09	71.24	2.90
7868	LA-LA	11.14	71.24	2.90
7869	LA-LA	10.57	71.24	2.90
7870	LA-LA	7.92	71.25	2.90
7871	LA-LA	5.83	71.25	2.90
7872	LA-LA	3.69	71.25	2.90
7873	LA-LA	2.41	71.25	2.90
7874	LA-LA	3.64	71.25	2.90
7875	LA-LA	5.88	71.25	1.18
7876	LA-LA	7.21	71.25	1.18
7877	LA-LA	7.64	71.26	1.18
7878	LA-LA	7.46	71.26	1.18

Page 103 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
7957	LA-LA	43.54	71.68	-1.25
7958	LA-LA	44.02	71.69	-1.25
7959	LA-LA	43.73	71.70	-1.25
7960	LA-LA	43.28	71.72	-1.25
7961	LA-LA	42.38	71.73	-1.25
7962	LA-LA	40.62	71.74	-1.25
7963	LA-LA	38.32	71.75	-1.25
7964	LA-LA	36.62	71.76	-0.08
7965	LA-LA	36.21	71.77	-0.08
7966	LA-LA	36.67	71.78	-0.08
7967	LA-LA	37.78	71.79	-0.08
7968	LA-LA	39.54	71.80	-0.08
7969	LA-LA	41.20	71.81	-0.08
7970	LA-LA	42.41	71.82	-0.08
7971	LA-LA	42.20	71.84	-0.08
7972	LA-LA	41.15	71.85	-0.08
7973	LA-LA	40.38	71.86	1.23
7974	LA-LA	41.37	71.87	1.23
7975	LA-LA	42.60	71.88	1.23
7976	LA-LA	43.60	71.89	1.23
7977	LA-LA	44.79	71.91	1.23
7978	LA-LA	44.86	71.92	1.23
7979	LA-LA	44.91	71.93	1.23
7980	LA-LA	46.56	71.94	1.23
7981	LA-LA	46.66	71.96	-1.63
7982	LA-LA	47.76	71.97	-1.63
7983	LA-LA	49.20	71.98	-1.63
7984	LA-LA	50.00	72.00	-1.63
7985	LA-LA	49.44	72.01	-1.63
7986	LA-LA	48.91	72.02	-1.63
7987	LA-LA	49.30	72.04	-1.63
7988	LA-LA	50.49	72.05	-1.37
7989	LA-LA	51.87	72.07	-1.37
7990	LA-LA	53.32	72.08	-1.37
7991	LA-LA	54.94	72.09	-1.37
7992	LA-LA	56.69	72.11	-1.37
7993	LA-LA	58.09	72.13	-1.37
7994	LA-LA	59.18	72.14	-1.37
7995	LA-LA	59.29	72.16	-3.40
7996	LA-LA	60.06	72.18	-3.40
7997	LA-LA	61.25	72.19	-3.40
7998	LA-LA	61.53	72.21	-3.40
7999	LA-LA	61.67	72.23	-3.40
8000	LA-LA	61.37	72.24	-3.40
8001	LA-LA	61.12	72.26	-2.39
8002	LA-LA	60.49	72.28	-2.39
8003	LA-LA	60.73	72.29	-2.39
8004	LA-LA	61.56	72.31	-2.39
8005	LA-LA	62.17	72.33	-2.39
8006	LA-LA	63.00	72.34	-2.39
8007	LA-LA	62.64	72.36	-0.35
8008	LA-LA	61.72	72.38	-0.35
8009	LA-LA	61.84	72.40	-0.35
8010	LA-LA	62.19	72.41	-0.35
8011	LA-LA	62.81	72.43	-0.35
8012	LA-LA	63.29	72.45	-0.35
8013	LA-LA	63.15	72.46	0.03
8014	LA-LA	62.83	72.48	0.03
8015	LA-LA	63.19	72.50	0.03
8016	LA-LA	63.63	72.52	0.03
8017	LA-LA	63.93	72.53	0.03
8018	LA-LA	63.76	72.55	-3.44
8019	LA-LA	64.19	72.57	-3.44
8020	LA-LA	64.90	72.59	-3.44
8021	LA-LA	65.92	72.61	-3.44
8022	LA-LA	66.88	72.62	-3.44
8023	LA-LA	67.55	72.64	-3.44
8024	LA-LA	67.62	72.66	0.57
8025	LA-LA	66.43	72.68	0.57
8026	LA-LA	65.69	72.70	0.57
8027	LA-LA	65.98	72.72	0.57
8028	LA-LA	66.74	72.73	0.57
8029	LA-LA	67.56	72.75	-0.32
8030	LA-LA	68.03	72.77	-0.32
8031	LA-LA	68.00	72.79	-0.32
8032	LA-LA	67.28	72.81	-0.32
8033	LA-LA	66.83	72.83	-0.32
8034	LA-LA	66.42	72.85	-0.32

Page 102 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
7879	LA-LA	7.17	71.26	1.18
7880	LA-LA	6.74	71.26	1.18
7881	LA-LA	6.60	71.26	1.18
7882	LA-LA	8.09	71.27	1.18
7883	LA-LA	11.39	71.27	1.18
7884	LA-LA	13.57	71.27	1.18
7885	LA-LA	15.01	71.28	1.18
7886	LA-LA	15.32	71.28	1.18
7887	LA-LA	16.52	71.29	1.18
7888	LA-LA	16.58	71.29	1.18
7889	LA-LA	16.50	71.29	1.18
7890	LA-LA	15.78	71.30	1.18
7891	LA-LA	13.95	71.30	1.18
7892	LA-LA	11.15	71.31	1.18
7893	LA-LA	6.89	71.31	1.18
7894	LA-LA	3.30	71.31	1.18
7895	LA-LA	1.20	71.31	1.18
7896	LA-LA	1.85	71.31	1.18
7897	LA-LA	4.50	71.31	1.18
7898	LA-LA	8.33	71.31	1.18
7899	LA-LA	9.84	71.32	1.18
7900	LA-LA	9.77	71.32	1.18
7901	LA-LA	11.41	71.32	1.18
7902	LA-LA	13.02	71.32	1.18
7903	LA-LA	13.56	71.33	1.18
7904	LA-LA	13.66	71.33	1.18
7905	LA-LA	14.59	71.34	1.18
7906	LA-LA	14.81	71.34	1.18
7907	LA-LA	14.30	71.34	1.18
7908	LA-LA	13.12	71.35	1.18
7909	LA-LA	12.22	71.35	-1.92
7910	LA-LA	10.20	71.35	-1.92
7911	LA-LA	8.79	71.36	-1.92
7912	LA-LA	8.35	71.36	-1.92
7913	LA-LA	10.18	71.36	-1.92
7914	LA-LA	11.52	71.36	-1.92
7915	LA-LA	12.00	71.37	-1.92
7916	LA-LA	13.02	71.37	-1.92
7917	LA-LA	13.10	71.38	-1.92
7918	LA-LA	13.00	71.38	-1.92
7919	LA-LA	14.42	71.38	-1.92
7920	LA-LA	16.59	71.39	-1.92
7921	LA-LA	18.27	71.39	-1.92
7922	LA-LA	18.41	71.40	-1.92
7923	LA-LA	19.23	71.40	-1.92
7924	LA-LA	20.54	71.41	-1.92
7925	LA-LA	20.50	71.41	-1.92
7926	LA-LA	20.11	71.42	-1.92
7927	LA-LA	19.76	71.42	-1.92
7928	LA-LA	20.27	71.43	-1.92
7929	LA-LA	20.65	71.44	-1.92
7930	LA-LA	20.25	71.44	-1.92
7931	LA-LA	19.65	71.45	-1.92
7932	LA-LA	20.25	71.45	-2.36
7933	LA-LA	21.87	71.46	-2.36
7934	LA-LA	22.95	71.46	-2.36
7935	LA-LA	24.06	71.47	-2.36
7936	LA-LA	25.64	71.48	-2.36
7937	LA-LA	27.77	71.49	-2.36
7938	LA-LA	30.46	71.49	-2.36
7939	LA-LA	31.36	71.50	-2.36
7940	LA-LA	30.45	71.51	-2.36
7941	LA-LA	28.73	71.52	-2.36
7942	LA-LA	27.12	71.53	-2.36
7943	LA-LA	27.17	71.53	-2.36
7944	LA-LA	28.82	71.54	-2.36
7945	LA-LA	30.85	71.55	-0.44
7946	LA-LA	33.12	71.56	-0.44
7947	LA-LA	35.67	71.57	-0.44
7948	LA-LA	38.05	71.58	-0.44
7949	LA-LA	38.26	71.59	-0.44
7950	LA-LA	38.28	71.60	-0.44
7951	LA-LA	39.59	71.61	-0.44
7952	LA-LA	40.09	71.62	-0.44
7953	LA-LA	39.99	71.63	-0.44
7954	LA-LA	40.57	71.65	-0.44
7955	LA-LA	41.86	71.66	-1.25
7956	LA-LA	42.98	71.67	-1.25

Page 104 of 279

time (s)

Page 105 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
8113	LA-LA	57.23	74.07	-0.72
8114	LA-LA	56.58	74.08	-0.72
8115	LA-LA	56.45	74.10	-0.72
8116	LA-LA	56.67	74.11	-0.72
8117	LA-LA	56.12	74.13	-0.72
8118	LA-LA	55.66	74.14	-0.72
8119	LA-LA	56.14	74.16	-2.72
8120	LA-LA	56.95	74.17	2.72
8121	LA-LA	57.71	74.19	2.72
8122	LA-LA	57.14	74.21	2.72
8123	LA-LA	55.85	74.22	2.72
8124	LA-LA	53.42	74.24	2.72
8125	LA-LA	50.69	74.25	-2.57
8126	LA-LA	48.09	74.26	-2.57
8127	LA-LA	46.44	74.28	-2.57
8128	LA-LA	46.15	74.29	-2.57
8129	LA-LA	46.69	74.30	-2.57
8130	LA-LA	47.98	74.31	-2.57
8131	LA-LA	49.64	74.33	-2.57
8132	LA-LA	51.24	74.34	-2.57
8133	LA-LA	52.49	74.36	0.67
8134	LA-LA	53.73	74.37	0.67
8135	LA-LA	54.85	74.39	0.67
8136	LA-LA	55.19	74.40	0.67
8137	LA-LA	54.14	74.42	0.67
8138	LA-LA	52.98	74.43	0.67
8139	LA-LA	52.80	74.45	0.67
8140	LA-LA	52.30	74.46	2.24
8141	LA-LA	51.76	74.47	2.24
8142	LA-LA	51.14	74.49	2.24
8143	LA-LA	50.62	74.50	2.24
8144	LA-LA	50.56	74.52	2.24
8145	LA-LA	50.88	74.53	2.24
8146	LA-LA	51.35	74.54	2.24
8147	LA-LA	52.07	74.56	-0.27
8148	LA-LA	51.89	74.57	-0.27
8149	LA-LA	50.82	74.59	-0.27
8150	LA-LA	49.49	74.60	-0.27
8151	LA-LA	48.20	74.61	-0.27
8152	LA-LA	48.09	74.63	-0.27
8153	LA-LA	48.31	74.64	-0.27
8154	LA-LA	48.75	74.65	-0.55
8155	LA-LA	48.43	74.67	-0.55
8156	LA-LA	47.80	74.68	-0.55
8157	LA-LA	47.26	74.69	-0.55
8158	LA-LA	45.61	74.71	-0.55
8159	LA-LA	43.58	74.72	-0.55
8160	LA-LA	41.49	74.73	-0.55
8161	LA-LA	38.85	74.74	-0.55
8162	LA-LA	36.04	74.75	-0.55
8163	LA-LA	33.23	74.76	-0.03
8164	LA-LA	30.50	74.77	-0.03
8165	LA-LA	27.64	74.77	-0.03
8166	LA-LA	24.32	74.78	-0.03
8167	LA-LA	20.95	74.79	-0.03
8168	LA-LA	17.51	74.79	-0.03
8169	LA-LA	14.26	74.80	-0.03
8170	LA-LA	11.67	74.80	-0.03
8171	LA-LA	9.22	74.80	-0.03
8172	LA-LA	6.37	74.80	-0.03
8173	LA-LA	4.25	74.80	-0.03
8174	LA-LA	3.30	74.81	-0.03
8175	LA-LA	2.46	74.81	-0.03
8176	LA-LA	1.65	74.81	-0.03
8177	LA-LA	0.60	74.81	-0.03
8178	LA-LA	0.00	74.81	-0.03
8179	LA-LA	0.00	74.81	-0.03
8180	LA-LA	0.00	74.81	-0.03
8181	LA-LA	0.00	74.81	-0.03
8182	LA-LA	0.00	74.81	-0.03
8183	LA-LA	0.00	74.81	-0.03
8184	LA-LA	0.00	74.81	-0.03
8185	LA-LA	0.00	74.81	-0.03
8186	LA-LA	0.00	74.81	-0.03
8187	LA-LA	0.00	74.81	-0.03
8188	LA-LA	0.00	74.81	-0.03
8189	LA-LA	0.00	74.81	-0.03
8190	LA-LA	0.00	74.81	-0.03

Page 107 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
8269	LA-LA	34.84	75.06	-0.22
8270	LA-LA	34.22	75.07	-0.22
8271	LA-LA	33.74	75.08	-0.22
8272	LA-LA	34.41	75.09	-0.22
8273	LA-LA	34.95	75.10	-0.22
8274	LA-LA	35.21	75.11	-0.22
8275	LA-LA	35.23	75.12	-0.22
8276	LA-LA	34.67	75.13	-0.22
8277	LA-LA	33.92	75.14	-0.22
8278	LA-LA	33.21	75.15	-0.22
8279	LA-LA	32.47	75.16	-0.44
8280	LA-LA	32.39	75.17	-0.44
8281	LA-LA	31.85	75.18	-0.44
8282	LA-LA	32.30	75.18	-0.44
8283	LA-LA	33.06	75.19	-0.44
8284	LA-LA	33.86	75.20	-0.44
8285	LA-LA	34.11	75.21	-0.44
8286	LA-LA	33.66	75.22	-0.44
8287	LA-LA	33.01	75.23	-0.44
8288	LA-LA	32.39	75.24	-0.44
8289	LA-LA	32.08	75.25	-0.44
8290	LA-LA	32.34	75.26	-0.50
8291	LA-LA	31.66	75.27	-0.50
8292	LA-LA	31.29	75.27	-0.50
8293	LA-LA	30.63	75.28	-0.50
8294	LA-LA	28.52	75.29	-0.50
8295	LA-LA	25.39	75.30	-0.50
8296	LA-LA	22.36	75.30	-0.50
8297	LA-LA	20.18	75.31	-0.50
8298	LA-LA	20.39	75.31	-0.50
8299	LA-LA	22.07	75.32	-0.50
8300	LA-LA	24.16	75.33	-0.50
8301	LA-LA	25.91	75.33	-0.50
8302	LA-LA	27.79	75.34	-0.50
8303	LA-LA	29.57	75.35	-0.69
8304	LA-LA	31.30	75.36	-0.69
8305	LA-LA	32.70	75.37	-0.69
8306	LA-LA	32.57	75.38	-0.69
8307	LA-LA	32.48	75.39	-0.69
8308	LA-LA	32.54	75.39	-0.69
8309	LA-LA	32.63	75.40	-0.69
8310	LA-LA	32.48	75.41	-0.69
8311	LA-LA	31.60	75.42	-0.69
8312	LA-LA	29.37	75.43	-0.69
8313	LA-LA	26.26	75.44	-0.69
8314	LA-LA	22.42	75.44	-0.69
8315	LA-LA	18.02	75.45	-0.69
8316	LA-LA	13.74	75.45	-0.14
8317	LA-LA	10.08	75.45	-0.14
8318	LA-LA	7.22	75.46	-0.14
8319	LA-LA	5.29	75.46	-0.14
8320	LA-LA	3.39	75.46	-0.14
8321	LA-LA	1.18	75.46	-0.14
8322	LA-LA	0.00	75.46	-0.14
8323	LA-LA	0.00	75.46	-0.14
8324	LA-LA	0.00	75.46	-0.14
8325	LA-LA	0.00	75.46	-0.14
8326	LA-LA	0.00	75.46	-0.14
8327	LA-LA	0.00	75.46	-0.14
8328	LA-LA	0.83	75.46	-0.14
8329	LA-LA	1.41	75.46	-0.14
8330	LA-LA	1.21	75.46	-0.14
8331	LA-LA	0.85	75.46	-0.14
8332	LA-LA	0.00	75.46	-0.14
8333	LA-LA	0.00	75.46	-0.14
8334	LA-LA	0.00	75.46	-0.14
8335	LA-LA	0.00	75.46	-0.14
8336	LA-LA	0.18	75.46	-0.14
8337	LA-LA	1.29	75.46	-0.14
8338	LA-LA	1.08	75.46	-0.14
8339	LA-LA	0.85	75.46	-0.14
8340	LA-LA	0.73	75.46	-0.14
8341	LA-LA	1.23	75.46	-0.14
8342	LA-LA	2.25	75.46	-0.14
8343	LA-LA	2.98	75.46	-0.14
8344	LA-LA	3.01	75.46	-0.14
8345	LA-LA	4.32	75.46	-0.14
8346	LA-LA	6.67	75.47	-0.14

Page 106 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
8191	LA-LA	0.00	74.81	-0.03
8192	LA-LA	0.00	74.81	-0.03
8193	LA-LA	0.00	74.81	-0.03
8194	LA-LA	0.00	74.81	-0.03
8195	LA-LA	0.00	74.81	-0.03
8196	LA-LA	0.00	74.81	-0.03
8197	LA-LA	0.00	74.81	-0.03
8198	LA-LA	0.00	74.81	-0.03
8199	LA-LA	0.00	74.81	-0.03
8200	LA-LA	0.00	74.81	-0.03
8201	LA-LA	0.00	74.81	-0.03
8202	LA-LA	0.00	74.81	-0.03
8203	LA-LA	0.00	74.81	-0.03
8204	LA-LA	0.00	74.81	-0.03
8205	LA-LA	0.00	74.81	-0.03
8206	LA-LA	0.00	74.81	-0.03
8207	LA-LA	0.00	74.81	-0.03
8208	LA-LA	0.16	74.81	-0.03
8209	LA-LA	1.70	74.81	-0.03
8210	LA-LA	3.04	74.81	-0.03
8211	LA-LA	3.01	74.81	-0.03
8212	LA-LA	2.78	74.81	-0.03
8213	LA-LA	5.06	74.81	-0.03
8214	LA-LA	9.83	74.81	-0.03
8215	LA-LA	13.37	74.82	-0.03
8216	LA-LA	15.65	74.82	-0.03
8217	LA-LA	16.50	74.83	-0.03
8218	LA-LA	17.81	74.83	-0.03
8219	LA-LA	17.88	74.84	-0.03
8220	LA-LA	17.71	74.84	-0.03
8221	LA-LA	18.69	74.85	-0.03
8222	LA-LA	18.91	74.85	-0.55
8223	LA-LA	18.62	74.86	-0.55
8224	LA-LA	18.33	74.86	-0.55
8225	LA-LA	17.29	74.87	-0.55
8226	LA-LA	15.71	74.87	-0.55
8227	LA-LA	13.90	74.87	-0.55
8228	LA-LA	11.90	74.88	-0.55
8229	LA-LA	9.76	74.88	-0.55
8230	LA-LA	7.27	74.88	-0.55
8231	LA-LA	5.35	74.88	-0.55
8232	LA-LA	4.30	74.89	-0.55
8233	LA-LA	3.22	74.89	-0.55
8234	LA-LA	1.65	74.89	-0.55
8235	LA-LA	0.15	74.89	-0.55
8236	LA-LA	0.00	74.89	-0.55
8237	LA-LA	0.00	74.89	-0.55
8238	LA-LA	0.00	74.89	-0.55
8239	LA-LA	0.00	74.89	-0.55
8240	LA-LA	0.00	74.89	-0.55
8241	LA-LA	0.00	74.89	-0.55
8242	LA-LA	0.98	74.89	-0.55
8243	LA-LA	2.82	74.89	-0.55
8244	LA-LA	6.98	74.89	-0.55
8245	LA-LA	8.66	74.89	-0.55
8246	LA-LA	10.29	74.89	-0.55
8247	LA-LA	12.41	74.90	-0.55
8248	LA-LA	14.59	74.90	-0.55
8249	LA-LA	16.73	74.91	-0.55
8250	LA-LA	18.17	74.91	-0.55
8251	LA-LA	19.28	74.92	-0.55
8252	LA-LA	20.84	74.92	-0.55
8253	LA-LA	22.37	74.93	-0.55
8254	LA-LA	23.73	74.94	-0.55
8255	LA-LA	24.85	74.94	-0.55
8256	LA-LA	25.88	74.95	-0.55
8257	LA-LA	26.84	74.96	-0.27
8258	LA-LA	27.64	74.96	-0.27
8259	LA-LA	28.22	74.97	-0.27
8260	LA-LA	28.99	74.98	-0.27
8261	LA-LA	30.04	74.99	-0.27
8262	LA-LA	31.40	75.00	-0.27
8263	LA-LA	32.83	75.01	-0.27
8264	LA-LA	33.95	75.02	-0.27
8265	LA-LA	34.53	75.02	-0.27
8266	LA-LA	34.77	75.03	-0.27
8267	LA-LA	34.97	75.04	-0.27
8268	LA-LA	35.08	75.05	-0.22

Page 108 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
----------	-------	-------------	---------------	-----------

Page 109 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
8425	LA-LA	28.15	76.00	0.39
8426	LA-LA	29.84	76.01	0.39
8427	LA-LA	31.30	76.02	0.39
8428	LA-LA	32.69	76.02	0.39
8429	LA-LA	33.07	76.03	0.39
8430	LA-LA	32.45	76.04	0.39
8431	LA-LA	32.74	76.05	0.61
8432	LA-LA	33.01	76.06	0.61
8433	LA-LA	32.20	76.07	0.61
8434	LA-LA	31.43	76.08	0.61
8435	LA-LA	30.67	76.09	0.61
8436	LA-LA	29.20	76.09	0.61
8437	LA-LA	26.20	76.10	0.61
8438	LA-LA	22.37	76.11	0.61
8439	LA-LA	18.40	76.11	0.61
8440	LA-LA	13.99	76.12	0.61
8441	LA-LA	9.00	76.12	0.61
8442	LA-LA	4.23	76.12	0.61
8443	LA-LA	0.92	76.12	0.61
8444	LA-LA	0.00	76.12	0.61
8445	LA-LA	0.00	76.12	0.61
8446	LA-LA	0.00	76.12	0.61
8447	LA-LA	0.00	76.12	0.61
8448	LA-LA	2.75	76.12	0.61
8449	LA-LA	7.02	76.12	0.61
8450	LA-LA	10.49	76.13	0.61
8451	LA-LA	13.17	76.13	0.61
8452	LA-LA	15.63	76.13	0.61
8453	LA-LA	17.73	76.14	0.61
8454	LA-LA	20.24	76.14	0.61
8455	LA-LA	22.67	76.15	0.14
8456	LA-LA	23.17	76.16	0.14
8457	LA-LA	21.21	76.16	0.14
8458	LA-LA	17.74	76.17	0.14
8459	LA-LA	15.17	76.17	0.14
8460	LA-LA	15.77	76.18	0.14
8461	LA-LA	18.51	76.18	0.14
8462	LA-LA	21.71	76.19	0.14
8463	LA-LA	23.58	76.19	0.14
8464	LA-LA	20.15	76.20	0.14
8465	LA-LA	18.12	76.20	0.14
8466	LA-LA	18.67	76.21	0.14
8467	LA-LA	21.21	76.22	0.14
8468	LA-LA	24.06	76.22	0.14
8469	LA-LA	26.90	76.23	0.14
8470	LA-LA	29.44	76.24	0.14
8471	LA-LA	31.16	76.25	0.14
8472	LA-LA	33.14	76.26	0.28
8473	LA-LA	34.65	76.26	0.28
8474	LA-LA	34.69	76.27	0.28
8475	LA-LA	33.91	76.28	0.28
8476	LA-LA	33.00	76.29	0.28
8477	LA-LA	32.26	76.30	0.28
8478	LA-LA	31.47	76.31	0.28
8479	LA-LA	30.14	76.32	0.28
8480	LA-LA	28.08	76.33	0.28
8481	LA-LA	25.82	76.33	0.28
8482	LA-LA	22.95	76.34	0.28
8483	LA-LA	19.46	76.35	0.28
8484	LA-LA	15.72	76.35	0.28
8485	LA-LA	12.08	76.35	0.30
8486	LA-LA	8.75	76.36	0.30
8487	LA-LA	6.05	76.36	0.30
8488	LA-LA	5.65	76.36	0.30
8489	LA-LA	5.13	76.36	0.30
8490	LA-LA	4.06	76.36	0.30
8491	LA-LA	2.54	76.36	0.30
8492	LA-LA	0.76	76.36	0.30
8493	LA-LA	0.00	76.36	0.30
8494	LA-LA	0.00	76.36	0.30
8495	LA-LA	0.00	76.36	0.30
8496	LA-LA	0.00	76.36	0.30
8497	LA-LA	0.00	76.36	0.30
8498	LA-LA	0.00	76.36	0.30
8499	LA-LA	0.00	76.36	0.30
8500	LA-LA	0.00	76.36	0.30
8501	LA-LA	0.00	76.36	0.30
8502	LA-LA	0.00	76.36	0.30

Page 111 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
8581	LA-LA	2.36	76.66	0.63
8582	LA-LA	0.18	76.66	0.63
8583	LA-LA	0.00	76.66	0.63
8584	LA-LA	0.00	76.66	0.63
8585	LA-LA	0.00	76.66	0.63
8586	LA-LA	0.00	76.66	0.63
8587	LA-LA	0.00	76.66	0.63
8588	LA-LA	0.00	76.66	0.63
8589	LA-LA	0.00	76.66	0.63
8590	LA-LA	0.00	76.66	0.63
8591	LA-LA	0.00	76.66	0.63
8592	LA-LA	0.00	76.66	0.63
8593	LA-LA	0.00	76.66	0.63
8594	LA-LA	0.00	76.66	0.63
8595	LA-LA	0.00	76.66	0.63
8596	LA-LA	0.00	76.66	0.63
8597	LA-LA	0.00	76.66	0.63
8598	LA-LA	0.00	76.66	0.63
8599	LA-LA	0.00	76.66	0.63
8600	LA-LA	0.00	76.66	0.63
8601	LA-LA	0.00	76.66	0.63
8602	LA-LA	0.00	76.66	0.63
8603	LA-LA	0.00	76.66	0.63
8604	LA-LA	0.00	76.66	0.63
8605	LA-LA	0.00	76.66	0.63
8606	LA-LA	0.00	76.66	0.63
8607	LA-LA	0.00	76.66	0.63
8608	LA-LA	0.00	76.66	0.63
8609	LA-LA	0.00	76.66	0.63
8610	LA-LA	0.00	76.66	0.63
8611	LA-LA	0.00	76.66	0.63
8612	LA-LA	0.00	76.66	0.63
8613	LA-LA	0.00	76.66	0.63
8614	LA-LA	0.00	76.66	0.63
8615	LA-LA	0.00	76.66	0.63
8616	LA-LA	0.00	76.66	0.63
8617	LA-LA	0.00	76.66	0.63
8618	LA-LA	0.79	76.66	0.63
8619	LA-LA	5.69	76.66	0.63
8620	LA-LA	10.60	76.66	0.63
8621	LA-LA	13.67	76.67	0.63
8622	LA-LA	14.54	76.67	0.63
8623	LA-LA	14.29	76.67	0.63
8624	LA-LA	15.03	76.68	0.63
8625	LA-LA	16.09	76.68	0.63
8626	LA-LA	18.20	76.69	0.63
8627	LA-LA	20.94	76.69	0.63
8628	LA-LA	23.67	76.70	0.63
8629	LA-LA	25.73	76.71	0.63
8630	LA-LA	27.80	76.71	0.63
8631	LA-LA	28.75	76.72	0.63
8632	LA-LA	28.50	76.73	0.63
8633	LA-LA	27.77	76.74	0.63
8634	LA-LA	26.98	76.74	0.63
8635	LA-LA	26.13	76.75	0.24
8636	LA-LA	24.61	76.76	0.24
8637	LA-LA	22.23	76.76	0.24
8638	LA-LA	19.12	76.77	0.24
8639	LA-LA	15.93	76.77	0.24
8640	LA-LA	12.88	76.78	0.24
8641	LA-LA	10.01	76.78	0.24
8642	LA-LA	6.88	76.78	0.24
8643	LA-LA	4.44	76.78	0.24
8644	LA-LA	2.72	76.78	0.24
8645	LA-LA	0.79	76.78	0.24
8646	LA-LA	0.00	76.78	0.24
8647	LA-LA	0.00	76.78	0.24
8648	LA-LA	0.00	76.78	0.24
8649	LA-LA	0.00	76.78	0.24
8650	LA-LA	0.00	76.78	0.24
8651	LA-LA	0.00	76.78	0.24
8652	LA-LA	0.00	76.78	0.24
8653	LA-LA	0.00	76.78	0.24
8654	LA-LA	0.00	76.78	0.24
8655	LA-LA	0.00	76.78	0.24
8656	LA-LA	0.00	76.78	0.24
8657	LA-LA	0.00	76.78	0.24
8658	LA-LA	0.00	76.78	0.24

Page 110 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
8503	LA-LA	0.00	76.36	0.30
8504	LA-LA	0.00	76.36	0.30
8505	LA-LA	0.00	76.36	0.30
8506	LA-LA	0.00	76.36	0.30
8507	LA-LA	0.00	76.36	0.30
8508	LA-LA	0.00	76.36	0.30
8509	LA-LA	0.00	76.36	0.30
8510	LA-LA	0.00	76.36	0.30
8511	LA-LA	0.00	76.36	0.30
8512	LA-LA	0.00	76.36	0.30
8513	LA-LA	0.00	76.36	0.30
8514	LA-LA	0.00	76.36	0.30
8515	LA-LA	0.00	76.36	0.30
8516	LA-LA	0.00	76.36	0.30
8517	LA-LA	0.00	76.36	0.30
8518	LA-LA	0.00	76.36	0.30
8519	LA-LA	0.00	76.36	0.30
8520	LA-LA	0.00	76.36	0.30
8521	LA-LA	0.00	76.36	0.30
8522	LA-LA	0.00	76.36	0.30
8523	LA-LA	0.00	76.36	0.30
8524	LA-LA	0.00	76.36	0.30
8525	LA-LA	0.00	76.36	0.30
8526	LA-LA	0.00	76.36	0.30
8527	LA-LA	0.00	76.36	0.30
8528	LA-LA	0.00	76.36	0.30
8529	LA-LA	0.00	76.36	0.30
8530	LA-LA	0.00	76.36	0.30
8531	LA-LA	0.00	76.36	0.30
8532	LA-LA	0.00	76.36	0.30
8533	LA-LA	0.00	76.36	0.30
8534	LA-LA	0.16	76.36	0.30
8535	LA-LA	3.49	76.36	0.30
8536	LA-LA	8.75	76.37	0.30
8537	LA-LA	12.46	76.37	0.30
8538	LA-LA	14.24	76.37	0.30
8539	LA-LA	15.61	76.38	0.30
8540	LA-LA	15.93	76.38	0.30
8541	LA-LA	17.08	76.39	0.30
8542	LA-LA	19.19	76.39	0.30
8543	LA-LA	19.80	76.40	0.30
8544	LA-LA	19.71	76.40	0.30
8545	LA-LA	20.12	76.41	0.30
8546	LA-LA	19.89	76.41	0.30
8547	LA-LA	20.83	76.42	0.30
8548	LA-LA	21.72	76.42	0.30
8549	LA-LA	22.27	76.43	0.30
8550	LA-LA	22.12	76.44	0.30
8551	LA-LA	23.54	76.44	0.30
8552	LA-LA	24.61	76.45	0.50
8553	LA-LA	25.94	76.46	0.50
8554	LA-LA	27.08	76.46	0.50
8555	LA-LA	28.21	76.47	0.50
8556	LA-LA	29.49	76.48	0.50
8557	LA-LA	30.50	76.49	0.50
8558	LA-LA	31.25	76.50	0.50
8559	LA-LA	31.72	76.51	0.50
8560	LA-LA	31.09	76.51	0.50
8561	LA-LA	31.45	76.52	0.50
8562	LA-LA	32.79	76.53	0.50
8563	LA-LA	34.01	76.54	0.50
8564	LA-LA	34.73	76.55	0.54
8565	LA-LA	34.12	76.56	0.54
8566	LA-LA	33.21	76.57	0.54
8567	LA-LA	31.94	76.58	0.54
8568	LA-LA	29.77	76.59	0.54
8569	LA-LA	27.54	76.59	0.54
8570	LA-LA	26.47	76.60	0.54
8571	LA-LA	26.77	76.61	0.54
8572	LA-LA	27.68	76.62	0.54
8573	LA-LA	27.75	76.62	0.54
8574	LA-LA	26.60	76.63	0.54
8575	LA-LA	23.77	76.64	0.54
8576	LA-LA	20.37	76.64	0.54
8577	LA-LA	16.68	76.65	0.54
8578	LA-LA	12.99	76.65	0.63
8579	LA-LA	9.19	76.65	0.63
8580	LA-LA	5.30	76.66	0.63

Page 112 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
8659	LA-LA	0.00	76.78	0.24
8660	LA-LA	0.00	76.78	0.24
8661	LA-LA	0.2	76.78	0.24
8662	LA-LA	4.17	76.79	0.24
8663	LA-LA	9.33	76.79	0.24
8664	LA-LA	13.55	76.79	0.24
8665	LA-LA	16.69	76.80	0.24
8666	LA-LA	19.53	76.80	0.24
8667	LA-LA	22.08	76.81	0.24
8668	LA-LA	23.94	76.81	0.24
8669	LA-LA	24.15	76.82	0.24
8670	LA-LA	22.76	76.83	0.24
8671	LA-LA	20.35	76.83	0.24
8672	LA-LA	17.48	76.84	0.24
8673	LA-LA	14.29	76.84	0.24
8674	LA-LA	12.41	76.85	0.24
8675	LA-LA	12.27	76.85	0.21
8676	LA-LA	13.22	76.85	0.21
8677	LA-LA	14.01	76.86	0.21
8678	LA-LA	14.59	76.86	0.21
8679	LA-LA	15.18	76.86	0.21
8680	LA-LA	15.72	76.87	0.21
8681	LA-LA	15.48	76.87	0.21
8682	LA-LA	16.22	76.88	0.21
8683	LA-LA	17.29	76.88	0.21
8684	LA-LA	18.41	76.89	0.21
8685	LA-LA	18.51	76.89	0.21
8686	LA-LA	17.64	76.90	0.21
8687	LA-LA	15.60	76.90	0.21
8688	LA-LA	13.03	76.90	0.21
8689	LA-LA	10.49	76.91	0.21
8690	LA-LA	7.06	76.91	0.21
8691	LA-LA	4.61	76.91	0.21
8692	LA-LA	5.26	76.91	0.21
8693	LA-LA	6.55	76.91	0.21
8694	LA-LA	7.97	76.92	0.21
8695	LA-LA	9.09	76.92	0.21
8696	LA-LA	8.63	76.92	0.21
8697	LA-LA	6.54	76.92	0.21
8698	LA-LA	4.00	76.92	0.21
8699	LA-LA	1.31	76.92	0.21
8700	Idaho-EZ	0.00	76.92	0.21
8701	Idaho-EZ	0.00	76.92	0.21
8702	Idaho-EZ	0.00	76.92	0.21
8703	Idaho-EZ	0.00	76.92	0.21
8704	Idaho-EZ	0.00	76.92	0.21
8705	Idaho-EZ	0.00	76.92	0.21
8706	Idaho-EZ	0.00	76.92	0.21
8707	Idaho-EZ	0.00	76.92	0.21
8708	Idaho-EZ	0.00	76.92	0.21
8709	Idaho-EZ	0.00	76.92	0.21
8710	Idaho-EZ	0.00	76.92	0.21
8711	Idaho-EZ	0.00	76.92	0.21
8712	Idaho-EZ	0.00	76.92	0.21
8713	Idaho-EZ	0.00	76.92	0.21
8714	Idaho-EZ	0.00	76.92	0.21
8715	Idaho-EZ	0.00	76.92	0.21
8716	Idaho-EZ	0.00	76.92	0.21
8717	Idaho-EZ	0.00	76.92	0.21
8718	Idaho-EZ	0.00	76.92	0.21
8719	Idaho-EZ	0.00	76.92	0.21
8720	Idaho-EZ	0.00	76.92	0.21
8721	Idaho-EZ	0.00	76.92	0.21
8722	Idaho-EZ	0.00	76.92	0.21
8723	Idaho-EZ	0.00	76.92	0.21
8724	Idaho-EZ	0.00	76.92	0.21
8725	Idaho-EZ	0.00	76.92	0.21
8726	Idaho-EZ	0.00	76.92	0.21
8727	Idaho-EZ	0.00	76.92	0.21
8728	Idaho-EZ	0.00	76.92	0.21
8729	Idaho-EZ	0.00	76.92	0.21
8730	Idaho-EZ	0.00	76.92	0.21
8731	Idaho-EZ	0.00	76.92	0.21
8732	Idaho-EZ	0.00	76.92	0.21
8733	Idaho-EZ	0.00	76.92	0.21
8734	Idaho-EZ	0.00	76.92	0.21
8735	Idaho-EZ	0.00	76.92	0.21

time (s)	route	speed (mph)	distance (mi)	grade (%)
8815	idrive-A-02	0.00	76.92	0.21
8816	idrive-A-02	0.00	76.92	0.21
8817	idrive-A-02	0.00	76.92	0.21
8818	idrive-A-02	0.00	76.92	0.21
8819	idrive-A-02	0.00	76.92	0.21
8820	idrive-A-02	0.00	76.92	0.21
8821	idrive-A-02	0.00	76.92	0.21
8822	idrive-A-02	0.00	76.92	0.21
8823	idrive-A-02	0.00	76.92	0.21
8824	idrive-A-02	0.00	76.92	0.21
8825	idrive-A-02	0.00	76.92	0.21
8826	idrive-A-02	0.00	76.92	0.21
8827	idrive-A-02	0.00	76.92	0.21
8828	idrive-A-02	0.00	76.92	0.21
8829	idrive-A-02	0.00	76.92	0.21
8830	idrive-A-02	0.00	76.92	0.21
8831	idrive-A-02	0.00	76.92	0.21
8832	idrive-A-02	0.00	76.92	0.21
8833	idrive-A-02	0.00	76.92	0.21
8834	idrive-A-02	0.00	76.92	0.21
8835	idrive-A-02	0.00	76.92	0.21
8836	idrive-A-02	0.00	76.92	0.21
8837	idrive-A-02	0.00	76.92	0.21
8838	idrive-A-02	0.00	76.92	0.21
8839	idrive-A-02	0.00	76.92	0.21
8840	idrive-A-02	0.00	76.92	0.21
8841	idrive-A-02	0.00	76.92	0.21
8842	idrive-A-02	0.00	76.92	0.21
8843	idrive-A-02	0.00	76.92	0.21
8844	idrive-A-02	0.00	76.92	0.21
8845	idrive-A-02	0.00	76.92	0.21
8846	idrive-A-02	0.00	76.92	0.21
8847	idrive-A-02	0.00	76.92	0.21
8848	idrive-A-02	0.00	76.92	0.21
8849	idrive-A-02	0.00	76.92	0.21
8850	idrive-A-02	0.00	76.92	0.21
8851	idrive-A-02	0.00	76.92	0.21
8852	idrive-A-02	0.00	76.92	0.21
8853	idrive-A-02	0.00	76.92	0.21
8854	idrive-A-02	0.00	76.92	0.21
8855	idrive-A-02	0.00	76.92	0.21
8856	idrive-A-02	0.00	76.92	0.21
8857	idrive-A-02	0.00	76.92	0.21
8858	idrive-A-02	0.00	76.92	0.21
8859	idrive-A-02	0.00	76.92	0.21
8860	idrive-A-02	0.00	76.92	0.21
8861	idrive-A-02	0.00	76.92	0.21
8862	idrive-A-02	0.00	76.92	0.21
8863	idrive-A-02	0.00	76.92	0.21
8864	idrive-A-02	0.00	76.92	0.21
8865	idrive-A-02	0.00	76.92	0.21
8866	idrive-A-02	0.00	76.92	0.21
8867	idrive-A-02	0.00	76.92	0.21
8868	idrive-A-02	0.00	76.92	0.21
8869	idrive-A-02	0.00	76.92	0.21
8870	idrive-A-02	0.00	76.92	0.21
8871	idrive-A-02	0.00	76.92	0.21
8872	idrive-A-02	0.00	76.92	0.21
8873	idrive-A-02	0.00	76.92	0.21
8874	idrive-A-02	0.00	76.92	0.21
8875	idrive-A-02	0.00	76.92	0.21
8876	idrive-A-02	0.00	76.92	0.21
8877	idrive-A-02	0.00	76.92	0.21
8878	idrive-A-02	0.00	76.92	0.21
8879	idrive-A-02	0.00	76.92	0.21
8880	idrive-A-02	0.00	76.92	0.21
8881	idrive-A-02	0.00	76.92	0.21
8882	idrive-A-02	0.00	76.92	0.21
8883	idrive-A-02	0.00	76.92	0.21
8884	idrive-A-02	0.00	76.92	0.21
8885	idrive-A-02	0.00	76.92	0.21
8886	idrive-A-02	0.00	76.92	0.21
8887	idrive-A-02	0.00	76.92	0.21
8888	idrive-A-02	0.00	76.92	0.21
8889	idrive-A-02	0.00	76.92	0.21
8890	idrive-A-02	0.00	76.92	0.21
8891	idrive-A-02	0.00	76.92	0.21
8892	idrive-A-02	0.00	76.92	0.21

Page 116 of 27

time (s)	route	speed (mph)	distance (mi)	grade (%)
8971	LA-Upland	0.00	77.14	-0.16
8972	LA-Upland	0.00	77.14	-0.16
8973	LA-Upland	0.00	77.14	-0.16
8974	LA-Upland	0.00	77.14	-0.16
8975	LA-Upland	0.00	77.14	-0.16
8976	LA-Upland	0.00	77.14	-0.16
8977	LA-Upland	0.00	77.14	-0.16
8978	LA-Upland	0.00	77.14	-0.16
8979	LA-Upland	0.00	77.14	-0.16
8980	LA-Upland	0.00	77.14	-0.16
8981	LA-Upland	0.00	77.14	-0.16
8982	LA-Upland	0.00	77.14	-0.16
8983	LA-Upland	0.00	77.14	-0.16
8984	LA-Upland	0.00	77.14	-0.16
8985	LA-Upland	0.00	77.14	-0.16
8986	LA-Upland	0.00	77.14	-0.16
8987	LA-Upland	0.00	77.14	-0.16
8988	LA-Upland	0.00	77.14	-0.16
8989	LA-Upland	0.00	77.14	-0.16
8990	LA-Upland	0.00	77.14	-0.16
8991	LA-Upland	0.00	77.14	-0.16
8992	LA-Upland	0.00	77.14	-0.16
8993	LA-Upland	0.00	77.14	-0.16
8994	LA-Upland	0.00	77.14	-0.16
8995	LA-Upland	0.00	77.14	-0.16
8996	LA-Upland	0.00	77.14	-0.16
8997	LA-Upland	0.00	77.14	-0.16
8998	LA-Upland	0.00	77.14	-0.16
8999	LA-Upland	0.00	77.14	-0.16
9000	LA-Upland	0.00	77.14	-0.16
9001	LA-Upland	0.00	77.14	-0.16
9002	LA-Upland	0.00	77.14	-0.16
9003	LA-Upland	0.00	77.14	-0.16
9004	LA-Upland	0.00	77.14	-0.16
9005	LA-Upland	0.00	77.14	-0.16
9006	LA-Upland	0.00	77.14	-0.16
9007	LA-Upland	0.00	77.14	-0.16
9008	LA-Upland	0.00	77.14	-0.16
9009	LA-Upland	0.00	77.14	-0.16
9010	LA-Upland	0.00	77.14	-0.16
9011	LA-Upland	0.00	77.14	-0.16
9012	LA-Upland	0.00	77.14	-0.16
9013	LA-Upland	0.00	77.14	-0.16
9014	LA-Upland	0.00	77.14	-0.16
9015	LA-Upland	0.00	77.14	-0.16
9016	LA-Upland	0.00	77.14	-0.16
9017	LA-Upland	0.00	77.14	-0.16
9018	LA-Upland	0.00	77.14	-0.16
9019	LA-Upland	0.00	77.14	-0.16
9020	LA-Upland	0.00	77.14	-0.16
9021	LA-Upland	2.02	77.14	-0.16
9022	LA-Upland	7.11	77.14	-0.16
9023	LA-Upland	11.85	77.15	-0.16
9024	LA-Upland	16.02	77.15	-0.16
9025	LA-Upland	19.44	77.16	-0.24
9026	LA-Upland	22.64	77.16	-0.24
9027	LA-Upland	25.61	77.17	-0.24
9028	LA-Upland	28.05	77.18	-0.24
9029	LA-Upland	30.65	77.18	-0.24
9030	LA-Upland	33.11	77.19	-0.24
9031	LA-Upland	35.11	77.20	-0.24
9032	LA-Upland	38.02	77.21	-0.24
9033	LA-Upland	38.85	77.22	-0.24
9034	LA-Upland	39.15	77.23	-0.24
9035	LA-Upland	39.87	77.25	-0.24
9036	LA-Upland	40.45	77.26	-0.39
9037	LA-Upland	41.01	77.27	-0.39
9038	LA-Upland	41.00	77.28	-0.39
9039	LA-Upland	41.41	77.29	-0.39
9040	LA-Upland	40.60	77.30	-0.58
9041	LA-Upland	40.95	77.31	-0.58
9042	LA-Upland	40.61	77.32	-0.39
9043	LA-Upland	40.91	77.34	-0.39
9044	LA-Upland	41.63	77.35	-0.39
9045	LA-Upland	41.99	77.36	-0.58
9046	LA-Upland	41.76	77.37	-0.58
9047	LA-Upland	40.35	77.38	-0.58
9048	LA-Upland	40.57	77.39	-0.58

Page 117 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
9049	LA-Upland	40.74	77.40	-0.58
9050	LA-Upland	40.81	77.41	-0.58
9051	LA-Upland	40.74	77.43	-0.58
9052	LA-Upland	39.98	77.44	-0.58
9053	LA-Upland	37.70	77.45	-0.58
9054	LA-Upland	35.42	77.46	-0.51
9055	LA-Upland	32.98	77.47	-0.51
9056	LA-Upland	30.39	77.47	-0.51
9057	LA-Upland	28.44	77.48	-0.51
9058	LA-Upland	27.84	77.49	-0.51
9059	LA-Upland	27.92	77.50	-0.51
9060	LA-Upland	28.92	77.51	-0.51
9061	LA-Upland	30.46	77.51	-0.51
9062	LA-Upland	32.37	77.52	-0.51
9063	LA-Upland	34.14	77.53	-0.51
9064	LA-Upland	35.35	77.54	-0.51
9065	LA-Upland	35.91	77.55	-0.48
9066	LA-Upland	36.28	77.56	-0.48
9067	LA-Upland	35.67	77.57	-0.48
9068	LA-Upland	35.82	77.58	-0.48
9069	LA-Upland	36.25	77.59	-0.48
9070	LA-Upland	36.47	77.60	-0.48
9071	LA-Upland	35.97	77.61	-0.48
9072	LA-Upland	36.06	77.62	-0.48
9073	LA-Upland	36.50	77.63	-0.48
9074	LA-Upland	36.83	77.64	-0.48
9075	LA-Upland	36.90	77.65	-0.23
9076	LA-Upland	36.12	77.66	-0.23
9077	LA-Upland	36.34	77.67	-0.23
9078	LA-Upland	36.51	77.68	-0.23
9079	LA-Upland	37.01	77.69	-0.23
9080	LA-Upland	37.67	77.70	-0.23
9081	LA-Upland	38.58	77.71	-0.23
9082	LA-Upland	39.44	77.72	-0.23
9083	LA-Upland	40.00	77.73	-0.23
9084	LA-Upland	40.29	77.75	-0.23
9085	LA-Upland	39.93	77.76	-0.16
9086	LA-Upland	39.68	77.77	-0.16
9087	LA-Upland	39.58	77.78	-0.16
9088	LA-Upland	38.72	77.79	-0.16
9089	LA-Upland	36.56	77.80	-0.16
9090	LA-Upland	33.75	77.81	-0.16
9091	LA-Upland	31.30	77.82	-0.16
9092	LA-Upland	29.11	77.82	-0.16
9093	LA-Upland	26.93	77.83	-0.16
9094	LA-Upland	24.78	77.84	-0.16
9095	LA-Upland	22.51	77.85	-0.16
9096	LA-Upland	20.10	77.85	-0.19
9097	LA-Upland	18.62	77.86	-0.19
9098	LA-Upland	18.63	77.86	-0.19
9099	LA-Upland	17.96	77.87	-0.19
9100	LA-Upland	16.64	77.87	-0.19
9101	LA-Upland	16.07	77.87	-0.19
9102	LA-Upland	16.06	77.88	-0.19
9103	LA-Upland	17.07	77.88	-0.19
9104	LA-Upland	17.95	77.89	-0.19
9105	LA-Upland	19.44	77.89	-0.19
9106	LA-Upland	21.14	77.90	-0.19
9107	LA-Upland	23.60	77.91	-0.19
9108	LA-Upland	25.70	77.91	-0.19
9109	LA-Upland	27.81	77.92	-0.19
9110	LA-Upland	29.84	77.93	-0.19
9111	LA-Upland	31.54	77.94	-0.19
9112	LA-Upland	33.29	77.95	-0.19
9113	LA-Upland	34.97	77.96	-0.50
9114	LA-Upland	36.27	77.97	-0.50
9115	LA-Upland	35.84	77.98	-0.50
9116	LA-Upland	36.01	77.99	-0.50
9117	LA-Upland	35.97	78.00	-0.50
9118	LA-Upland	35.48	78.01	-0.50
9119	LA-Upland	35.53	78.02	-0.50
9120	LA-Upland	36.17	78.03	-0.50
9121	LA-Upland	36.90	78.04	-0.50
9122	LA-Upland	37.74	78.05	-0.50
9123	LA-Upland	38.27	78.06	-0.49
9124	LA-Upland	38.71	78.07	-0.49
9125	LA-Upland	38.32	78.08	-0.49
9126	LA-Upland	37.83	78.09	-0.49

Page 119 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
9205	LA-Upland	42.17	78.77	-0.52
9206	LA-Upland	40.78	78.78	-0.52
9207	LA-Upland	38.37	78.79	-0.52
9208	LA-Upland	35.29	78.80	-0.52
9209	LA-Upland	31.89	78.81	-0.52
9210	LA-Upland	28.66	78.82	-0.52
9211	LA-Upland	25.47	78.83	-0.52
9212	LA-Upland	22.30	78.83	-0.52
9213	LA-Upland	18.94	78.84	-0.52
9214	LA-Upland	15.18	78.84	-0.52
9215	LA-Upland	11.35	78.85	-0.52
9216	LA-Upland	7.46	78.85	-0.52
9217	LA-Upland	3.68	78.85	-0.52
9218	LA-Upland	0.89	78.85	-0.52
9219	LA-Upland	0.00	78.85	-0.52
9220	LA-Upland	0.00	78.85	-0.52
9221	LA-Upland	0.00	78.85	-0.52
9222	LA-Upland	0.00	78.85	-0.52
9223	LA-Upland	0.00	78.85	-0.52
9224	LA-Upland	0.00	78.85	-0.52
9225	LA-Upland	0.00	78.85	-0.52
9226	LA-Upland	0.00	78.85	-0.52
9227	LA-Upland	0.00	78.85	-0.52
9228	LA-Upland	0.00	78.85	-0.52
9229	LA-Upland	0.00	78.85	-0.52
9230	LA-Upland	0.00	78.85	-0.52
9231	LA-Upland	0.00	78.85	-0.52
9232	LA-Upland	0.00	78.85	-0.52
9233	LA-Upland	0.00	78.85	-0.52
9234	LA-Upland	0.00	78.85	-0.52
9235	LA-Upland	0.00	78.85	-0.52
9236	LA-Upland	0.00	78.85	-0.52
9237	LA-Upland	0.00	78.85	-0.52
9238	LA-Upland	0.00	78.85	-0.52
9239	LA-Upland	0.00	78.85	-0.52
9240	LA-Upland	0.00	78.85	-0.52
9241	LA-Upland	0.00	78.85	-0.52
9242	LA-Upland	0.00	78.85	-0.52
9243	LA-Upland	0.00	78.85	-0.52
9244	LA-Upland	0.00	78.85	-0.52
9245	LA-Upland	0.00	78.85	-0.52
9246	LA-Upland	0.00	78.85	-0.52
9247	LA-Upland	0.00	78.85	-0.52
9248	LA-Upland	0.00	78.85	-0.52
9249	LA-Upland	2.06	78.85	-0.52
9250	LA-Upland	7.37	78.85	-0.42
9251	LA-Upland	12.75	78.85	-0.42
9252	LA-Upland	16.93	78.86	-0.42
9253	LA-Upland	20.58	78.86	-0.42
9254	LA-Upland	24.50	78.87	-0.42
9255	LA-Upland	27.77	78.88	-0.42
9256	LA-Upland	30.39	78.89	-0.42
9257	LA-Upland	33.13	78.90	-0.42
9258	LA-Upland	35.19	78.91	-0.42
9259	LA-Upland	36.99	78.92	-0.42
9260	LA-Upland	38.49	78.93	-0.42
9261	LA-Upland	39.74	78.94	-0.42
9262	LA-Upland	40.92	78.95	-0.42
9263	LA-Upland	41.70	78.96	-0.45
9264	LA-Upland	41.37	78.97	-0.45
9265	LA-Upland	41.68	78.98	-0.45
9266	LA-Upland	42.06	79.00	-0.45
9267	LA-Upland	42.66	79.01	-0.45
9268	LA-Upland	42.95	79.02	-0.45
9269	LA-Upland	43.27	79.03	-0.45
9270	LA-Upland	43.67	79.04	-0.45
9271	LA-Upland	44.08	79.05	-0.58
9272	LA-Upland	44.27	79.07	-0.58
9273	LA-Upland	44.54	79.08	-0.58
9274	LA-Upland	44.55	79.09	-0.58
9275	LA-Upland	44.30	79.10	-0.58
9276	LA-Upland	43.71	79.12	-0.58
9277	LA-Upland	44.22	79.13	-0.58
9278	LA-Upland	44.82	79.14	-0.58
9279	LA-Upland	45.57	79.15	-0.48
9280	LA-Upland	46.22	79.17	-0.48
9281	LA-Upland	46.93	79.18	-0.48
9282	LA-Upland	46.93	79.19	-0.48

Page 118 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
9127	LA-Upland	38.12	78.10	-0.49
9128	LA-Upland	37.93	78.11	-0.49
9129	LA-Upland	37.08	78.12	-0.49
9130	LA-Upland	37.08	78.13	-0.49
9131	LA-Upland	36.40	78.14	-0.49
9132	LA-Upland	35.58	78.15	-0.49
9133	LA-Upland	34.75	78.16	-0.20
9134	LA-Upland	33.96	78.17	-0.20
9135	LA-Upland	33.55	78.18	-0.20
9136	LA-Upland	33.13	78.19	-0.20
9137	LA-Upland	31.71	78.20	-0.20
9138	LA-Upland	29.68	78.20	-0.20
9139	LA-Upland	27.63	78.21	-0.20
9140	LA-Upland	25.52	78.22	-0.20
9141	LA-Upland	23.57	78.22	-0.20
9142	LA-Upland	21.86	78.23	-0.20
9143	LA-Upland	20.78	78.24	-0.20
9144	LA-Upland	20.81	78.24	-0.20
9145	LA-Upland	21.60	78.25	-0.20
9146	LA-Upland	22.56	78.25	0.10
9147	LA-Upland	23.52	78.26	0.10
9148	LA-Upland	24.63	78.27	0.10
9149	LA-Upland	25.57	78.27	0.10
9150	LA-Upland	26.50	78.28	0.10
9151	LA-Upland	27.35	78.29	0.10
9152	LA-Upland	28.16	78.30	0.10
9153	LA-Upland	28.77	78.31	0.10
9154	LA-Upland	29.30	78.31	0.10
9155	LA-Upland	30.21	78.32	0.10
9156	LA-Upland	31.16	78.33	0.10
9157	LA-Upland	30.12	78.34	0.10
9158	LA-Upland	27.85	78.35	0.10
9159	LA-Upland	24.46	78.35	0.07
9160	LA-Upland	20.55	78.36	0.07
9161	LA-Upland	15.07	78.36	0.07
9162	LA-Upland	9.17	78.37	0.07
9163	LA-Upland	4.82	78.37	0.07
9164	LA-Upland	2.46	78.37	0.07
9165	LA-Upland	4.37	78.37	0.07
9166	LA-Upland	6.59	78.37	0.07
9167	LA-Upland	8.64	78.37	0.07
9168	LA-Upland	11.11	78.38	0.07
9169	LA-Upland	14.33	78.38	0.07
9170	LA-Upland	18.11	78.38	0.07
9171	LA-Upland	21.79	78.39	0.07
9172	LA-Upland	25.12	78.40	0.07
9173	LA-Upland	27.85	78.41	0.07
9174	LA-Upland	30.44	78.41	0.07
9175	LA-Upland	32.97	78.42	0.07
9176	LA-Upland	34.77	78.43	0.07
9177	LA-Upland	36.52	78.44	0.07
9178	LA-Upland	37.83	78.45	0.16
9179	LA-Upland	38.94	78.46	0.16
9180	LA-Upland	40.05	78.47	0.16
9181	LA-Upland	41.00	78.49	0.16
9182	LA-Upland	41.08	78.50	0.16
9183	LA-Upland	40.78	78.51	0.16
9184	LA-Upland	41.62	78.52	0.16
9185	LA-Upland	42.69	78.53	0.16
9186	LA-Upland	43.32	78.54	0.16
9187	LA-Upland	43.91	78.56	-0.59
9188	LA-Upland	44.18	78.57	-0.59
9189	LA-Upland	43.64	78.58	-0.59
9190	LA-Upland	43.56	78.59	-0.59
9191	LA-Upland	44.20	78.60	-0.59
9192	LA-Upland	44.65	78.62	-0.59
9193	LA-Upland	44.14	78.63	-0.59
9194	LA-Upland	44.31	78.64	-0.59
9195	LA-Upland	44.24	78.65	-0.63
9196	LA-Upland	43.73	78.66	-0.63
9197	LA-Upland	43.96	78.68	-0.63
9198	LA-Upland	43.87	78.69	-0.63
9199	LA-Upland	43.33	78.70	-0.63
9200	LA-Upland	43.19	78.71	-0.63
9201	LA-Upland	42.67	78.72	-0.63</

Page 121 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
9361	LA-Upland	24.37	79.61	0.31
9362	LA-Upland	26.74	79.62	0.31
9363	LA-Upland	29.12	79.63	0.31
9364	LA-Upland	21.15	79.64	0.31
9365	LA-Upland	32.66	79.64	0.31
9366	LA-Upland	34.11	79.65	0.22
9367	LA-Upland	35.10	79.66	0.22
9368	LA-Upland	35.92	79.67	0.22
9369	LA-Upland	36.85	79.68	0.22
9370	LA-Upland	37.72	79.69	0.22
9371	LA-Upland	38.14	79.70	0.22
9372	LA-Upland	37.44	79.72	0.22
9373	LA-Upland	37.69	79.73	0.22
9374	LA-Upland	37.58	79.74	0.22
9375	LA-Upland	36.64	79.75	0.22
9376	LA-Upland	35.60	79.76	0.25
9377	LA-Upland	33.53	79.76	0.25
9378	LA-Upland	30.44	79.77	0.25
9379	LA-Upland	27.33	79.78	0.25
9380	LA-Upland	24.60	79.79	0.25
9381	LA-Upland	21.98	79.79	0.25
9382	LA-Upland	19.45	79.80	0.25
9383	LA-Upland	17.30	79.80	0.25
9384	LA-Upland	14.38	79.81	0.25
9385	LA-Upland	11.15	79.81	0.25
9386	LA-Upland	7.03	79.81	0.25
9387	LA-Upland	3.10	79.81	0.25
9388	LA-Upland	0.21	79.81	0.25
9389	LA-Upland	0.00	79.81	0.25
9390	LA-Upland	0.00	79.81	0.25
9391	LA-Upland	0.58	79.81	0.25
9392	LA-Upland	3.96	79.81	0.25
9393	LA-Upland	6.03	79.82	0.25
9394	LA-Upland	9.09	79.82	0.25
9395	LA-Upland	12.29	79.82	0.25
9396	LA-Upland	14.49	79.83	0.25
9397	LA-Upland	14.82	79.83	0.25
9398	LA-Upland	14.23	79.83	0.25
9399	LA-Upland	14.51	79.84	0.25
9400	LA-Upland	14.42	79.84	0.25
9401	LA-Upland	15.14	79.85	0.25
9402	LA-Upland	15.42	79.85	0.38
9403	LA-Upland	16.49	79.86	0.38
9404	LA-Upland	17.89	79.86	0.38
9405	LA-Upland	19.28	79.87	0.38
9406	LA-Upland	20.74	79.87	0.38
9407	LA-Upland	22.35	79.88	0.38
9408	LA-Upland	24.13	79.88	0.38
9409	LA-Upland	23.68	79.89	0.38
9410	LA-Upland	22.38	79.90	0.38
9411	LA-Upland	22.26	79.90	0.38
9412	LA-Upland	24.04	79.91	0.38
9413	LA-Upland	26.70	79.92	0.38
9414	LA-Upland	29.58	79.92	0.38
9415	LA-Upland	22.23	79.93	0.38
9416	LA-Upland	34.27	79.94	0.38
9417	LA-Upland	36.21	79.95	0.93
9418	LA-Upland	37.51	79.96	0.93
9419	LA-Upland	38.34	79.97	0.93
9420	LA-Upland	38.76	79.98	0.93
9421	LA-Upland	39.38	80.00	0.93
9422	LA-Upland	39.62	80.01	0.93
9423	LA-Upland	40.28	80.02	0.93
9424	LA-Upland	40.06	80.03	0.93
9425	LA-Upland	40.22	80.04	0.93
9426	LA-Upland	40.53	80.05	0.74
9427	LA-Upland	39.70	80.06	0.74
9428	LA-Upland	39.63	80.07	0.74
9429	LA-Upland	41.32	80.08	0.74
9430	LA-Upland	41.72	80.10	0.74
9431	LA-Upland	40.77	80.11	0.74
9432	LA-Upland	40.84	80.12	0.74
9433	LA-Upland	41.39	80.13	0.74
9434	LA-Upland	42.02	80.14	0.74
9435	LA-Upland	42.19	80.15	0.62
9436	LA-Upland	41.72	80.16	0.62
9437	LA-Upland	41.07	80.17	0.62
9438	LA-Upland	41.24	80.19	0.62

Page 123 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
9517	LA-Upland	37.79	80.53	2.75
9518	LA-Upland	38.01	80.54	2.75
9519	LA-Upland	39.22	80.55	4.35
9520	LA-Upland	39.58	80.56	4.35
9521	LA-Upland	40.58	80.58	4.35
9522	LA-Upland	41.70	80.59	4.35
9523	LA-Upland	41.27	80.60	4.35
9524	LA-Upland	41.20	80.61	4.35
9525	LA-Upland	41.29	80.62	4.35
9526	LA-Upland	40.85	80.63	4.35
9527	LA-Upland	40.55	80.64	4.35
9528	LA-Upland	39.91	80.65	-0.07
9529	LA-Upland	39.82	80.67	-0.07
9530	LA-Upland	39.22	80.68	-0.07
9531	LA-Upland	38.49	80.69	-0.07
9532	LA-Upland	38.10	80.70	-0.07
9533	LA-Upland	37.61	80.71	-0.07
9534	LA-Upland	37.19	80.72	-0.07
9535	LA-Upland	36.53	80.73	-0.07
9536	LA-Upland	35.61	80.74	-0.07
9537	LA-Upland	33.84	80.75	-0.07
9538	LA-Upland	31.57	80.76	-2.16
9539	LA-Upland	28.75	80.76	-2.16
9540	LA-Upland	25.60	80.77	-2.16
9541	LA-Upland	22.34	80.78	-2.16
9542	LA-Upland	19.02	80.78	-2.16
9543	LA-Upland	15.35	80.79	-2.16
9544	LA-Upland	12.13	80.79	-2.16
9545	LA-Upland	9.71	80.79	-2.16
9546	LA-Upland	7.11	80.79	-2.16
9547	LA-Upland	4.82	80.80	-2.16
9548	LA-Upland	3.20	80.80	-2.16
9549	LA-Upland	1.62	80.80	-2.16
9550	LA-Upland	0.00	80.80	-2.16
9551	LA-Upland	0.00	80.80	-2.16
9552	LA-Upland	0.00	80.80	-2.16
9553	LA-Upland	0.00	80.80	-2.16
9554	LA-Upland	0.00	80.80	-2.16
9555	LA-Upland	0.70	80.80	-2.16
9556	LA-Upland	3.81	80.80	-2.16
9557	LA-Upland	8.07	80.80	-2.16
9558	LA-Upland	11.65	80.80	-2.16
9559	LA-Upland	14.49	80.81	-2.16
9560	LA-Upland	17.55	80.81	-2.16
9561	LA-Upland	20.51	80.82	-2.16
9562	LA-Upland	22.85	80.82	-2.16
9563	LA-Upland	24.40	80.83	-2.16
9564	LA-Upland	24.69	80.84	-2.16
9565	LA-Upland	25.52	80.84	-2.16
9566	LA-Upland	26.88	80.85	1.64
9567	LA-Upland	28.56	80.86	1.64
9568	LA-Upland	29.78	80.87	1.64
9569	LA-Upland	30.90	80.88	1.64
9570	LA-Upland	32.07	80.89	1.64
9571	LA-Upland	33.08	80.89	1.64
9572	LA-Upland	33.12	80.90	1.64
9573	LA-Upland	32.81	80.91	1.64
9574	LA-Upland	32.19	80.92	1.64
9575	LA-Upland	31.55	80.93	1.64
9576	LA-Upland	30.55	80.94	1.64
9577	LA-Upland	29.31	80.95	1.64
9578	LA-Upland	27.91	80.95	-0.36
9579	LA-Upland	27.16	80.96	-0.36
9580	LA-Upland	26.47	80.97	-0.36
9581	LA-Upland	25.52	80.98	-0.36
9582	LA-Upland	23.40	80.98	-0.36
9583	LA-Upland	20.70	80.99	-0.36
9584	LA-Upland	18.81	80.99	-0.36
9585	LA-Upland	14.80	81.00	-0.36
9586	LA-Upland	10.51	81.00	-0.36
9587	LA-Upland	5.77	81.00	-0.36
9588	LA-Upland	2.28	81.00	-0.36
9589	LA-Upland	0.00	81.00	-0.36
9590	LA-Upland	0.00	81.00	-0.36
9591	LA-Upland	0.00	81.00	-0.36
9592	LA-Upland	0.00	81.00	-0.36
9593	LA-Upland	0.00	81.00	-0.36
9594	LA-Upland	0.00	81.00	-0.36

Page 122 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
9439	LA-Upland	40.39	80.20	0.62
9440	LA-Upland	40.09	80.21	0.62
9441	LA-Upland	39.33	80.22	0.62
9442	LA-Upland	39.19	80.23	0.62
9443	LA-Upland	38.26	80.24	0.62
9444	LA-Upland	37.42	80.25	0.98
9445	LA-Upland	36.25	80.26	0.98
9446	LA-Upland	34.24	80.27	0.98
9447	LA-Upland	31.47	80.28	0.98
9448	LA-Upland	28.48	80.29	0.98
9449	LA-Upland	25.59	80.29	0.98
9450	LA-Upland	22.27	80.30	0.98
9451	LA-Upland	18.96	80.31	0.98
9452	LA-Upland	15.59	80.31	0.98
9453	LA-Upland	13.00	80.31	0.98
9454	LA-Upland	10.69	80.32	0.98
9455	LA-Upland	8.05	80.32	0.98
9456	LA-Upland	5.51	80.32	0.98
9457	LA-Upland	4.10	80.32	0.98
9458	LA-Upland	3.10	80.32	0.98
9459	LA-Upland	2.64	80.32	0.98
9460	LA-Upland	2.51	80.32	0.98
9461	LA-Upland	1.55	80.32	0.98
9462	LA-Upland	0.15	80.32	0.98
9463	LA-Upland	0.00	80.32	0.98
9464	LA-Upland	0.00	80.32	0.98
9465	LA-Upland	0.00	80.32	0.98
9466	LA-Upland	0.00	80.32	0.98
9467	LA-Upland	0.00	80.32	0.98
9468	LA-Upland	0.00	80.32	0.98
9469	LA-Upland	0.00	80.32	0.98
9470	LA-Upland	0.00	80.32	0.98
9471	LA-Upland	0.00	80.32	0.98
9472	LA-Upland	0.00	80.32	0.98
9473	LA-Upland	0.00	80.32	0.98
9474	LA-Upland	0.00	80.32	0.98
9475	LA-Upland	0.00	80.32	0.98
9476	LA-Upland	0.00	80.32	0.98
9477	LA-Upland	0.00	80.32	0.98
9478	LA-Upland	0.00	80.32	0.98
9479	LA-Upland	0.00	80.32	0.98
9480	LA-Upland	0.00	80.32	0.98
9481	LA-Upland	0.00	80.32	0.98
9482	LA-Upland	0.00	80.32	0.98
9483	LA-Upland	0.00	80.32	0.98
9484	LA-Upland	0.00	80.32	0.98
9485	LA-Upland	0.00	80.32	0.98
9486	LA-Upland	0.00	80.32	0.98
9487	LA-Upland	0.53	80.32	0.98
9488	LA-Upland	0.89	80.32	0.98
9489	LA-Upland	0.14	80.32	0.98
9490	LA-Upland	0.46	80.32	0.98
9491	LA-Upland	1.24	80.32	0.98
9492	LA-Upland	4.10	80.33	0.98
9493	LA-Upland	8.89	80.33	0.98
9494	LA-Upland	12.86	80.33	0.98
9495	LA-Upland	15.52	80.34	0.98
9496	LA-Upland	17.79	80.34	0.98
9497	LA-Upland	19.99	80.35	0.98
9498	LA-Upland	22.84	80.35	0.48
9499	LA-Upland	24.62	80.36	0.48
9500	LA-Upland	26.00	80.37	0.48
9501	LA-Upland	27.76	80.37	0.48
9502	LA-Upland	29.19	80.38	0.48
9503	LA-Upland	31.26	80.39	0.48
9504	LA-Upland	33.14	80.40	0.48
9505	LA-Upland	33.50	80.41	0.48
9506	LA-Upland	34.36	80.42	0.48
9507	LA-Upland	35.16	80.43	0.48
9508	LA-Upland	35.93	80.44	0.48
9509	LA-Upland	36.28	80.45	0.48
9510	LA-Upland	37.06	80.46	2.75
9511	LA-Upland	38.02	80.47	2.75
9512	LA-Upland	38.98	80.48	2.75
9513	LA-Upland	39.37	80.49	2.75
9514	LA-Upland	38.53	80.50	2.75
9515	LA-Upland	38.37	80.51	2.75
9516	LA-Upland	38.00	80.52	2.75

Page 125 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
9673	LA-Upland	21.53	81.34	-0.20
9674	LA-Upland	22.93	81.35	-0.17
9675	LA-Upland	24.50	81.36	-0.17
9676	LA-Upland	25.23	81.36	-0.17
9677	LA-Upland	26.43	81.37	-0.17
9678	LA-Upland	28.02	81.38	-0.17
9679	LA-Upland	29.31	81.39	-0.17
9680	LA-Upland	29.59	81.40	-0.17
9681	LA-Upland	29.80	81.40	-0.17
9682	LA-Upland	29.75	81.41	-0.17
9683	LA-Upland	29.67	81.42	-0.17
9684	LA-Upland	29.05	81.43	-0.17
9685	LA-Upland	28.12	81.44	-0.17
9686	LA-Upland	27.66	81.44	-0.17
9687	LA-Upland	27.00	81.45	-0.54
9688	LA-Upland	25.84	81.46	-0.54
9689	LA-Upland	23.94	81.46	-0.54
9690	LA-Upland	21.55	81.47	-0.54
9691	LA-Upland	18.24	81.48	-0.54
9692	LA-Upland	14.53	81.48	-0.54
9693	LA-Upland	11.27	81.48	-0.54
9694	LA-Upland	8.69	81.48	-0.54
9695	LA-Upland	6.87	81.49	-0.54
9696	LA-Upland	5.37	81.49	-0.54
9697	LA-Upland	4.29	81.49	-0.54
9698	LA-Upland	3.35	81.49	-0.54
9699	LA-Upland	2.53	81.49	-0.54
9700	LA-Upland	2.29	81.49	-0.54
9701	LA-Upland	2.52	81.49	-0.54
9702	LA-Upland	4.37	81.49	-0.54
9703	LA-Upland	8.06	81.50	-0.54
9704	LA-Upland	11.76	81.50	-0.54
9705	LA-Upland	15.24	81.50	-0.54
9706	LA-Upland	18.28	81.51	-0.54
9707	LA-Upland	20.69	81.51	-0.54
9708	LA-Upland	21.48	81.52	-0.54
9709	LA-Upland	21.37	81.53	-0.54
9710	LA-Upland	21.17	81.53	-0.54
9711	LA-Upland	21.13	81.54	-0.54
9712	LA-Upland	21.44	81.54	-0.54
9713	LA-Upland	20.92	81.55	-0.54
9714	LA-Upland	20.73	81.55	-2.94
9715	LA-Upland	20.75	81.56	-2.94
9716	LA-Upland	20.57	81.57	-2.94
9717	LA-Upland	21.11	81.57	-2.94
9718	LA-Upland	21.55	81.58	-2.94
9719	LA-Upland	23.03	81.58	-2.94
9720	LA-Upland	24.48	81.59	-2.94
9721	LA-Upland	25.17	81.60	-2.94
9722	LA-Upland	24.63	81.60	-2.94
9723	LA-Upland	22.85	81.61	-2.94
9724	LA-Upland	18.96	81.62	-2.94
9725	LA-Upland	16.96	81.62	-2.94
9726	LA-Upland	16.16	81.63	-2.94
9727	LA-Upland	17.21	81.63	-2.94
9728	LA-Upland	18.90	81.64	-2.94
9729	LA-Upland	20.45	81.64	-2.94
9730	LA-Upland	22.30	81.65	-2.94
9731	LA-Upland	23.97	81.65	-1.46
9732	LA-Upland	25.60	81.66	-1.46
9733	LA-Upland	26.93	81.67	-1.46
9734	LA-Upland	27.36	81.68	-1.46
9735	LA-Upland	26.99	81.68	-1.46
9736	LA-Upland	25.29	81.69	-1.46
9737	LA-Upland	22.61	81.70	-1.46
9738	LA-Upland	18.58	81.70	-1.46
9739	LA-Upland	15.51	81.71	-1.46
9740	LA-Upland	12.91	81.71	-1.46
9741	LA-Upland	11.68	81.71	-1.46
9742	LA-Upland	12.22	81.72	-1.46
9743	LA-Upland	14.38	81.72	-1.46
9744	LA-Upland	17.85	81.72	-1.46
9745	LA-Upland	21.56	81.73	-1.46
9746	LA-Upland	25.00	81.74	-1.46
9747	LA-Upland	27.57	81.74	-1.46
9748	LA-Upland	29.65	81.75	1.53
9749	LA-Upland	31.44	81.76	1.53
9750	LA-Upland	32.76	81.77	1.53

Page 127 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
9829	LA-Upland	24.31	82.29	0.95
9830	LA-Upland	25.44	82.30	0.95
9831	LA-Upland	26.51	82.30	0.95
9832	LA-Upland	26.84	82.31	0.95
9833	LA-Upland	26.24	82.32	0.95
9834	LA-Upland	25.47	82.33	0.95
9835	LA-Upland	24.38	82.33	0.95
9836	LA-Upland	23.26	82.34	0.95
9837	LA-Upland	23.17	82.35	0.95
9838	LA-Upland	24.07	82.35	1.18
9839	LA-Upland	25.55	82.36	1.18
9840	LA-Upland	27.19	82.37	1.18
9841	LA-Upland	28.01	82.37	1.18
9842	LA-Upland	27.64	82.38	1.18
9843	LA-Upland	26.74	82.39	1.18
9844	LA-Upland	25.06	82.40	1.18
9845	LA-Upland	23.11	82.40	1.18
9846	LA-Upland	22.42	82.41	1.18
9847	LA-Upland	22.21	82.41	1.18
9848	LA-Upland	23.39	82.42	1.18
9849	LA-Upland	24.63	82.43	1.18
9850	LA-Upland	25.23	82.43	1.18
9851	LA-Upland	25.06	82.44	1.18
9852	LA-Upland	25.62	82.45	1.18
9853	LA-Upland	26.58	82.46	0.88
9854	LA-Upland	27.10	82.46	0.88
9855	LA-Upland	26.31	82.47	0.88
9856	LA-Upland	25.18	82.48	0.88
9857	LA-Upland	22.79	82.48	0.88
9858	LA-Upland	19.15	82.49	0.88
9859	LA-Upland	15.64	82.49	0.88
9860	LA-Upland	10.50	82.50	0.88
9861	LA-Upland	5.93	82.50	0.88
9862	LA-Upland	3.14	82.50	0.88
9863	LA-Upland	2.20	82.50	0.88
9864	LA-Upland	2.21	82.50	0.88
9865	LA-Upland	3.05	82.50	0.88
9866	LA-Upland	5.02	82.50	0.88
9867	LA-Upland	6.97	82.50	0.88
9868	LA-Upland	6.93	82.51	0.88
9869	LA-Upland	4.82	82.51	0.88
9870	LA-Upland	2.53	82.51	0.88
9871	LA-Upland	0.38	82.51	0.88
9872	LA-Upland	0.00	82.51	0.88
9873	LA-Upland	0.00	82.51	0.88
9874	LA-Upland	0.00	82.51	0.88
9875	LA-Upland	0.00	82.51	0.88
9876	LA-Upland	0.00	82.51	0.88
9877	LA-Upland	0.00	82.51	0.88
9878	LA-Upland	0.00	82.51	0.88
9879	LA-Upland	0.00	82.51	0.88
9880	LA-Upland	0.00	82.51	0.88
9881	LA-Upland	0.00	82.51	0.88
9882	LA-Upland	0.00	82.51	0.88
9883	LA-Upland	0.00	82.51	0.88
9884	LA-Upland	0.00	82.51	0.88
9885	LA-Upland	0.00	82.51	0.88
9886	LA-Upland	0.00	82.51	0.88
9887	LA-Upland	0.00	82.51	0.88
9888	LA-Upland	0.00	82.51	0.88
9889	LA-Upland	0.00	82.51	0.88
9890	LA-Upland	0.00	82.51	0.88
9891	LA-Upland	0.00	82.51	0.88
9892	LA-Upland	0.00	82.51	0.88
9893	LA-Upland	0.00	82.51	0.88
9894	LA-Upland	0.00	82.51	0.88
9895	LA-Upland	0.00	82.51	0.88
9896	LA-Upland	0.00	82.51	0.88
9897	LA-Upland	0.00	82.51	0.88
9898	LA-Upland	0.00	82.51	0.88
9899	LA-Upland	0.00	82.51	0.88
9900	LA-Upland	0.51	82.51	0.88
9901	LA-Upland	5.11	82.51	0.88
9902	LA-Upland	10.48	82.51	0.88
9903	LA-Upland	14.15	82.52	0.88
9904	LA-Upland	17.34	82.52	0.88
9905	LA-Upland	19.97	82.53	0.88
9906	LA-Upland	21.33	82.53	0.88

Page 126 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
9751	LA-Upland	33.71	81.78	1.53
9752	LA-Upland	33.65	81.79	1.53
9753	LA-Upland	34.30	81.80	1.53
9754	LA-Upland	34.15	81.81	1.53
9755	LA-Upland	35.13	81.82	1.53
9756	LA-Upland	35.66	81.83	1.53
9757	LA-Upland	35.83	81.84	1.53
9758	LA-Upland	35.39	81.85	1.53
9759	LA-Upland	35.79	81.86	1.75
9760	LA-Upland	35.86	81.87	1.75
9761	LA-Upland	35.46	81.88	1.75
9762	LA-Upland	34.58	81.89	1.75
9763	LA-Upland	33.19	81.90	1.75
9764	LA-Upland	31.47	81.90	1.75
9765	LA-Upland	29.72	81.91	1.75
9766	LA-Upland	27.98	81.92	1.75
9767	LA-Upland	26.09	81.93	1.75
9768	LA-Upland	23.95	81.93	1.75
9769	LA-Upland	22.18	81.94	1.75
9770	LA-Upland	22.12	81.95	1.75
9771	LA-Upland	23.12	81.95	-0.90
9772	LA-Upland	24.41	81.96	-0.90
9773	LA-Upland	26.05	81.97	-0.90
9774	LA-Upland	27.59	81.97	-0.90
9775	LA-Upland	29.24	81.98	-0.90
9776	LA-Upland	29.10	81.99	-0.90
9777	LA-Upland	28.64	82.00	-0.90
9778	LA-Upland	28.57	82.01	-0.90
9779	LA-Upland	28.64	82.01	-0.90
9780	LA-Upland	28.48	82.02	-0.90
9781	LA-Upland	27.91	82.03	-0.90
9782	LA-Upland	27.61	82.04	-0.90
9783	LA-Upland	28.09	82.04	-0.90
9784	LA-Upland	27.50	82.05	-1.28
9785	LA-Upland	26.68	82.06	-1.28
9786	LA-Upland	26.34	82.07	-1.28
9787	LA-Upland	26.08	82.07	-1.28
9788	LA-Upland	26.02	82.08	-1.28
9789	LA-Upland	26.40	82.09	-1.28
9790	LA-Upland	26.87	82.10	-1.28
9791	LA-Upland	27.16	82.10	-1.28
9792	LA-Upland	27.79	82.11	-1.28
9793	LA-Upland	28.73	82.12	-1.28
9794	LA-Upland	29.43	82.13	-1.28
9795	LA-Upland	29.46	82.13	-1.28
9796	LA-Upland	28.50	82.14	-1.28
9797	LA-Upland	28.03	82.15	-1.28
9798	LA-Upland	27.69	82.16	-0.01
9799	LA-Upland	26.41	82.16	-0.01
9800	LA-Upland	23.65	82.17	-0.01
9801	LA-Upland	20.24	82.18	-0.01
9802	LA-Upland	16.57	82.18	-0.01
9803	LA-Upland	12.89	82.18	-0.01
9804	LA-Upland	9.66	82.19	-0.01
9805	LA-Upland	6.46	82.19	-0.01
9806	LA-Upland	4.48	82.19	-0.01
9807	LA-Upland	2.69	82.19	-0.01
9808	LA-Upland	0.47	82.19	-0.01
9809	LA-Upland	0.00	82.19	-0.01
9810	LA-Upland	0.00	82.19	-0.01
9811	LA-Upland	0.69	82.19	-0.01
9812	LA-Upland	5.13	82.19	-0.01
9813	LA-Upland	9.81	82.20	-0.01
9814	LA-Upland	13.30	82.20	-0.01
9815	LA-Upland	15.60	82.20	-0.01
9816	LA-Upland	17.72	82.21	-0.01
9817	LA-Upland	19.83	82.21	-0.01
9818	LA-Upland	21.39	82.22	-0.01
9819	LA-Upland	22.32	82.23	-0.01
9820	LA-Upland	21.83	82.23	-0.01
9821	LA-Upland	21.29	82.24	-0.01
9822	LA-Upland	21.76	82.24	-0.01
9823	LA-Upland	23.04	82.25	0.95
9824	LA-Upland	24.13	82.26	0.95
9825	LA-Upland	24.62	82.26	0.95
9826	LA-Upland	24.24	82.27	0.95
9827	LA-Upland	23.60	82.28	0.95
9828	LA-Upland	22.34	82.28	0.95

Page 129 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
9985	LA-Upland	0.00	82.69	0.67
9986	LA-Upland	0.00	82.69	0.67
9987	LA-Upland	0.00	82.69	0.67
9988	LA-Upland	0.00	82.69	0.67
9989	LA-Upland	0.00	82.69	0.67
9990	LA-Upland	0.00	82.69	0.67
9991	LA-Upland	0.00	82.69	0.67
9992	LA-Upland	0.00	82.69	0.67
9993	LA-Upland	1.60	82.69	0.67
9994	LA-Upland	6.42	82.69	0.67
9995	LA-Upland	10.77	82.69	0.67
9996	LA-Upland	13.64	82.70	0.67
9997	LA-Upland	15.43	82.70	0.67
9998	LA-Upland	16.15	82.71	0.67
9999	LA-Upland	18.24	82.71	0.67
10000	LA-Upland	19.38	82.72	0.67
10001	LA-Upland	19.83	82.72	0.67
10002	LA-Upland	20.75	82.73	0.67
10003	LA-Upland	22.14	82.73	0.67
10004	LA-Upland	23.44	82.74	0.67
10005	LA-Upland	24.74	82.75	0.67
10006	LA-Upland	26.04	82.75	1.03
10007	LA-Upland	26.81	82.76	1.03
10008	LA-Upland	26.52	82.77	1.03
10009	LA-Upland	25.74	82.78	1.03
10010	LA-Upland	24.98	82.78	1.03
10011	LA-Upland	24.23	82.79	1.03
10012	LA-Upland	23.36	82.80	1.03
10013	LA-Upland	22.03	82.80	1.03
10014	LA-Upland	19.95	82.81	1.03
10015	LA-Upland	17.83	82.81	1.03
10016	LA-Upland	15.92	82.82	1.03
10017	LA-Upland	13.85	82.82	1.03
10018	LA-Upland	11.26	82.82	1.03
10019	LA-Upland	8.41	82.83	1.03
10020	LA-Upland	5.37	82.83	1.03
10021	LA-Upland	3.63	82.83	1.03
10022	LA-Upland	2.28	82.83	1.03
10023	LA-Upland	0.90	82.83	1.03
10024	LA-Upland	0.00	82.83	1.03
10025	LA-Upland	0.00	82.83	1.03
10026	LA-Upland	0.00	82.83	1.03
10027	LA-Upland	0.00	82.83	1.03
10028	LA-Upland	0.00	82.83	1.03
10029	LA-Upland	0.00	82.83	1.03
10030	LA-Upland	0.00	82.83	1.03
10031	LA-Upland	0.00	82.83	1.03
10032	LA-Upland	0.00	82.83	1.03
10033	LA-Upland	0.00	82.83	1.03
10034	LA-Upland	0.00	82.83	1.03
10035	LA-Upland	0.00	82.83	1.03
10036	LA-Upland	0.00	82.83	1.03
10037	LA-Upland	0.00	82.83	1.03
10038	LA-Upland	0.13	82.83	1.03
10039	LA-Upland	1.06	82.83	1.03
10040	LA-Upland	1.18	82.83	1.03
10041	LA-Upland	1.01	82.83	1.03
10042	LA-Upland	0.14	82.83	1.03
10043	LA-Upland	0.00	82.83	1.03
10044	LA-Upland	0.00	82.83	1.03
10045	LA-Upland	0.00	82.83	1.03
10046	LA-Upland	0.00	82.83	1.03
10047	LA-Upland	0.00	82.83	1.03
10048	LA-Upland	0.47	82.83	1.03
10049	LA-Upland	0.29	82.83	1.03
10050	LA-Upland	0.00	82.83	1.03
10051	LA-Upland	0.00	82.83	1.03
10052	LA-Upland	0.00	82.83	1.03
10053	LA-Upland	1.95	82.83	1.03
10054	LA-Upland	5.13	82.83	1.03
10055	LA-Upland	6.67	82.83	1.03
10056	LA-Upland	9.12	82.84	1.03
10057	LA-Upland	10.80	82.84	1.03
10058	LA-Upland	12.01	82.84	1.03
10059	LA-Upland	12.92	82.85	1.03
10060	LA-Upland	9.97	82.85	1.03
10061	LA-Upland	4.97	82.85	0.96
10062	LA-Upland	0.67	82.85	0.96

Page 131 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
10141	LA-Upland	0.00	82.92	0.96
10142	LA-Upland	0.00	82.92	0.96
10143	LA-Upland	0.00	82.92	0.96
10144	LA-Upland	0.00	82.92	0.96
10145	LA-Upland	0.00	82.92	0.96
10146	LA-Upland	0.00	82.92	0.96
10147	LA-Upland	0.00	82.92	0.96
10148	LA-Upland	0.16	82.92	0.96
10149	LA-Upland	1.09	82.92	0.96
10150	LA-Upland	0.00	82.92	0.96
10151	LA-Upland	0.95	82.92	0.96
10152	LA-Upland	4.40	82.92	0.96
10153	LA-Upland	8.31	82.92	0.96
10154	LA-Upland	10.83	82.92	0.96
10155	LA-Upland	11.78	82.93	0.96
10156	LA-Upland	12.69	82.93	0.96
10157	LA-Upland	12.78	82.93	0.96
10158	LA-Upland	12.55	82.94	0.96
10159	LA-Upland	12.11	82.94	0.96
10160	LA-Upland	10.76	82.94	0.96
10161	LA-Upland	9.06	82.95	0.96
10162	LA-Upland	7.44	82.95	0.96
10163	LA-Upland	6.55	82.95	0.96
10164	LA-Upland	5.78	82.95	1.85
10165	LA-Upland	5.25	82.95	1.85
10166	LA-Upland	5.42	82.95	1.85
10167	LA-Upland	6.45	82.96	1.85
10168	LA-Upland	7.34	82.96	1.85
10169	LA-Upland	6.57	82.96	1.85
10170	LA-Upland	4.40	82.96	1.85
10171	LA-Upland	2.14	82.96	1.85
10172	LA-Upland	0.16	82.96	1.85
10173	LA-Upland	0.00	82.96	1.85
10174	LA-Upland	0.00	82.96	1.85
10175	LA-Upland	0.00	82.96	1.85
10176	LA-Upland	0.00	82.96	1.85
10177	LA-Upland	0.00	82.96	1.85
10178	LA-Upland	0.00	82.96	1.85
10179	LA-Upland	0.00	82.96	1.85
10180	LA-Upland	0.00	82.96	1.85
10181	LA-Upland	0.15	82.96	1.85
10182	LA-Upland	0.15	82.96	1.85
10183	LA-Upland	0.00	82.96	1.85
10184	LA-Upland	0.15	82.96	1.85
10185	LA-Upland	2.01	82.96	1.85
10186	LA-Upland	3.28	82.96	1.85
10187	LA-Upland	2.25	82.96	1.85
10188	LA-Upland	0.62	82.96	1.85
10189	LA-Upland	0.00	82.96	1.85
10190	LA-Upland	0.16	82.96	1.85
10191	LA-Upland	0.47	82.96	1.85
10192	LA-Upland	0.00	82.96	1.85
10193	LA-Upland	0.00	82.96	1.85
10194	LA-Upland	0.00	82.96	1.85
10195	LA-Upland	0.00	82.96	1.85
10196	LA-Upland	0.00	82.96	1.85
10197	LA-Upland	0.00	82.96	1.85
10198	LA-Upland	0.00	82.96	1.85
10199	LA-Upland	0.13	82.96	1.85
10200	LA-Upland	0.00	82.96	1.85
10201	LA-Upland	0.00	82.96	1.85
10202	LA-Upland	0.98	82.96	1.85
10203	LA-Upland	3.63	82.97	1.85
10204	LA-Upland	4.92	82.97	1.85
10205	LA-Upland	4.77	82.97	1.85
10206	LA-Upland	4.25	82.97	1.85
10207	LA-Upland	4.10	82.97	1.85
10208	LA-Upland	3.39	82.97	1.85
10209	LA-Upland	1.97	82.97	1.85
10210	LA-Upland	0.37	82.97	1.85
10211	LA-Upland	0.00	82.97	1.85
10212	LA-Upland	0.00	82.97	1.85
10213	LA-Upland	0.00	82.97	1.85
10214	LA-Upland	0.00	82.97	1.85
10215	LA-Upland	0.00	82.97	1.85
10216	LA-Upland	0.63	82.97	1.85
10217	LA-Upland	4.23	82.97	1.85
10218	LA-Upland	6.91	82.97	1.85

Page 130 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
10063	LA-Upland	0.00	82.85	0.96
10064	LA-Upland	0.00	82.85	0.96
10065	LA-Upland	0.14	82.85	0.96
10066	LA-Upland	2.38	82.85	0.96
10067	LA-Upland	6.09	82.85	0.96
10068	LA-Upland	9.44	82.86	0.96
10069	LA-Upland	12.48	82.86	0.96
10070	LA-Upland	15.04	82.86	0.96
10071	LA-Upland	17.54	82.87	0.96
10072	LA-Upland	19.38	82.87	0.96
10073	LA-Upland	19.61	82.88	0.96
10074	LA-Upland	18.68	82.88	0.96
10075	LA-Upland	16.09	82.89	0.96
10076	LA-Upland	12.95	82.89	0.96
10077	LA-Upland	9.79	82.90	0.96
10078	LA-Upland	6.63	82.90	0.96
10079	LA-Upland	4.57	82.90	0.96
10080	LA-Upland	3.09	82.90	0.96
10081	LA-Upland	1.87	82.90	0.96
10082	LA-Upland	2.11	82.90	0.96
10083	LA-Upland	1.95	82.90	0.96
10084	LA-Upland	1.28	82.90	0.96
10085	LA-Upland	0.89	82.90	0.96
10086	LA-Upland	0.75	82.90	0.96
10087	LA-Upland	0.28	82.90	0.96
10088	LA-Upland	1.02	82.90	0.96
10089	LA-Upland	0.54	82.90	0.96
10090	LA-Upland	0.00	82.90	0.96
10091	LA-Upland	0.00	82.90	0.96
10092	LA-Upland	0.00	82.90	0.96
10093	LA-Upland	0.00	82.90	0.96
10094	LA-Upland	0.00	82.90	0.96
10095	LA-Upland	0.00	82.90	0.96
10096	LA-Upland	0.00	82.90	0.96
10097	LA-Upland	0.28	82.90	0.96
10098	LA-Upland	0.89	82.90	0.96
10099	LA-Upland	1.56	82.90	0.96
10100	LA-Upland	2.16	82.90	0.96
10101	LA-Upland	1.85	82.90	0.96
10102	LA-Upland	1.28	82.90	0.96
10103	LA-Upland	1.11	82.90	0.96
10104	LA-Upland	1.47	82.91	0.96
10105	LA-Upland	1.89	82.91	0.96
10106	LA-Upland	1.38	82.91	0.96
10107	LA-Upland	0.51	82.91	0.96
10108	LA-Upland	0.00	82.91	0.96
10109	LA-Upland	0.00	82.91	0.96
10110	LA-Upland	0.00	82.91	0.96
10111	LA-Upland	0.00	82.91	0.96
10112	LA-Upland	0.16	82.91	0.96
10113	LA-Upland	1.22	82.91	0.96
10114	LA-Upland	2.16	82.91	0.96
10115	LA-Upland	4.10	82.91	0.96
10116	LA-Upland	5.26	82.91	0.96
10117	LA-Upland	4.96	82.91	0.96
10118	LA-Upland	3.78	82.91	0.96
10119	LA-Upland	3.74	82.91	0.96
10120	LA-Upland	3.60	82.91	0.96
10121	LA-Upland	2.89	82.91	0.96
10122	LA-Upland	2.00	82.92	0.96
10123	LA-Upland	1.23	82.92	0.96
10124	LA-Upland	0.51	82.92	0.96
10125	LA-Upland	0.00	82.92	0.96
10126	LA-Upland	0.00	82.92	0.96
10127	LA-Upland	0.00	82.92	0.96
10128	LA-Upland	0.00	82.92	0.96
10129	LA-Upland	0.00	82.92	0.96
10130	LA-Upland	0.00	82.92	0.96
10131	LA-Upland	0.00	82.92	0.96
10132	LA-Upland	0.00	82.92	0.96
10133	LA-Upland	0.00	82.92	0.96
10134	LA-Upland	0.00	82.92	0.96
10135	LA-Upland	0.00	82.92	0.96
10136	LA-Upland	0.00	82.92	0.96
10137	LA-Upland	0.00	82.92	0.96
10138	LA-Upland	0.00	82.92	0.96
10139	LA-Upland	0.00	82.92	0.96
10140	LA-Upland	0.00	82.92	0.96

Page 133 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
10297	LA-Upland	2.02	83.00	1.85
10298	LA-Upland	1.63	83.00	1.85
10299	LA-Upland	0.37	83.00	1.85
10300	LA-Upland	0.00	83.00	1.85
10301	LA-Upland	0.00	83.00	1.85
10302	LA-Upland	0.00	83.00	1.85
10303	LA-Upland	0.00	83.00	1.85
10304	LA-Upland	0.00	83.00	1.85
10305	LA-Upland	0.00	83.00	1.85
10306	LA-Upland	0.00	83.00	1.85
10307	LA-Upland	0.00	83.00	1.85
10308	LA-Upland	0.00	83.00	1.85
10309	LA-Upland	0.49	83.00	1.85
10310	LA-Upland	0.45	83.00	1.85
10311	LA-Upland	0.00	83.00	1.85
10312	LA-Upland	0.00	83.00	1.85
10313	LA-Upland	0.00	83.00	1.85
10314	LA-Upland	0.00	83.00	1.85
10315	LA-Upland	0.00	83.00	1.85
10316	LA-Upland	0.00	83.00	1.85
10317	LA-Upland	0.00	83.00	1.85
10318	LA-Upland	0.00	83.00	1.85
10319	LA-Upland	0.00	83.00	1.85
10320	LA-Upland	0.00	83.00	1.85
10321	LA-Upland	0.80	83.00	1.85
10322	LA-Upland	1.58	83.00	1.85
10323	LA-Upland	2.38	83.00	1.85
10324	LA-Upland	3.12	83.00	1.85
10325	LA-Upland	3.71	83.00	1.85
10326	LA-Upland	4.25	83.00	1.85
10327	LA-Upland	4.08	83.00	1.85
10328	LA-Upland	3.39	83.01	1.85
10329	LA-Upland	2.46	83.01	1.85
10330	LA-Upland	1.96	83.01	1.85
10331	LA-Upland	1.80	83.01	1.85
10332	LA-Upland	1.51	83.01	1.85
10333	LA-Upland	1.18	83.01	1.85
10334	LA-Upland	1.35	83.01	1.85
10335	LA-Upland	1.62	83.01	1.85
10336	LA-Upland	1.52	83.01	1.85
10337	LA-Upland	1.93	83.01	1.85
10338	LA-Upland	2.37	83.01	1.85
10339	LA-Upland	2.55	83.01	1.85
10340	LA-Upland	2.63	83.01	1.85
10341	LA-Upland	2.91	83.01	1.85
10342	LA-Upland	2.44	83.01	1.85
10343	LA-Upland	1.91	83.01	1.85
10344	LA-Upland	1.37	83.01	1.85
10345	LA-Upland	0.94	83.01	1.85
10346	LA-Upland	1.38	83.01	1.85
10347	LA-Upland	2.23	83.01	1.85
10348	LA-Upland	2.71	83.02	1.85
10349	LA-Upland	2.06	83.02	1.85
10350	LA-Upland	0.91	83.02	1.85
10351	LA-Upland	0.00	83.02	1.85
10352	LA-Upland	0.00	83.02	1.85
10353	LA-Upland	0.00	83.02	1.85
10354	LA-Upland	0.00	83.02	1.85
10355	LA-Upland	0.00	83.02	1.85
10356	LA-Upland	0.00	83.02	1.85
10357	LA-Upland	0.00	83.02	1.85
10358	LA-Upland	0.00	83.02	1.85
10359	LA-Upland	0.00	83.02	1.85
10360	LA-Upland	0.00	83.02	1.85
10361	LA-Upland	0.00	83.02	1.85
10362	LA-Upland	0.00	83.02	1.85
10363	LA-Upland	0.00	83.02	1.85
10364	LA-Upland	0.00	83.02	1.85
10365	LA-Upland	0.15	83.02	1.85
10366	LA-Upland	1.11	83.02	1.85
10367	LA-Upland	1.39	83.02	1.85
10368	LA-Upland	1.14	83.02	1.85
10369	LA-Upland	1.07	83.02	1.85
10370	LA-Upland	0.94	83.02	1.85
10371	LA-Upland	0.14	83.02	1.85
10372	LA-Upland	0.37	83.02	1.85
10373	LA-Upland	0.38	83.02	1.85
10374	LA-Upland	0.00	83.02	1.85

Page 135 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
10453	LA-Upland	2.20	83.06	1.36
10454	LA-Upland	2.74	83.06	1.36
10455	LA-Upland	2.71	83.06	1.36
10456	LA-Upland	3.00	83.06	1.36
10457	LA-Upland	3.22	83.06	1.36
10458	LA-Upland	2.26	83.06	1.36
10459	LA-Upland	1.14	83.06	1.36
10460	LA-Upland	0.00	83.06	1.36
10461	LA-Upland	0.00	83.06	1.36
10462	LA-Upland	0.00	83.06	1.36
10463	LA-Upland	0.15	83.06	1.36
10464	LA-Upland	1.20	83.06	1.36
10465	LA-Upland	2.03	83.06	1.36
10466	LA-Upland	2.24	83.06	1.36
10467	LA-Upland	1.76	83.06	1.36
10468	LA-Upland	1.59	83.06	1.36
10469	LA-Upland	1.66	83.07	1.36
10470	LA-Upland	1.74	83.07	1.36
10471	LA-Upland	2.51	83.07	1.36
10472	LA-Upland	4.72	83.07	1.36
10473	LA-Upland	7.01	83.07	1.36
10474	LA-Upland	8.48	83.07	1.36
10475	LA-Upland	11.34	83.08	1.36
10476	LA-Upland	12.56	83.08	1.36
10477	LA-Upland	15.40	83.08	1.36
10478	LA-Upland	17.05	83.09	1.36
10479	LA-Upland	18.56	83.09	1.36
10480	LA-Upland	19.79	83.10	1.36
10481	LA-Upland	20.95	83.10	1.36
10482	LA-Upland	22.17	83.11	1.36
10483	LA-Upland	23.47	83.12	1.36
10484	LA-Upland	24.78	83.12	1.36
10485	LA-Upland	25.58	83.13	1.36
10486	LA-Upland	25.02	83.14	1.36
10487	LA-Upland	25.57	83.14	1.36
10488	LA-Upland	26.68	83.15	0.93
10489	LA-Upland	27.84	83.16	0.93
10490	LA-Upland	28.60	83.17	0.93
10491	LA-Upland	30.02	83.18	0.93
10492	LA-Upland	31.37	83.18	0.93
10493	LA-Upland	32.68	83.19	0.93
10494	LA-Upland	33.26	83.20	0.93
10495	LA-Upland	32.25	83.21	0.93
10496	LA-Upland	31.88	83.22	0.93
10497	LA-Upland	31.33	83.23	0.93
10498	LA-Upland	30.94	83.24	0.93
10499	LA-Upland	31.86	83.25	0.93
10500	LA-Upland	32.75	83.25	2.57
10501	LA-Upland	33.34	83.26	2.57
10502	LA-Upland	33.25	83.27	2.57
10503	LA-Upland	33.25	83.28	2.57
10504	LA-Upland	32.52	83.29	2.57
10505	LA-Upland	31.35	83.30	2.57
10506	LA-Upland	30.35	83.31	2.57
10507	LA-Upland	27.46	83.32	2.57
10508	LA-Upland	23.77	83.32	2.57
10509	LA-Upland	20.74	83.33	2.57
10510	LA-Upland	18.10	83.33	2.57
10511	LA-Upland	15.94	83.34	2.57
10512	LA-Upland	13.83	83.34	2.57
10513	LA-Upland	11.68	83.34	2.57
10514	LA-Upland	9.52	83.35	2.57
10515	LA-Upland	7.20	83.35	2.57
10516	LA-Upland	6.43	83.35	1.33
10517	LA-Upland	5.95	83.35	1.33
10518	LA-Upland	5.42	83.35	1.33
10519	LA-Upland	4.56	83.35	1.33
10520	LA-Upland	3.31	83.36	1.33
10521	LA-Upland	1.24	83.36	1.33
10522	LA-Upland	0.00	83.36	1.33
10523	LA-Upland	0.00	83.36	1.33
10524	LA-Upland	0.00	83.36	1.33
10525	LA-Upland	0.00	83.36	1.33
10526	LA-Upland	0.00	83.36	1.33
10527	LA-Upland	0.00	83.36	1.33
10528	LA-Upland	0.00	83.36	1.33
10529	LA-Upland	0.00	83.36	1.33
10530	LA-Upland	0.00	83.36	1.33

Page 134 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
10375	LA-Upland	0.00	83.02	1.85
10376	LA-Upland	0.00	83.02	1.85
10377	LA-Upland	0.00	83.02	1.85
10378	LA-Upland	0.00	83.02	1.85
10379	LA-Upland	0.00	83.02	1.85
10380	LA-Upland	0.00	83.02	1.85
10381	LA-Upland	0.00	83.02	1.85
10382	LA-Upland	0.00	83.02	1.85
10383	LA-Upland	1.27	83.02	1.85
10384	LA-Upland	2.93	83.02	1.85
10385	LA-Upland	4.08	83.02	1.85
10386	LA-Upland	5.70	83.02	1.85
10387	LA-Upland	7.55	83.02	1.85
10388	LA-Upland	7.72	83.03	1.85
10389	LA-Upland	7.06	83.03	1.85
10390	LA-Upland	5.98	83.03	1.85
10391	LA-Upland	5.98	83.03	1.85
10392	LA-Upland	8.11	83.03	1.85
10393	LA-Upland	9.49	83.04	1.85
10394	LA-Upland	8.81	83.04	1.85
10395	LA-Upland	8.01	83.04	1.85
10396	LA-Upland	7.27	83.04	1.85
10397	LA-Upland	6.52	83.04	1.85
10398	LA-Upland	5.91	83.05	1.85
10399	LA-Upland	5.62	83.05	1.85
10400	LA-Upland	5.21	83.05	1.85
10401	LA-Upland	4.32	83.05	1.36
10402	LA-Upland	3.45	83.05	1.36
10403	LA-Upland	2.69	83.05	1.36
10404	LA-Upland	1.75	83.05	1.36
10405	LA-Upland	0.58	83.05	1.36
10406	LA-Upland	0.00	83.05	1.36
10407	LA-Upland	0.00	83.05	1.36
10408	LA-Upland	0.00	83.05	1.36
10409	LA-Upland	0.00	83.05	1.36
10410	LA-Upland	0.00	83.05	1.36
10411	LA-Upland	0.79	83.05	1.36
10412	LA-Upland	1.84	83.05	1.36
10413	LA-Upland	2.70	83.05	1.36
10414	LA-Upland	3.07	83.06	1.36
10415	LA-Upland	2.54	83.06	1.36
10416	LA-Upland	1.96	83.06	1.36
10417	LA-Upland	1.24	83.06	1.36
10418	LA-Upland	0.14	83.06	1.36
10419	LA-Upland	0.00	83.06	1.36
10420	LA-Upland	0.00	83.06	1.36
10421	LA-Upland	0.00	83.06	1.36
10422	LA-Upland	0.00	83.06	1.36
10423	LA-Upland	0.00	83.06	1.36
10424	LA-Upland	0.00	83.06	1.36
10425	LA-Upland	0.00	83.06	1.36
10426	LA-Upland	0.00	83.06	1.36
10427	LA-Upland	0.00	83.06	1.36
10428	LA-Upland	0.00	83.06	1.36
10429	LA-Upland	0.00	83.06	1.36
10430	LA-Upland	0.00	83.06	1.36
10431	LA-Upland	0.00	83.06	1.36
10432	LA-Upland	0.00	83.06	1.36
10433	LA-Upland	0.00	83.06	1.36
10434	LA-Upland	0.00	83.06	1.36
10435	LA-Upland	0.00	83.06	1.36
10436	LA-Upland	0.00	83.06	1.36
10437	LA-Upland	0.00	83.06	1.36
10438	LA-Upland	0.00	83.06	1.36
10439	LA-Upland	0.00	83.06	1.36
10440	LA-Upland	0.00	83.06	1.36
10441	LA-Upland	0.00	83.06	1.36
10442	LA-Upland	0.00	83.06	1.36
10443	LA-Upland	0.00	83.06	1.36
10444	LA-Upland	0.00	83.06	1.36
10445	LA-Upland	0.00	83.06	1.36
10446	LA-Upland	0.00	83.06	1.36
10447	LA-Upland	0.00	83.06	1.36
10448	LA-Upland	0.00	83.06	1.36
10449	LA-Upland	0.00	83.06	1.36
10450	LA-Upland	0.00	83.06	1.36
10451	LA-Upland	1.01	83.06	1.36
10452	LA-Upland	1.61	83.06	1.36

Page 137 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
10609	LA-Upland	7.22	83.58	0.13
10610	LA-Upland	8.93	83.58	0.13
10611	LA-Upland	10.56	83.58	0.13
10612	LA-Upland	12.58	83.59	0.13
10613	LA-Upland	13.03	83.59	0.13
10614	LA-Upland	12.97	83.59	0.13
10615	LA-Upland	13.24	83.60	0.13
10616	LA-Upland	14.83	83.60	0.13
10617	LA-Upland	15.07	83.61	0.13
10618	LA-Upland	16.68	83.61	0.13
10619	LA-Upland	18.62	83.61	0.13
10620	LA-Upland	19.57	83.62	0.13
10621	LA-Upland	20.11	83.63	0.13
10622	LA-Upland	20.54	83.63	0.13
10623	LA-Upland	20.14	83.64	0.13
10624	LA-Upland	20.60	83.64	0.13
10625	LA-Upland	21.55	83.65	0.13
10626	LA-Upland	22.42	83.65	0.55
10627	LA-Upland	23.55	83.66	0.55
10628	LA-Upland	24.89	83.67	0.55
10629	LA-Upland	26.52	83.68	0.55
10630	LA-Upland	27.34	83.68	0.55
10631	LA-Upland	28.68	83.69	0.55
10632	LA-Upland	29.90	83.70	0.55
10633	LA-Upland	29.79	83.71	0.55
10634	LA-Upland	30.07	83.72	0.55
10635	LA-Upland	30.65	83.72	0.55
10636	LA-Upland	30.75	83.73	0.55
10637	LA-Upland	31.33	83.74	0.55
10638	LA-Upland	31.16	83.75	0.55
10639	LA-Upland	30.61	83.76	-0.05
10640	LA-Upland	30.22	83.77	-0.05
10641	LA-Upland	29.87	83.77	-0.05
10642	LA-Upland	29.49	83.78	-0.05
10643	LA-Upland	29.14	83.79	-0.05
10644	LA-Upland	28.18	83.80	-0.05
10645	LA-Upland	26.71	83.81	-0.05
10646	LA-Upland	24.73	83.81	-0.05
10647	LA-Upland	22.91	83.82	-0.05
10648	LA-Upland	20.67	83.82	-0.05
10649	LA-Upland	18.06	83.83	-0.05
10650	LA-Upland	15.53	83.83	-0.05
10651	LA-Upland	12.93	83.84	-0.05
10652	LA-Upland	10.71	83.84	-0.05
10653	LA-Upland	8.93	83.84	-0.05
10654	LA-Upland	7.23	83.84	-0.05
10655	LA-Upland	6.67	83.85	-0.05
10656	LA-Upland	6.54	83.85	-0.05
10657	LA-Upland	8.81	83.85	-1.53
10658	LA-Upland	11.19	83.85	-1.53
10659	LA-Upland	12.85	83.86	-1.53
10660	LA-Upland	14.72	83.86	-1.53
10661	LA-Upland	16.73	83.87	-1.53
10662	LA-Upland	18.84	83.87	-1.53
10663	LA-Upland	20.64	83.88	-1.53
10664	LA-Upland	22.26	83.88	-1.53
10665	LA-Upland	22.93	83.89	-1.53
10666	LA-Upland	22.55	83.90	-1.53
10667	LA-Upland	23.19	83.90	-1.53
10668	LA-Upland	24.22	83.91	-1.53
10669	LA-Upland	24.63	83.91	-1.53
10670	LA-Upland	24.61	83.92	-1.53
10671	LA-Upland	23.93	83.93	-1.53
10672	LA-Upland	23.53	83.93	-1.53
10673	LA-Upland	23.37	83.94	-1.53
10674	LA-Upland	22.61	83.95	-1.53
10675	LA-Upland	21.89	83.95	-0.72
10676	LA-Upland	21.22	83.96	-0.72
10677	LA-Upland	20.56	83.96	-0.72
10678	LA-Upland	20.03	83.97	-0.72
10679	LA-Upland	19.00	83.98	-0.72
10680	LA-Upland	17.09	83.98	-0.72
10681	LA-Upland	15.16	83.98	-0.72
10682	LA-Upland	13.25	83.99	-0.72
10683	LA-Upland	11.39	83.99	-0.72
10684	LA-Upland	10.02	83.99	-0.72
10685	LA-Upland	8.20	84.00	-0.72
10686	LA-Upland	6.12	84.00	-0.72

Page 139 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
10705	LA-Upland	9.27	84.33	0.47
10706	LA-Upland	4.74	84.33	0.47
10707	LA-Upland	1.28	84.33	0.47
10708	LA-Upland	0.00	84.33	0.47
10709	LA-Upland	0.00	84.33	0.47
10710	LA-Upland	0.00	84.33	0.47
10711	LA-Upland	0.00	84.33	0.47
10712	LA-Upland	0.00	84.33	0.47
10713	LA-Upland	0.00	84.33	0.47
10714	LA-Upland	0.00	84.33	0.47
10715	LA-Upland	0.00	84.33	0.47
10716	LA-Upland	0.00	84.33	0.47
10717	LA-Upland	0.00	84.33	0.47
10718	LA-Upland	0.00	84.33	0.47
10719	LA-Upland	0.00	84.33	0.47
10720	LA-Upland	0.00	84.33	0.47
10721	LA-Upland	0.00	84.33	0.47
10722	LA-Upland	0.00	84.33	0.47
10723	LA-Upland	0.00	84.33	0.47
10724	LA-Upland	0.00	84.33	0.47
10725	LA-Upland	0.00	84.33	0.47
10726	LA-Upland	0.00	84.33	0.47
10727	LA-Upland	0.00	84.33	0.47
10728	LA-Upland	0.00	84.33	0.47
10729	LA-Upland	0.00	84.33	0.47
10730	LA-Upland	0.00	84.33	0.47
10731	LA-Upland	0.00	84.33	0.47
10732	LA-Upland	0.00	84.33	0.47
10733	LA-Upland	0.00	84.33	0.47
10734	LA-Upland	0.00	84.33	0.47
10735	LA-Upland	0.00	84.33	0.47
10736	LA-Upland	0.00	84.33	0.47
10737	LA-Upland	0.00	84.33	0.47
10738	LA-Upland	0.00	84.33	0.47
10739	LA-Upland	0.00	84.33	0.47
10740	LA-Upland	0.00	84.33	0.47
10741	LA-Upland	0.00	84.33	0.47
10742	LA-Upland	0.00	84.33	0.47
10743	LA-Upland	0.00	84.33	0.47
10744	LA-Upland	0.00	84.33	0.47
10745	LA-Upland	0.00	84.33	0.47
10746	LA-Upland	0.00	84.33	0.47
10747	LA-Upland	0.00	84.33	0.47
10748	LA-Upland	0.00	84.33	0.47
10749	LA-Upland	0.00	84.33	0.47
10750	LA-Upland	0.00	84.33	0.47
10751	LA-Upland	0.00	84.33	0.47
10752	LA-Upland	0.00	84.33	0.47
10753	LA-Upland	0.00	84.33	0.47
10754	LA-Upland	0.00	84.33	0.47
10755	LA-Upland	0.00	84.33	0.47
10756	LA-Upland	0.00	84.33	0.47
10757	LA-Upland	0.00	84.33	0.47
10758	LA-Upland	0.00	84.33	0.47
10759	LA-Upland	0.00	84.33	0.47
10760	LA-Upland	0.00	84.33	0.47
10761	LA-Upland	0.00	84.33	0.47
10762	LA-Upland	0.00	84.33	0.47
10763	LA-Upland	0.00	84.33	0.47
10764	LA-Upland	0.00	84.33	0.47
10765	LA-Upland	0.00	84.33	0.47
10766	LA-Upland	0.00	84.33	0.47
10767	LA-Upland	0.00	84.33	0.47
10768	LA-Upland	0.00	84.33	0.47
10769	LA-Upland	0.00	84.33	0.47
10770	LA-Upland	0.00	84.33	0.47
10771	LA-Upland	0.00	84.33	0.47
10772	LA-Upland	0.00	84.33	0.47
10773	LA-Upland	0.00	84.33	0.47
10774	LA-Upland	0.00	84.33	0.47
10775	LA-Upland	0.00	84.33	0.47
10776	LA-Upland	0.00	84.33	0.47
10777	LA-Upland	0.00	84.33	0.47
10778	LA-Upland	0.00	84.33	0.47
10779	LA-Upland	0.00	84.33	0.47
10780	LA-Upland	0.00	84.33	0.47
10781	LA-Upland	0.00	84.33	0.47
10782	LA-Upland	0.00	84.33	0.47
10783	LA-Upland	0.00	84.33	0.47
10784	LA-Upland	0.00	84.33	0.47
10785	LA-Upland	0.00	84.33	0.47
10786	LA-Upland	0.00	84.33	0.47
10787	LA-Upland	0.00	84.33	0.47
10788	LA-Upland	0.00	84.33	0.47
10789	LA-Upland	0.00	84.33	0.47
10790	LA-Upland	0.00	84.33	0.47
10791	LA-Upland	0.00	84.33	0.47
10792	LA-Upland	0.00	84.33	0.47
10793	LA-Upland	0.00	84.33	0.47
10794	LA-Upland	0.00	84.33	0.47
10795	LA-Upland	0.00	84.33	0.47
10796	LA-Upland	0.00	84.33	0.47
10797	LA-Upland	0.00	84.33	0.47
10798	LA-Upland	0.00	84.33	0.47
10799	LA-Upland	0.00	84.33	0.47
10800	LA-Upland	0.00	84.33	0.47
10801	LA-Upland	0.00	84.33	0.47
10802	LA-Upland	0.00	84.33	0.47
10803	LA-Upland	0.00	84.33	0.47
10804	LA-Upland	0.00	84.33	0.47
10805	LA-Upland	0.00	84.33	0.47
10806	LA-Upland	0.00	84.33	0.47
10807	LA-Upland	0.00	84.33	0.47
10808	LA-Upland	0.00	84.33	0.47
10809	LA-Upland	0.00	84.33	0.47
10810	LA-Upland	0.00	84.33	0.47
10811	LA-Upland	0.00	84.33	0.47
10812	LA-Upland	0.00	84.33	0.47
10813	LA-Upland	0.00	84.33	0.47
10814	LA-Upland	0.00	84.33	0.47
10815	LA-Upland	0.00	84.33	0.47
10816	LA-Upland	0.00	84.33	0.47
10817	LA-Upland	0.00	84.33	0.47
10818	LA-Upland	0.00	84.33	0.47
10819	LA-Upland	0.00	84.33	0.47
10820	LA-Upland	0.00	84.33	0.47
10821	LA-Upland	0.00	84.33	0.47
10822	LA-Upland	0.00	84.33	0.47
10823	LA-Upland	0.00	84.33	0.47
10824	LA-Upland	0.00	84.33	0.47
10825	LA-Upland	0.00	84.33	0.47
10826	LA-Upland	0.00	84.33	0.47
10827	LA-Upland	0.00	84.33	0.47
10828	LA-Upland	0.00	84.33	0.47
10829	LA-Upland	0.00	84.33	0.47
10830	LA-Upland	0.00	84.33	0.47
10831	LA-Upland	0.00	84.33	0.47
10832	LA-Upland	0.00	84.33	0.47
10833	LA-Upland	0.00	84.33	0.47
10834	LA-Upland	0.00	84.33	0.47
10835	LA-Upland	0.00	84.33	0.47
10836	LA-Upland	0.00	84.33	0.47
10837	LA-Upland	0.00	84.33	0.47
10838	LA-Upland	0.00	84.33	0.47
10839	LA-Upland	0.00	84.33	0.47
10840	LA-Upland	0.00	84.33	0.47
10841	LA-Upland	0.00	84.33	0.47
10842	LA-Upland	0.00	84.33	0.47

Page 138 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
10687	LA-Upland	4.71	84.00	-0.72
10688	LA-Upland	3.92	84.00	-0.72
10689	LA-Upland	3.37	84.00	-0.72
10690	LA-Upland	2.80	84.00	-0.72
10691	LA-Upland	1.84	84.00	-0.72
10692	LA-Upland	0.89	84.00	-0.72
10693	LA-Upland	0.00	84.00	-0.72
10694	LA-Upland	0.00	84.00	-0.72
10695	LA-Upland	0.00	84.00	-0.72
10696	LA-Upland	0.00	84.00	-0.72
10697	LA-Upland	0.00	84.00	-0.72
10698	LA-Upland	0.00	84.00	-0.72
10699	LA-Upland	0.00	84.00	-0.72
10700	LA-Upland	0.00	84.00	-0.72
10701	LA-Upland	0.00	84.00	-0.72
10702	LA-Upland	0.00	84.00	-0.72
10703	LA-Upland	0.00	84.00	-0.72
10704	LA-Upland	0.00	84.00	-0.72
10705	LA-Upland	0.00	84.00	-0.72
10706	LA-Upland	0.00	84.00	-0.72
10707	LA-Upland	0.00	84.00	-0.72
10708	LA-Upland	0.00	84.00	-0.72
10709	LA-Upland	0.00	84.00	-0.72
10710	LA-Upland	0.00	84.00	-0.72
10711	LA-Upland	0.00	84.00	-0.72
10712	LA-Upland	0.00	84.00	-0.72
10713	LA-Upland	0.00	84.00	-0.72
10714	LA-Upland	1.18	84.00	-0.72
10715	LA-Upland	4.22	84.00	-0.72
10716	LA-Upland	7.44	84.01	-0.72
10717	LA-Upland	13.86	84.01	-0.72
10718	LA-Upland	10.61	84.01	-0.72
10719	LA-Upland	16.11	84.02	-0.72
10720	LA-Upland	18.09	84.02	-0.72
10721	LA-Upland	20.00	84.03	-0.72
10722	LA-Upland	22.49	84.03	-0.72
10723	LA-Upland	24.36	84.04	-0.72
10724	LA-Upland	24.32	84.05	-0.72
10725	LA-Upland	23.80	84.05	-0.66
10726	LA-Upland	24.51	84.06	-0.66
10727	LA-Upland	25.77	84.07	-0.56
10728	LA-Upland	27.03	84.08	-0.56
10729	LA-Upland	28.02	84.08	-0.56
10730	LA-Upland	29.07	84.09	-0.56
10731	LA-Upland	30.56	84.10	-0.56
10732	LA-Upland	30.51	84.11	-0.56
10733	LA-Upland	30.40	84.12	-0.56
10734	LA-Upland	31.28	84.12	-0.56
10735	LA-Upland	30.80	84.13	-0.56
10736	LA-Upland	31.23	84.14	-0.56
10737	LA-Upland	32.38	84.15	-0.10
10738	LA-Upland	32.92	84.16	-0.10
10739	LA-Upland	32.75	84.17	-0.10
10740	LA-Upland	32.42	84.18	-0.10
10741	LA-Upland	31.77	84.19	-0.10
10742	LA-Upland	30.89	84.19	-0.10
10743	LA-Upland	30.33	84.20	-0.10
10744	LA-Upland	29.38	84.21	-0.10
10745	LA-Upland	27.60	84.22	-0.10
10746	LA-Upland	24.85	84.23	-0.10
10747	LA-Upland	21.83	84.23	-0.10
10748	LA-Upland	19.01	84.24	-0.10
10749	LA-Upland	16.15	84.24	-0.10
10750	LA-Upland	14.62	84.25	-0.10
10751	LA-Upland	14.47	84.25	-0.10
10752	LA-Upland	15.57	84.25	-0.47
10753	LA-Upland	17.67	84.26	-0.47
10754	LA-Upland	20.45	84.26	-0.47
10755	LA-Upland	22.87	84.27	-0.47
10756	LA-Upland	25.13	84.28	-0.47
10757	LA-Upland	26.83	84.28	-0.47
10758	LA-Upland	27.90	84.29	-0.47
10759	LA-Upland	27.95	84.30	-0.47
10760	LA-Upland	27.10	84.31	-0.47
10761	LA-Upland	26.03	84.31	-0.47
10762	LA-Upland	23.54	84.32	-0.47
10763	LA-Upland	19.13	84.33	-0.47
10764	LA-Upland	12.25	84.33	-0.47

Page 141 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
10921	LA-Upland	11.80	84.95	3.39
10922	LA-Upland	13.81	84.95	3.39
10923	LA-Upland	15.13	84.95	2.23
10924	LA-Upland	14.86	84.96	2.23
10925	LA-Upland	14.12	84.96	2.23
10926	LA-Upland	12.40	84.97	2.23
10927	LA-Upland	10.26	84.97	2.23
10928	LA-Upland	8.16	84.97	2.23
10929	LA-Upland	6.40	84.97	2.23
10930	LA-Upland	5.89	84.97	2.23
10931	LA-Upland	5.80	84.98	2.23
10932	LA-Upland	6.14	84.98	2.23
10933	LA-Upland	6.34	84.98	2.23
10934	LA-Upland	6.63	84.98	2.23
10935	LA-Upland	8.13	84.98	2.23
10936	LA-Upland	8.06	84.98	2.23
10937	LA-Upland	7.30	84.99	2.23
10938	LA-Upland	5.82	84.99	2.23
10939	LA-Upland	4.64	84.99	2.23
10940	LA-Upland	4.86	84.99	2.23
10941	LA-Upland	7.06	84.99	2.23
10942	LA-Upland	10.06	85.00	2.23
10943	LA-Upland	11.39	85.00	2.23
10944	LA-Upland	10.97	85.00	2.23
10945	LA-Upland	11.75	85.01	2.23
10946	LA-Upland	13.62	85.01	2.23
10947	LA-Upland	15.13	85.01	2.23
10948	LA-Upland	15.71	85.02	2.23
10949	LA-Upland	15.00	85.02	2.23
10950	LA-Upland	13.94	85.03	2.23
10951	LA-Upland	11.61	85.03	2.23
10952	LA-Upland	8.72	85.03	2.23
10953	LA-Upland	5.80	85.03	2.23
10954	LA-Upland	4.57	85.03	2.23
10955	LA-Upland	3.90	85.03	2.23
10956	LA-Upland	4.09	85.04	2.23
10957	LA-Upland	4.53	85.04	2.23
10958	LA-Upland	5.45	85.04	2.23
10959	LA-Upland	8.10	85.04	2.23
10960	LA-Upland	10.94	85.04	2.23
10961	LA-Upland	13.34	85.05	2.23
10962	LA-Upland	15.60	85.05	0.92
10963	LA-Upland	16.83	85.06	0.92
10964	LA-Upland	16.32	85.06	0.92
10965	LA-Upland	15.99	85.07	0.92
10966	LA-Upland	17.04	85.07	0.92
10967	LA-Upland	19.22	85.08	0.92
10968	LA-Upland	21.36	85.08	0.92
10969	LA-Upland	21.76	85.09	0.92
10970	LA-Upland	21.20	85.09	0.92
10971	LA-Upland	20.01	85.10	0.92
10972	LA-Upland	19.33	85.10	0.92
10973	LA-Upland	19.11	85.11	0.92
10974	LA-Upland	18.84	85.11	0.92
10975	LA-Upland	18.62	85.12	0.92
10976	LA-Upland	19.48	85.12	0.92
10977	LA-Upland	21.38	85.13	0.92
10978	LA-Upland	22.75	85.14	0.92
10979	LA-Upland	22.61	85.14	0.92
10980	LA-Upland	21.32	85.15	0.92
10981	LA-Upland	17.85	85.15	-0.21
10982	LA-Upland	13.39	85.16	-0.21
10983	LA-Upland	10.18	85.16	-0.21
10984	LA-Upland	9.63	85.16	-0.21
10985	LA-Upland	12.07	85.17	-0.21
10986	LA-Upland	14.72	85.17	-0.21
10987	LA-Upland	17.47	85.18	-0.21
10988	LA-Upland	20.05	85.18	-0.21
10989	LA-Upland	22.65	85.19	-0.21
10990	LA-Upland	25.51	85.19	-0.21
10991	LA-Upland	27.88	85.20	-0.21
10992	LA-Upland	28.99	85.21	-0.21
10993	LA-Upland	28.35	85.22	-0.21
10994	LA-Upland	27.33	85.22	-0.21
10995	LA-Upland	26.40	85.23	-0.21
10996	LA-Upland	25.76	85.24	-0.21
10997	LA-Upland	25.31	85.25	-0.21
10998	LA-Upland	23.16	85.25	-0.23

Page 142 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
11077	LA-Upland	55.49	86.14	2.02
11078	LA-Upland	55.79	86.15	-3.03
11079	LA-Upland	56.09	86.17	-3.03
11080	LA-Upland	56.45	86.18	-3.03
11081	LA-Upland	57.18	86.20	-3.03
11082	LA-Upland	57.55	86.21	-3.03
11083	LA-Upland	57.86	86.23	-3.03
11084	LA-Upland	58.44	86.25	-3.03
11085	LA-Upland	58.52	86.26	-3.93
11086	LA-Upland	58.75	86.28	-3.93
11087	LA-Upland	59.02	86.29	-3.93
11088	LA-Upland	59.36	86.31	-3.93
11089	LA-Upland	60.19	86.33	-3.93
11090	LA-Upland	61.18	86.34	-3.93
11091	LA-Upland	62.30	86.36	-3.37
11092	LA-Upland	62.71	86.38	-3.37
11093	LA-Upland	62.88	86.40	-3.37
11094	LA-Upland	62.70	86.41	-3.37
11095	LA-Upland	62.60	86.43	-3.37
11096	LA-Upland	62.95	86.45	-3.37
11097	LA-Upland	62.91	86.46	-3.18
11098	LA-Upland	62.48	86.48	-3.18
11099	LA-Upland	62.29	86.50	-3.18
11100	LA-Upland	62.11	86.52	-3.18
11101	LA-Upland	62.04	86.53	-3.18
11102	LA-Upland	61.83	86.55	-2.61
11103	LA-Upland	62.25	86.57	-2.61
11104	LA-Upland	62.61	86.58	-2.61
11105	LA-Upland	62.03	86.60	-2.61
11106	LA-Upland	60.48	86.62	-2.61
11107	LA-Upland	59.73	86.63	-2.61
11108	LA-Upland	58.95	86.65	1.63
11109	LA-Upland	57.35	86.67	1.63
11110	LA-Upland	55.74	86.68	1.63
11111	LA-Upland	52.35	86.70	1.63
11112	LA-Upland	47.37	86.71	1.63
11113	LA-Upland	42.20	86.72	1.63
11114	LA-Upland	37.01	86.73	1.63
11115	LA-Upland	32.21	86.74	1.63
11116	LA-Upland	28.78	86.75	1.63
11117	LA-Upland	26.43	86.76	1.54
11118	LA-Upland	25.31	86.76	1.54
11119	LA-Upland	25.02	86.77	1.54
11120	LA-Upland	25.97	86.78	1.54
11121	LA-Upland	27.70	86.78	1.54
11122	LA-Upland	29.44	86.79	1.54
11123	LA-Upland	30.67	86.80	1.54
11124	LA-Upland	30.54	86.81	1.54
11125	LA-Upland	30.35	86.82	1.54
11126	LA-Upland	31.50	86.83	1.54
11127	LA-Upland	32.71	86.83	1.54
11128	LA-Upland	33.52	86.84	1.54
11129	LA-Upland	34.14	86.85	2.01
11130	LA-Upland	33.63	86.86	2.01
11131	LA-Upland	33.96	86.87	2.01
11132	LA-Upland	33.60	86.88	2.01
11133	LA-Upland	33.22	86.89	2.01
11134	LA-Upland	33.70	86.90	2.01
11135	LA-Upland	34.73	86.91	2.01
11136	LA-Upland	36.24	86.92	2.01
11137	LA-Upland	37.92	86.93	2.01
11138	LA-Upland	39.88	86.94	2.01
11139	LA-Upland	42.09	86.95	0.62
11140	LA-Upland	44.13	86.96	0.62
11141	LA-Upland	45.83	86.98	0.62
11142	LA-Upland	46.90	86.99	0.62
11143	LA-Upland	46.94	87.00	0.62
11144	LA-Upland	46.80	87.02	0.62
11145	LA-Upland	46.79	87.03	0.62
11146	LA-Upland	47.40	87.04	0.62
11147	LA-Upland	48.17	87.05	-0.60
11148	LA-Upland	48.93	87.07	-0.60
11149	LA-Upland	49.86	87.08	-0.60
11150	LA-Upland	51.03	87.10	-0.60
11151	LA-Upland	52.13	87.11	-0.60
11152	LA-Upland	53.30	87.12	-0.60
11153	LA-Upland	54.49	87.14	-0.60
11154	LA-Upland	55.24	87.15	-1.26

Page 142 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
10999	LA-Upland	20.01	85.26	-0.23
11000	LA-Upland	18.51	85.26	-0.23
11001	LA-Upland	18.96	85.27	-0.23
11002	LA-Upland	20.51	85.27	-0.23
11003	LA-Upland	21.52	85.28	-0.23
11004	LA-Upland	22.63	85.29	-0.23
11005	LA-Upland	23.78	85.29	-0.23
11006	LA-Upland	24.81	85.30	-0.23
11007	LA-Upland	26.42	85.31	-0.23
11008	LA-Upland	29.37	85.31	-0.23
11009	LA-Upland	31.55	85.32	-0.23
11010	LA-Upland	32.88	85.33	-0.23
11011	LA-Upland	34.80	85.34	-0.23
11012	LA-Upland	36.99	85.35	0.93
11013	LA-Upland	37.44	85.36	0.93
11014	LA-Upland	36.99	85.37	0.93
11015	LA-Upland	37.51	85.38	0.93
11016	LA-Upland	38.37	85.39	0.93
11017	LA-Upland	38.02	85.40	0.93
11018	LA-Upland	38.25	85.41	0.93
11019	LA-Upland	38.06	85.43	0.93
11020	LA-Upland	38.72	85.44	0.93
11021	LA-Upland	39.56	85.45	0.93
11022	LA-Upland	40.50	85.46	1.31
11023	LA-Upland	41.33	85.47	1.31
11024	LA-Upland	41.48	85.48	1.31
11025	LA-Upland	40.78	85.49	1.31
11026	LA-Upland	39.95	85.50	1.31
11027	LA-Upland	39.08	85.51	1.31
11028	LA-Upland	38.35	85.52	1.31
11029	LA-Upland	37.48	85.53	1.31
11030	LA-Upland	36.64	85.54	1.31
11031	LA-Upland	36.68	85.55	-1.15
11032	LA-Upland	37.46	85.56	-1.15
11033	LA-Upland	38.18	85.58	-1.15
11034	LA-Upland	38.77	85.59	-1.15
11035	LA-Upland	39.44	85.60	-1.15
11036	LA-Upland	40.22	85.61	-1.15
11037	LA-Upland	41.41	85.62	-1.15
11038	LA-Upland	42.66	85.63	-1.15
11039	LA-Upland	43.90	85.64	-1.15
11040	LA-Upland	44.63	85.66	3.46
11041	LA-Upland	44.55	85.67	3.46
11042	LA-Upland	43.80	85.68	3.46
11043	LA-Upland	43.07	85.69	3.46
11044	LA-Upland	42.64	85.70	3.46
11045	LA-Upland	42.37	85.71	3.46
11046	LA-Upland	41.82	85.73	3.46
11047	LA-Upland	42.03	85.74	3.46
11048	LA-Upland	42.01	85.75	3.46
11049	LA-Upland	41.22	85.76	1.44
11050	LA-Upland	41.02	85.77	1.44
11051	LA-Upland	41.45	85.78	1.44
11052	LA-Upland	42.10	85.80	1.44
11053	LA-Upland	42.02	85.81	1.44
11054	LA-Upland	44.07	85.82	1.44
11055	LA-Upland	45.03	85.83	1.44
11056	LA-Upland	45.48	85.84	1.44
11057	LA-Upland	46.18	85.86	0.63
11058	LA-Upland	46.50	85.87	0.63
11059	LA-Upland	46.75	85.88	0.63
11060	LA-Upland	47.25	85.90	0.63
11061	LA-Upland	47.52	85.91	0.63
11062	LA-Upland	47.96	85.92	0.63
11063	LA-Upland	48.31	85.93	0.63
11064	LA-Upland	48.54	85.95	0.63
11065	LA-Upland	48.60	85.96	0.97
11066	LA-Upland	48.71	85.97	0.97
11067	LA-Upland	48.99	85.97	0.97
11068	LA-Upland	50.44	86.00	0.97
11069	LA-Upland	51.42	86.02	0.97
11070	LA-Upland	52.81	86.03	0.97
11071	LA-Upland	53.98	86.05	0.97
11072	LA-Upland	53.92	86.06	2.02
11073	LA-Upland	54.53	86.08	2.02
11074	LA-Upland	54.79	86.09	2.02
11075	LA-Upland	54.59	86.11	2.02
11076	LA-Upland	55.19	86.12	2.02

Page 145 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
12233	LA-Upland	65.33	88.47	1.88
12234	LA-Upland	65.22	88.48	1.88
12235	LA-Upland	65.18	88.50	1.88
12236	LA-Upland	64.71	88.52	1.88
12237	LA-Upland	63.78	88.54	1.88
12238	LA-Upland	63.42	88.55	1.44
12239	LA-Upland	63.98	88.57	1.44
12240	LA-Upland	64.60	88.59	1.44
12241	LA-Upland	65.52	88.61	1.44
12242	LA-Upland	66.44	88.63	1.44
12243	LA-Upland	67.05	88.64	1.44
12244	LA-Upland	67.71	88.66	0.54
12245	LA-Upland	68.23	88.68	0.54
12246	LA-Upland	68.37	88.70	0.54
12247	LA-Upland	67.92	88.72	0.54
12248	LA-Upland	67.46	88.74	0.54
12249	LA-Upland	67.11	88.76	-0.67
12250	LA-Upland	66.44	88.77	-0.67
12251	LA-Upland	65.18	88.79	-0.67
12252	LA-Upland	64.36	88.81	-0.67
12253	LA-Upland	64.63	88.82	-0.67
12254	LA-Upland	65.17	88.85	-0.67
12255	LA-Upland	65.95	88.86	0.77
12256	LA-Upland	66.82	88.88	0.77
12257	LA-Upland	67.62	88.90	0.77
12258	LA-Upland	68.22	88.92	0.77
12259	LA-Upland	68.52	88.94	0.77
12260	LA-Upland	68.71	88.96	1.79
12261	LA-Upland	68.94	88.98	1.79
12262	LA-Upland	69.17	88.99	1.79
12263	LA-Upland	69.50	89.01	1.79
12264	LA-Upland	69.74	89.03	1.79
12265	LA-Upland	70.05	89.05	1.17
12266	LA-Upland	70.58	89.07	1.17
12267	LA-Upland	71.20	89.09	1.17
12268	LA-Upland	71.82	89.11	1.17
12269	LA-Upland	72.47	89.13	1.17
12270	LA-Upland	72.95	89.15	1.05
12271	LA-Upland	73.32	89.17	1.05
12272	LA-Upland	73.55	89.19	1.05
12273	LA-Upland	73.81	89.21	1.05
12274	LA-Upland	73.87	89.23	1.05
12275	LA-Upland	74.03	89.25	0.91
12276	LA-Upland	74.04	89.27	0.91
12277	LA-Upland	73.12	89.29	0.91
12278	LA-Upland	71.72	89.31	0.91
12279	LA-Upland	70.55	89.33	0.91
12280	LA-Upland	69.36	89.35	0.07
12281	LA-Upland	67.95	89.37	1.07
12282	LA-Upland	66.02	89.39	1.07
12283	LA-Upland	64.59	89.41	1.07
12284	LA-Upland	63.54	89.42	1.07
12285	LA-Upland	63.64	89.44	1.07
12286	LA-Upland	64.10	89.46	1.81
12287	LA-Upland	64.72	89.48	1.81
12288	LA-Upland	65.49	89.49	1.81
12289	LA-Upland	66.24	89.51	1.81
12290	LA-Upland	67.09	89.53	1.81
12291	LA-Upland	67.46	89.55	1.81
12292	LA-Upland	66.74	89.57	1.53
12293	LA-Upland	65.39	89.59	1.53
12294	LA-Upland	64.95	89.60	1.53
12295	LA-Upland	65.14	89.62	1.53
12296	LA-Upland	65.65	89.64	1.53
12297	LA-Upland	66.05	89.66	2.16
12298	LA-Upland	66.49	89.68	2.16
12299	LA-Upland	67.00	89.69	2.16
12300	LA-Upland	67.23	89.71	2.16
12301	LA-Upland	67.39	89.73	2.16
12302	LA-Upland	67.23	89.75	2.16
12303	LA-Upland	67.28	89.77	2.09
12304	LA-Upland	67.60	89.79	2.09
12305	LA-Upland	68.01	89.81	2.09
12306	LA-Upland	68.44	89.82	2.09
12307	LA-Upland	68.82	89.84	1.89
12308	LA-Upland	69.00	89.86	1.24
12309	LA-Upland	69.31	89.88	1.24
12310	LA-Upland	69.70	89.90	1.24

Page 147 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
13389	LA-Upland	56.60	91.41	1.58
13390	LA-Upland	56.73	91.43	1.58
13391	LA-Upland	57.36	91.44	1.58
13392	LA-Upland	58.00	91.46	3.44
13393	LA-Upland	58.35	91.47	3.44
13394	LA-Upland	58.58	91.49	3.44
13395	LA-Upland	58.57	91.51	3.44
13396	LA-Upland	58.55	91.52	3.44
13397	LA-Upland	58.73	91.54	3.44
13398	LA-Upland	58.95	91.55	1.89
13399	LA-Upland	59.49	91.57	1.89
13400	LA-Upland	60.05	91.59	1.89
13401	LA-Upland	61.00	91.60	1.89
13402	LA-Upland	61.70	91.62	1.89
13403	LA-Upland	62.17	91.64	1.89
13404	LA-Upland	62.45	91.66	1.60
13405	LA-Upland	62.75	91.67	1.60
13406	LA-Upland	62.98	91.69	1.60
13407	LA-Upland	63.05	91.71	1.60
13408	LA-Upland	63.50	91.72	1.60
13409	LA-Upland	64.01	91.74	1.60
13410	LA-Upland	64.74	91.76	1.46
13411	LA-Upland	65.39	91.78	1.46
13412	LA-Upland	66.03	91.80	1.46
13413	LA-Upland	66.57	91.81	1.46
13414	LA-Upland	66.89	91.83	1.46
13415	LA-Upland	66.97	91.85	1.35
13416	LA-Upland	67.09	91.87	1.35
13417	LA-Upland	67.03	91.89	1.35
13418	LA-Upland	67.31	91.91	1.35
13419	LA-Upland	67.56	91.93	1.35
13420	LA-Upland	67.63	91.94	1.35
13421	LA-Upland	67.75	91.96	0.83
13422	LA-Upland	68.07	91.98	0.83
13423	LA-Upland	68.63	92.00	0.83
13424	LA-Upland	69.19	92.02	0.83
13425	LA-Upland	69.57	92.04	0.83
13426	LA-Upland	69.91	92.06	4.10
13427	LA-Upland	70.14	92.08	4.10
13428	LA-Upland	70.39	92.10	4.10
13429	LA-Upland	70.56	92.12	4.10
13430	LA-Upland	70.71	92.13	4.10
13431	LA-Upland	70.92	92.15	1.35
13432	LA-Upland	71.20	92.17	1.35
13433	LA-Upland	71.31	92.19	1.35
13434	LA-Upland	71.17	92.21	1.35
13435	LA-Upland	70.98	92.23	1.35
13436	LA-Upland	71.15	92.25	2.23
13437	LA-Upland	71.38	92.27	0.23
13438	LA-Upland	71.64	92.29	0.23
13439	LA-Upland	71.96	92.31	0.23
13440	LA-Upland	72.24	92.33	0.23
13441	LA-Upland	72.40	92.35	0.26
13442	LA-Upland	72.67	92.37	0.26
13443	LA-Upland	72.98	92.39	0.26
13444	LA-Upland	73.37	92.41	0.26
13445	LA-Upland	73.67	92.43	0.26
13446	LA-Upland	73.72	92.45	0.37
13447	LA-Upland	73.58	92.47	0.37
13448	LA-Upland	73.57	92.49	0.37
13449	LA-Upland	73.62	92.51	0.37
13450	LA-Upland	73.91	92.53	0.37
13451	LA-Upland	74.14	92.55	-0.54
13452	LA-Upland	74.33	92.57	-0.54
13453	LA-Upland	74.74	92.59	-0.54
13454	LA-Upland	74.98	92.61	-0.54
13455	LA-Upland	74.78	92.64	-0.54
13456	LA-Upland	73.96	92.66	-0.47
13457	LA-Upland	73.01	92.68	-0.47
13458	LA-Upland	72.29	92.70	-0.47
13459	LA-Upland	72.45	92.72	-0.47
13460	LA-Upland	71.98	92.74	-0.47
13461	LA-Upland	71.45	92.75	-0.52
13462	LA-Upland	71.26	92.77	-0.52
13463	LA-Upland	71.20	92.79	-0.52
13464	LA-Upland	70.80	92.81	-0.52
13465	LA-Upland	70.38	92.83	-0.52
13466	LA-Upland	69.61	92.85	-0.38

Page 146 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
13311	LA-Upland	70.27	89.92	1.24
13312	LA-Upland	70.98	89.94	-1.24
13313	LA-Upland	71.54	89.96	-1.56
13314	LA-Upland	71.04	89.98	-0.56
13315	LA-Upland	69.88	90.00	-0.56
13316	LA-Upland	68.85	90.02	-0.56
13317	LA-Upland	67.54	90.04	-0.56
13318	LA-Upland	68.06	90.05	-0.45
13319	LA-Upland	68.42	90.07	-0.45
13320	LA-Upland	68.95	90.09	-0.45
13321	LA-Upland	69.27	90.11	-0.45
13322	LA-Upland	69.64	90.13	-0.45
13323	LA-Upland	70.11	90.15	-0.45
13324	LA-Upland	70.36	90.17	0.89
13325	LA-Upland	70.62	90.19	0.89
13326	LA-Upland	70.88	90.21	0.89
13327	LA-Upland	70.82	90.23	0.89
13328	LA-Upland	70.53	90.25	0.89
13329	LA-Upland	70.28	90.27	1.07
13330	LA-Upland	70.07	90.28	1.07
13331	LA-Upland	68.59	90.30	1.07
13332	LA-Upland	68.00	90.32	1.07
13333	LA-Upland	67.01	90.34	1.07
13334	LA-Upland	66.53	90.36	1.00
13335	LA-Upland	67.29	90.38	1.00
13336	LA-Upland	67.97	90.40	1.00
13337	LA-Upland	68.78	90.42	1.00
13338	LA-Upland	69.61	90.43	1.00
13339	LA-Upland	70.43	90.45	0.86
13340	LA-Upland	71.08	90.47	0.86
13341	LA-Upland	71.46	90.49	0.86
13342	LA-Upland	71.54	90.51	0.86
13343	LA-Upland	71.28	90.53	0.86
13344	LA-Upland	71.35	90.55	-0.56
13345	LA-Upland	71.55	90.57	-0.56
13346	LA-Upland	72.34	90.59	-0.56
13347	LA-Upland	72.96	90.61	-0.56
13348	LA-Upland	73.51	90.63	-0.56
13349	LA-Upland	73.73	90.65	-2.44
13350	LA-Upland	74.21	90.67	-2.44
13351	LA-Upland	74.66	90.69	-2.44
13352	LA-Upland	75.12	90.71	-2.44
13353	LA-Upland	75.36	90.73	-2.44
13354	LA-Upland	75.47	90.76	-2.89
13355	LA-Upland	75.28	90.78	-2.89
13356	LA-Upland	74.77	90.80	-2.89
13357	LA-Upland	74.59	90.82	-2.89
13358	LA-Upland	75.12	90.84	-2.89
13359	LA-Upland	75.16	90.86	-2.89
13360	LA-Upland	74.64	90.88	-2.85
13361	LA-Upland	74.36	90.90	-2.85
13362	LA-Upland	74.45	90.92	-2.85
13363	LA-Upland	74.68	90.94	-2.85
13364	LA-Upland	74.13	90.96	-2.95
13365	LA-Upland	73.60	90.98	-2.95
13366	LA-Upland	73.25	91.00	-2.95
13367	LA-Upland	72.75	91.02	-2.95
13368	LA-Upland	72.06	91.04	-2.95
13369	LA-Upland	71.32	91.06	-2.33
13370	LA-Upland	70.07	91.08	-2.33
13371	LA-Upland	69.13	91.10	-2.33
13372	LA-Upland	67.92	91.12	-2.33
13373	LA-Upland	66.87	91.14	-2.33
13374	LA-Upland	65.75	91.15	0.56
13375	LA-Upland	64.65	91.17	0.56
13376	LA-Upland	63.44	91.19	0.56
13377	LA-Upland	62.74	91.21	0.56
13378	LA-Upland	62.61	91.22	0.56
13379	LA-Upland	62.71	91.24	0.56
13380	LA-Upland	63.21	91.26	0.56
13381	LA-Upland	63.77	91.28	0.34
13382	LA-Upland	63.81	91.29	0.34
13383	LA-Upland	64.01	91.31	0.34
13384	LA-Upland	63.77	91.33	0.34
13385	LA-Upland	62.91	91.35	0.34
13386	LA-Upland	62.32	91.36	1.58
13387	LA-Upland	59.64	91.38	1.58
13388	LA-Upland	57.83	91.39	1.58

Page 149 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
15545	LA-Upland	66.44	94.32	-1.47
15546	LA-Upland	66.08	94.34	-1.47
15547	LA-Upland	65.68	94.36	-1.87
15548	LA-Upland	65.32	94.37	-1.87
15549	LA-Upland	64.93	94.39	-1.87
15550	LA-Upland	64.53	94.41	-1.87
15551	LA-Upland	64.13	94.43	-1.87
15552	LA-Upland	63.70	94.44	-1.87
15553	LA-Upland	63.62	94.46	-1.78
15554	LA-Upland	63.77	94.48	-1.78
15555	LA-Upland	63.98	94.50	-1.78
15556	LA-Upland	64.44	94.51	-1.78
15557	LA-Upland	65.04	94.53	-1.78
15558	LA-Upland	65.55	94.55	-1.34
15559	LA-Upland	65.93	94.57	-1.34
15560	LA-Upland	66.01	94.59	-1.34
15561	LA-Upland	66.24	94.60	-1.34
15562	LA-Upland	66.69	94.62	-1.34
15563	LA-Upland	67.17	94.64	-1.34
15564	LA-Upland	67.49	94.66	-1.55
15565	LA-Upland	67.89	94.68	-1.55
15566	LA-Upland	67.84	94.70	-1.55
15567	LA-Upland	68.01	94.72	-1.55
15568	LA-Upland	68.07	94.73	-1.55
15569	LA-Upland	68.18	94.75	-1.56
15570	LA-Upland	68.23	94.77	-1.56
15571	LA-Upland	68.43	94.79	-1.56
15572	LA-Upland	68.73	94.81	-1.56
15573	LA-Upland	68.89	94.83	-1.56
15574	LA-Upland	68.91	94.85	-1.56
15575	LA-Upland	68.84	94.87	-1.60
15576	LA-Upland	68.21	94.89	-1.60
15577	LA-Upland	67.66	94.90	-1.60
15578	LA-Upland	67.06	94.92	-1.60
15579	LA-Upland	66.59	94.94	-1.60
15580	LA-Upland	66.06	94.96	-1.61
15581	LA-Upland	65.50	94.98	-1.61
15582	LA-Upland	64.94	94.99	-1.61
15583	LA-Upland	64.81	95.01	-1.61
15584	LA-Upland	64.88	95.03	-1.61
15585	LA-Upland	64.89	95.05	-1.61
15586	LA-Upland	64.69	95.07	-2.34
15587	LA-Upland	64.54	95.08	-2.34
15588	LA-Upland	64.59	95.10	-2.34
15589	LA-Upland	65.20	95.12	-2.34
15590	LA-Upland	65.72	95.14	-2.34
15591	LA-Upland	66.37	95.16	-0.76
15592	LA-Upland	67.01	95.17	-0.76
15593	LA-Upland	67.17	95.19	-0.76
15594	LA-Upland	66.40	95.21	-0.76
15595	LA-Upland	65.73	95.23	-0.76
15596	LA-Upland	65.02	95.25	-0.76
15597	LA-Upland	64.22	95.26	0.91
15598	LA-Upland	63.46	95.28	0.91
15599	LA-Upland	62.83	95.30	0.91
15600	LA-Upland	61.43	95.32	0.91
15601	LA-Upland	59.31	95.33	0.91
15602	LA-Upland	56.77	95.35	0.91
15603	LA-Upland	54.44	95.36	-0.34
15604	LA-Upland	52.83	95.38	-0.34
15605	LA-Upland	52.48	95.39	-0.34
15606	LA-Upland	53.09	95.41	-0.34
15607	LA-Upland	53.85	95.42	-0.34
15608	LA-Upland	53.77	95.44	-0.34
15609	LA-Upland	52.97	95.45	-0.43
15610	LA-Upland	49.48	95.46	-0.43
15611	LA-Upland	41.47	95.48	-0.43
15612	LA-Upland	32.53	95.48	-0.43
15613	LA-Upland	23.14	95.49	-0.43
15614	LA-Upland	14.87	95.50	-0.43
15615	LA-Upland	9.28	95.50	-0.43
15616	LA-Upland	5.65	95.50	-0.43
15617	LA-Upland	4.02	95.50	-0.43
15618	LA-Upland	2.67	95.50	-0.43
15619	LA-Upland	1.29	95.50	-0.43
15620	LA-Upland	0.00	95.50	-0.43
15621	LA-Upland	0.00	95.50	-0.43
15622	LA-Upland	0.00	95.50	-0.43

Page 151 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
17701	LA-Upland	69.76	96.50	-0.15
17702	LA-Upland	69.26	96.52	-0.15
17703	LA-Upland	68.83	96.54	-0.15
17704	LA-Upland	69.41	96.55	-1.96
17705	LA-Upland	69.89	96.57	-1.96
17706	LA-Upland	70.17	96.59	-1.96
17707	LA-Upland	70.51	96.61	-1.96
17708	LA-Upland	70.78	96.63	-1.96
17709	LA-Upland	70.91	96.65	0.59
17710	LA-Upland	70.83	96.67	0.59
17711	LA-Upland	70.90	96.69	0.59
17712	LA-Upland	70.36	96.71	0.59
17713	LA-Upland	69.68	96.73	0.59
17714	LA-Upland	69.89	96.75	0.59
17715	LA-Upland	70.22	96.77	-0.94
17716	LA-Upland	70.54	96.79	-0.94
17717	LA-Upland	70.89	96.81	-0.94
17718	LA-Upland	70.97	96.83	-0.94
17719	LA-Upland	70.57	96.85	-0.94
17720	LA-Upland	69.65	96.86	-0.66
17721	LA-Upland	69.14	96.88	-0.66
17722	LA-Upland	69.32	96.90	-0.66
17723	LA-Upland	69.43	96.92	-0.66
17724	LA-Upland	69.60	96.94	-0.66
17725	LA-Upland	69.71	96.96	-0.67
17726	LA-Upland	69.93	96.98	-0.67
17727	LA-Upland	69.87	97.00	-0.67
17728	LA-Upland	69.64	97.02	-0.67
17729	LA-Upland	69.30	97.04	-0.67
17730	LA-Upland	68.69	97.06	-0.38
17731	LA-Upland	67.80	97.07	-0.38
17732	LA-Upland	66.93	97.09	-0.38
17733	LA-Upland	66.06	97.11	-0.38
17734	LA-Upland	65.24	97.13	-0.38
17735	LA-Upland	64.86	97.15	-0.38
17736	LA-Upland	64.84	97.16	-0.05
17737	LA-Upland	64.87	97.18	-0.05
17738	LA-Upland	64.94	97.20	-0.05
17739	LA-Upland	64.96	97.22	-0.05
17740	LA-Upland	65.02	97.24	-0.05
17741	LA-Upland	65.22	97.25	0.07
17742	LA-Upland	65.66	97.27	0.07
17743	LA-Upland	66.08	97.29	0.07
17744	LA-Upland	66.56	97.31	0.07
17745	LA-Upland	66.89	97.33	0.07
17746	LA-Upland	66.95	97.34	0.07
17747	LA-Upland	66.35	97.36	0.35
17748	LA-Upland	65.43	97.38	0.35
17749	LA-Upland	64.54	97.40	0.35
17750	LA-Upland	64.46	97.42	0.35
17751	LA-Upland	64.54	97.43	0.35
17752	LA-Upland	64.79	97.45	0.37
17753	LA-Upland	65.34	97.47	0.37
17754	LA-Upland	65.97	97.49	0.37
17755	LA-Upland	66.61	97.51	0.37
17756	LA-Upland	66.90	97.53	0.37
17757	LA-Upland	67.22	97.54	0.37
17758	LA-Upland	66.73	97.56	0.24
17759	LA-Upland	65.71	97.58	0.24
17760	LA-Upland	64.57	97.60	0.24
17761	LA-Upland	63.54	97.62	0.24
17762	LA-Upland	62.59	97.63	0.24
17763	LA-Upland	62.57	97.65	0.24
17764	LA-Upland	63.31	97.67	1.28
17765	LA-Upland	64.13	97.68	1.28
17766	LA-Upland	64.95	97.70	1.28
17767	LA-Upland	65.57	97.72	1.28
17768	LA-Upland	65.06	97.74	1.28
17769	LA-Upland	64.81	97.76	-3.86
17770	LA-Upland	65.18	97.77	-3.86
17771	LA-Upland	65.44	97.79	-3.86
17772	LA-Upland	65.58	97.81	-3.86
17773	LA-Upland	65.49	97.83	-3.86
17774	LA-Upland	65.25	97.85	-3.86
17775	LA-Upland	64.47	97.86	-1.67
17776	LA-Upland	64.29	97.88	-1.67
17777	LA-Upland	64.69	97.90	-1.67
17778	LA-Upland	65.07	97.92	-1.67

Page 150 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
11623	LA-Upland	0.56	95.50	-0.43
11624	LA-Upland	3.35	95.50	-0.43
11625	LA-Upland	7.94	95.50	-0.43
11626	LA-Upland	9.57	95.51	-0.43
11627	LA-Upland	10.53	95.51	-0.43
11628	LA-Upland	13.51	95.51	-0.43
11629	LA-Upland	16.78	95.52	-0.43
11630	LA-Upland	20.09	95.52	-0.43
11631	LA-Upland	23.11	95.53	-0.43
11632	LA-Upland	24.88	95.54	-0.43
11633	LA-Upland	24.66	95.54	-0.43
11634	LA-Upland	24.09	95.55	-1.81
11635	LA-Upland	23.54	95.56	-1.81
11636	LA-Upland	24.52	95.56	-1.81
11637	LA-Upland	26.06	95.57	-1.81
11638	LA-Upland	27.37	95.58	-1.81
11639	LA-Upland	28.65	95.59	-1.81
11640	LA-Upland	30.14	95.59	-1.81
11641	LA-Upland	31.60	95.60	-1.81
11642	LA-Upland	33.31	95.61	-1.81
11643	LA-Upland	24.88	95.62	-1.81
11644	LA-Upland	36.07	95.63	-1.81
11645	LA-Upland	36.92	95.64	-1.81
11646	LA-Upland	37.29	95.65	-1.02
11647	LA-Upland	38.21	95.66	1.02
11648	LA-Upland	39.20	95.67	1.02
11649	LA-Upland	40.54	95.69	1.02
11650	LA-Upland	42.12	95.70	1.02
11651	LA-Upland	43.96	95.71	1.02
11652	LA-Upland	46.02	95.72	1.02
11653	LA-Upland	48.06	95.73	1.02
11654	LA-Upland	49.96	95.75	1.02
11655	LA-Upland	51.47	95.76	-0.41
11656	LA-Upland	52.73	95.78	-0.41
11657	LA-Upland	53.78	95.79	-0.41
11658	LA-Upland	54.78	95.81	-0.41
11659	LA-Upland	55.70	95.82	-0.41
11660	LA-Upland	56.70	95.84	-0.41
11661	LA-Upland	57.49	95.85	-0.46
11662	LA-Upland	58.01	95.87	-0.46
11663	LA-Upland	57.67	95.89	-0.46
11664	LA-Upland	57.50	95.90	-0.46
11665	LA-Upland	56.46	95.92	-0.46
11666	LA-Upland	55.27	95.93	-0.46
11667	LA-Upland	53.17	95.95	-0.46
11668	LA-Upland	50.96	95.96	-0.51
11669	LA-Upland	49.13	95.97	-0.51
11670	LA-Upland	48.36	95.99	-0.51
11671	LA-Upland	48.28	96.00	-0.51
11672	LA-Upland	49.14	96.01	-0.51
11673	LA-Upland	50.20	96.03	-0.51
11674	LA-Upland	51.37	96.04	-0.51
11675	LA-Upland	52.44	96.06	-0.58
11676	LA-Upland	53.59	96.07	-0.58
11677	LA-Upland	54.49	96.09	-0.58
11678	LA-Upland	54.92	96.10	-0.58
11679	LA-Upland	55.21	96.12	-0.58
11680	LA-Upland	55.81	96.13	-0.58
11681	LA-Upland	56.42	96.15	-0.58
11682	LA-Upland	57.23	96.16	-0.47
11683	LA-Upland	57.94	96.18	-0.47
11684	LA-Upland	58.74	96.19	-0.47
11685	LA-Upland	59.72	96.21	-0.47
11686	LA-Upland	60.66	96.23	-0.47
11687	LA-Upland	61.36	96.24	-0.47
11688	LA-Upland	61.98	96.26	-0.47
11689	LA-Upland	62.75	96.28	-0.87
11690	LA-Upland	63.64	96.30	-0.87
11691	LA-Upland	64.45	96.31	-0.87
11692	LA-Upland	64.18	96.33	-0.87

Page 153 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
11857	LA-Upland	68.63	99.30	-1.58
11858	LA-Upland	68.42	99.32	-1.58
11859	LA-Upland	68.00	99.34	-1.58
11860	LA-Upland	67.59	99.36	2.32
11861	LA-Upland	66.82	99.38	2.32
11862	LA-Upland	66.98	99.40	2.32
11863	LA-Upland	66.21	99.41	2.32
11864	LA-Upland	65.24	99.43	2.32
11865	LA-Upland	64.32	99.45	2.32
11866	LA-Upland	63.66	99.47	0.85
11867	LA-Upland	62.87	99.48	0.85
11868	LA-Upland	62.35	99.50	0.85
11869	LA-Upland	61.92	99.52	0.85
11870	LA-Upland	61.56	99.54	0.85
11871	LA-Upland	60.97	99.55	1.21
11872	LA-Upland	60.84	99.57	1.21
11873	LA-Upland	61.16	99.59	1.21
11874	LA-Upland	61.60	99.60	1.21
11875	LA-Upland	62.30	99.62	1.21
11876	LA-Upland	63.07	99.64	1.21
11877	LA-Upland	62.74	99.65	-1.13
11878	LA-Upland	64.20	99.67	-1.13
11879	LA-Upland	64.24	99.69	-1.13
11880	LA-Upland	63.50	99.71	-1.13
11881	LA-Upland	63.01	99.72	-1.13
11882	LA-Upland	63.57	99.74	-1.13
11883	LA-Upland	64.30	99.76	0.24
11884	LA-Upland	65.04	99.78	0.24
11885	LA-Upland	65.49	99.80	0.24
11886	LA-Upland	65.87	99.81	0.24
11887	LA-Upland	66.00	99.83	0.24
11888	LA-Upland	65.44	99.85	0.24
11889	LA-Upland	64.87	99.87	-1.83
11890	LA-Upland	64.22	99.89	-1.83
11891	LA-Upland	63.63	99.90	-1.83
11892	LA-Upland	64.01	99.92	-1.83
11893	LA-Upland	64.98	99.94	-1.83
11894	LA-Upland	65.98	99.96	-1.42
11895	LA-Upland	66.98	99.97	-1.42
11896	LA-Upland	67.87	99.99	-1.42
11897	LA-Upland	68.43	100.01	-1.42
11898	LA-Upland	68.69	100.03	-1.42
11899	LA-Upland	68.96	100.05	-1.42
11900	LA-Upland	69.31	100.07	0.26
11901	LA-Upland	68.66	100.09	0.26
11902	LA-Upland	67.26	100.11	0.26
11903	LA-Upland	66.57	100.12	0.26
11904	LA-Upland	66.87	100.14	0.26
11905	LA-Upland	66.49	100.16	0.72
11906	LA-Upland	65.54	100.18	0.72
11907	LA-Upland	65.13	100.20	0.72
11908	LA-Upland	64.61	100.21	0.72
11909	LA-Upland	64.64	100.23	0.72
11910	LA-Upland	64.94	100.25	2.94
11911	LA-Upland	65.52	100.27	2.94
11912	LA-Upland	66.33	100.29	2.94
11913	LA-Upland	67.27	100.31	2.94
11914	LA-Upland	68.05	100.32	2.94
11915	LA-Upland	68.76	100.34	2.94
11916	LA-Upland	69.16	100.36	-0.31
11917	LA-Upland	69.28	100.38	-0.31
11918	LA-Upland	69.34	100.40	-0.31
11919	LA-Upland	68.81	100.42	-0.31
11920	LA-Upland	67.92	100.44	-0.31
11921	LA-Upland	67.58	100.46	-1.98
11922	LA-Upland	67.95	100.47	-1.98
11923	LA-Upland	68.19	100.49	-1.98
11924	LA-Upland	68.50	100.51	-1.98
11925	LA-Upland	68.80	100.53	-1.98
11926	LA-Upland	69.10	100.55	-2.32
11927	LA-Upland	69.31	100.57	-2.32
11928	LA-Upland	69.26	100.59	-2.32
11929	LA-Upland	68.80	100.61	-2.32
11930	LA-Upland	69.08	100.63	-2.32
11931	LA-Upland	69.73	100.65	-2.32
11932	LA-Upland	70.31	100.66	2.64
11933	LA-Upland	70.84	100.68	2.64
11934	LA-Upland	71.54	100.70	2.64

Page 155 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
12013	LA-Upland	73.87	102.33	0.00
12014	LA-Upland	74.37	102.35	1.52
12015	LA-Upland	74.75	102.37	1.52
12016	LA-Upland	74.88	102.40	1.52
12017	LA-Upland	75.11	102.42	1.52
12018	LA-Upland	75.04	102.44	1.52
12019	LA-Upland	74.94	102.46	0.05
12020	LA-Upland	74.68	102.48	0.05
12021	LA-Upland	74.38	102.50	0.05
12022	LA-Upland	74.27	102.52	0.05
12023	LA-Upland	74.07	102.54	0.05
12024	LA-Upland	74.06	102.56	-0.49
12025	LA-Upland	74.19	102.58	-0.49
12026	LA-Upland	74.34	102.60	-0.49
12027	LA-Upland	74.45	102.62	-0.49
12028	LA-Upland	74.51	102.64	-0.49
12029	LA-Upland	74.71	102.66	0.42
12030	LA-Upland	74.93	102.68	0.42
12031	LA-Upland	75.04	102.70	0.42
12032	LA-Upland	75.22	102.72	0.42
12033	LA-Upland	75.98	102.74	0.42
12034	LA-Upland	75.08	102.76	0.31
12035	LA-Upland	74.88	102.79	0.31
12036	LA-Upland	74.73	102.81	0.31
12037	LA-Upland	74.64	102.83	0.31
12038	LA-Upland	74.49	102.85	0.31
12039	LA-Upland	74.24	102.87	0.23
12040	LA-Upland	73.40	102.89	0.23
12041	LA-Upland	72.40	102.91	0.23
12042	LA-Upland	72.36	102.93	0.23
12043	LA-Upland	72.49	102.95	0.23
12044	LA-Upland	72.67	102.97	0.24
12045	LA-Upland	72.99	102.99	0.24
12046	LA-Upland	73.24	103.01	0.24
12047	LA-Upland	73.30	103.03	0.24
12048	LA-Upland	73.02	103.05	0.24
12049	LA-Upland	72.07	103.07	-0.33
12050	LA-Upland	71.57	103.09	-0.33
12051	LA-Upland	71.50	103.11	-0.33
12052	LA-Upland	71.21	103.13	-0.33
12053	LA-Upland	71.07	103.15	-0.33
12054	LA-Upland	70.82	103.17	0.79
12055	LA-Upland	70.61	103.18	0.79
12056	LA-Upland	70.41	103.20	0.79
12057	LA-Upland	70.33	103.22	0.79
12058	LA-Upland	69.97	103.24	0.79
12059	LA-Upland	69.94	103.26	1.34
12060	LA-Upland	69.99	103.28	1.34
12061	LA-Upland	70.07	103.30	1.34
12062	LA-Upland	70.16	103.32	1.34
12063	LA-Upland	70.31	103.34	1.34
12064	LA-Upland	70.50	103.36	-0.04
12065	LA-Upland	70.78	103.38	-0.04
12066	LA-Upland	71.01	103.40	-0.04
12067	LA-Upland	71.21	103.42	-0.04
12068	LA-Upland	71.36	103.44	-0.04
12069	LA-Upland	71.50	103.46	0.20
12070	LA-Upland	71.63	103.48	0.20
12071	LA-Upland	71.84	103.50	0.20
12072	LA-Upland	71.88	103.52	0.20
12073	LA-Upland	71.95	103.54	0.20
12074	LA-Upland	72.02	103.55	0.44
12075	LA-Upland	71.96	103.57	0.44
12076	LA-Upland	71.98	103.59	0.44
12077	LA-Upland	71.93	103.61	0.44
12078	LA-Upland	71.89	103.63	0.44
12079	LA-Upland	71.83	103.65	0.60
12080	LA-Upland	71.69	103.67	0.60
12081	LA-Upland	71.66	103.69	0.60
12082	LA-Upland	71.56	103.71	0.60
12083	LA-Upland	71.51	103.73	0.60
12084	LA-Upland	71.49	103.75	0.92
12085	LA-Upland	71.52	103.77	0.92
12086	LA-Upland	71.49	103.79	0.92
12087	LA-Upland	71.47	103.81	0.92
12088	LA-Upland	71.56	103.83	0.92
12089	LA-Upland	71.78	103.85	1.01
12090	LA-Upland	72.12	103.87	1.01

Page 154 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
11935	LA-Upland	70.74	100.72	2.64
11936	LA-Upland	70.25	100.74	2.64
11937	LA-Upland	70.50	100.76	0.13
11938	LA-Upland	69.93	100.78	0.13
11939	LA-Upland	69.17	100.80	0.13
11940	LA-Upland	67.26	100.82	0.13
11941	LA-Upland	64.78	100.84	0.13
11942	LA-Upland	62.30	100.85	0.06
11943	LA-Upland	61.53	100.87	0.06
11944	LA-Upland	61.91	100.89	0.06
11945	LA-Upland	63.41	100.91	0.06
11946	LA-Upland	66.42	100.92	0.06
11947	LA-Upland	68.73	100.94	0.06
11948	LA-Upland	70.73	100.96	0.05
11949	LA-Upland	72.00	100.98	0.05
11950	LA-Upland	73.02	101.00	0.05
11951	LA-Upland	73.87	101.02	0.05
11952	LA-Upland	74.52	101.04	0.05
11953	LA-Upland	75.14	101.06	0.41
11954	LA-Upland	75.71	101.08	0.41
11955	LA-Upland	76.31	101.10	0.41
11956	LA-Upland	76.82	101.13	0.41
11957	LA-Upland	77.01	101.15	0.41
11958	LA-Upland	76.93	101.17	0.96
11959	LA-Upland	76.78	101.19	0.96
11960	LA-Upland	76.64	101.21	0.96
11961	LA-Upland	76.73	101.23	0.96
11962	LA-Upland	76.94	101.25	2.01
11963	LA-Upland	77.22	101.27	2.01
11964	LA-Upland	77.56	101.30	2.01
11965	LA-Upland	77.83	101.32	2.01
11966	LA-Upland	78.02	101.34	2.01
11967	LA-Upland	78.07	101.36	-0.59
11968	LA-Upland	78.17	101.38	-0.59
11969	LA-Upland	78.23	101.40	-0.59
11970	LA-Upland	78.35	101.42	-0.59
11971	LA-Upland	78.45	101.45	-0.59
11972	LA-Upland	78.62	101.47	-0.24
11973	LA-Upland	78.89	101.49	-0.24
11974	LA-Upland	79.04	101.51	-0.24
11975	LA-Upland	79.27	101.53	-0.24
11976	LA-Upland	79.45	101.55	-0.34
11977	LA-Upland	79.45	101.58	-0.34
11978	LA-Upland	79.62	101.60	-0.34
11979	LA-Upland	79.56	101.69	-0.34
11980	LA-Upland	79.48	101.64	-0.34
11981	LA-Upland	79.33	101.66	0.54
11982	LA-Upland	79.20	101.69	0.54
11983	LA-Upland	78.96	101.71	0.54
11984	LA-Upland	78.77	101.73	0.54
11985	LA-Upland	78.62	101.75	1.12
11986	LA-Upland	78.50	101.77	1.12
11987	LA-Upland	78.57	101.79	1.12
11988	LA-Upland	78.65	101.82	1.12
11989	LA-Upland	78.68	101.84	1.12
11990	LA-Upland	78.77	101.86	0.04
11991	LA-Upland	78.74	101.88	0.04
11992	LA-Upland	78.68	101.90	0.04
11993	LA-Upland	78.62	101.92	0.04
11994	LA-Upland	78.02	101.94	0.04
11995	LA-Upland	77.57	101.97	1.07
11996	LA-Upland	77.08	101.99	1.07
11997	LA-Upland	76.68	102.01	1.07
11998	LA-Upland	76.32	102.03	1.07
11999	LA-Upland	75.99	102.05	0.57
12000	LA-Upland	75.20	102.07	0.57
12001	LA-Upland	73.86	102.09	0.57
12002	LA-Upland	73.36	102.11	0.57
12003	LA-Upland	73.31	102.13	0.57
12004	LA-Upland	73.67	102.15	0.57
12005	LA-Upland	73.94	102.17	0.29
12006	LA-Upland	74.37	102.19	0.29
12007	LA-Upland	73.97	102.21	0.29
12008	LA-Upland	73.15	102.23	0.29
12009	LA-Upland	72.62	102.25	0.00
12010	LA-Upland	72.58	102.27	0.00
12011	LA-Upland	73.02	102.29	0.00
12012	LA-Upland	73.39	102.31	0.00

Page 157 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
12169	LA-Upland	53.27	105.15	0.55
12170	LA-Upland	53.54	105.17	0.55
12171	LA-Upland	53.97	105.18	0.55
12172	LA-Upland	54.53	105.20	0.55
12173	LA-Upland	55.31	105.21	0.55
12174	LA-Upland	56.22	105.23	0.55
12175	LA-Upland	56.94	105.24	0.55
12176	LA-Upland	57.61	105.26	1.17
12177	LA-Upland	58.38	105.27	1.17
12178	LA-Upland	58.82	105.29	1.17
12179	LA-Upland	58.15	105.31	1.17
12180	LA-Upland	57.94	105.32	1.17
12181	LA-Upland	58.62	105.34	1.17
12182	LA-Upland	59.36	105.36	1.17
12183	LA-Upland	60.08	105.37	1.17
12184	LA-Upland	60.87	105.39	1.17
12185	LA-Upland	61.55	105.41	1.17
12186	LA-Upland	62.46	105.42	1.17
12187	LA-Upland	63.23	105.44	1.17
12188	LA-Upland	63.97	105.46	0.85
12189	LA-Upland	64.62	105.48	0.85
12190	LA-Upland	64.89	105.49	0.85
12191	LA-Upland	65.04	105.51	0.85
12192	LA-Upland	65.30	105.53	0.85
12193	LA-Upland	65.35	105.55	0.85
12194	LA-Upland	64.48	105.56	0.72
12195	LA-Upland	63.55	105.58	0.72
12196	LA-Upland	62.96	105.60	0.72
12197	LA-Upland	63.21	105.62	0.72
12198	LA-Upland	63.22	105.63	0.72
12199	LA-Upland	63.11	105.65	0.96
12200	LA-Upland	62.83	105.67	0.96
12201	LA-Upland	61.97	105.69	0.96
12202	LA-Upland	61.07	105.70	0.96
12203	LA-Upland	60.06	105.72	0.96
12204	LA-Upland	59.14	105.74	0.96
12205	LA-Upland	58.22	105.75	1.03
12206	LA-Upland	57.91	105.77	1.03
12207	LA-Upland	58.01	105.78	1.03
12208	LA-Upland	58.13	105.80	1.03
12209	LA-Upland	58.21	105.82	1.03
12210	LA-Upland	57.88	105.83	1.03
12211	LA-Upland	56.86	105.85	1.03
12212	LA-Upland	56.10	105.86	1.10
12213	LA-Upland	55.97	105.88	1.10
12214	LA-Upland	56.26	105.89	1.10
12215	LA-Upland	56.49	105.91	1.10
12216	LA-Upland	56.73	105.92	1.10
12217	LA-Upland	57.36	105.94	1.10
12218	LA-Upland	57.94	105.96	0.45
12219	LA-Upland	58.47	105.97	0.45
12220	LA-Upland	58.06	105.99	0.45
12221	LA-Upland	59.82	106.00	0.45
12222	LA-Upland	60.64	106.02	0.45
12223	LA-Upland	61.37	106.04	0.45
12224	LA-Upland	62.21	106.06	1.08
12225	LA-Upland	62.87	106.07	1.08
12226	LA-Upland	63.22	106.09	1.08
12227	LA-Upland	63.62	106.11	1.08
12228	LA-Upland	64.36	106.13	1.08
12229	LA-Upland	65.09	106.14	1.08
12230	LA-Upland	65.70	106.16	0.24
12231	LA-Upland	65.89	106.18	0.24
12232	LA-Upland	65.10	106.20	0.24
12233	LA-Upland	64.02	106.21	0.24
12234	LA-Upland	61.84	106.23	0.24
12235	LA-Upland	58.82	106.25	0.24
12236	LA-Upland	55.79	106.26	0.68
12237	LA-Upland	51.88	106.28	0.68
12238	LA-Upland	47.55	106.29	0.68
12239	LA-Upland	43.89	106.30	0.68
12240	LA-Upland	41.94	106.31	0.68
12241	LA-Upland	41.46	106.33	0.68
12242	LA-Upland	42.31	106.34	0.68
12243	LA-Upland	43.19	106.35	0.68
12244	LA-Upland	44.01	106.36	0.75
12245	LA-Upland	44.81	106.37	0.75
12246	LA-Upland	45.92	106.39	0.75

Page 159 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
12325	LA-Upland	69.05	107.68	1.80
12326	LA-Upland	69.32	107.70	1.80
12327	LA-Upland	69.47	107.72	1.80
12328	LA-Upland	69.32	107.73	1.80
12329	LA-Upland	68.99	107.75	-0.37
12330	LA-Upland	68.10	107.77	-0.37
12331	LA-Upland	67.14	107.79	-0.37
12332	LA-Upland	66.96	107.81	-0.37
12333	LA-Upland	66.87	107.83	-0.37
12334	LA-Upland	67.13	107.85	-0.37
12335	LA-Upland	67.78	107.86	-0.51
12336	LA-Upland	68.51	107.88	-0.51
12337	LA-Upland	68.75	107.90	-0.51
12338	LA-Upland	68.61	107.92	-0.51
12339	LA-Upland	68.22	107.94	-0.51
12340	LA-Upland	68.00	107.96	0.00
12341	LA-Upland	67.62	107.98	0.00
12342	LA-Upland	67.47	108.00	0.00
12343	LA-Upland	67.12	108.01	0.00
12344	LA-Upland	66.78	108.03	0.00
12345	LA-Upland	66.34	108.05	1.99
12346	LA-Upland	65.77	108.07	1.99
12347	LA-Upland	65.17	108.09	1.99
12348	LA-Upland	64.72	108.10	1.99
12349	LA-Upland	64.18	108.12	1.99
12350	LA-Upland	63.52	108.14	1.99
12351	LA-Upland	62.90	108.16	5.69
12352	LA-Upland	62.85	108.17	5.69
12353	LA-Upland	62.98	108.19	5.69
12354	LA-Upland	63.33	108.21	5.69
12355	LA-Upland	63.95	108.23	5.69
12356	LA-Upland	64.41	108.24	5.69
12357	LA-Upland	64.92	108.26	4.96
12358	LA-Upland	65.56	108.28	4.96
12359	LA-Upland	66.39	108.30	4.96
12360	LA-Upland	67.28	108.32	4.96
12361	LA-Upland	68.52	108.34	4.96
12362	LA-Upland	69.62	108.36	3.06
12363	LA-Upland	70.95	108.37	3.06
12364	LA-Upland	71.89	108.39	3.06
12365	LA-Upland	72.60	108.41	3.06
12366	LA-Upland	73.34	108.43	3.06
12367	LA-Upland	74.05	108.45	1.21
12368	LA-Upland	74.66	108.48	1.21
12369	LA-Upland	75.11	108.50	1.21
12370	LA-Upland	75.65	108.52	1.21
12371	LA-Upland	76.15	108.54	1.21
12372	LA-Upland	76.72	108.56	0.45
12373	LA-Upland	77.27	108.58	0.45
12374	LA-Upland	77.59	108.60	0.45
12375	LA-Upland	77.27	108.62	0.45
12376	LA-Upland	75.96	108.64	0.45
12377	LA-Upland	74.73	108.66	-0.13
12378	LA-Upland	73.41	108.68	-0.13
12379	LA-Upland	72.01	108.70	-0.13
12380	LA-Upland	70.53	108.72	-0.13
12381	LA-Upland	69.73	108.74	-0.13
12382	LA-Upland	68.97	108.76	3.67
12383	LA-Upland	68.57	108.78	3.67
12384	LA-Upland	68.06	108.80	3.67
12385	LA-Upland	67.67	108.82	3.67
12386	LA-Upland	67.61	108.84	3.67
12387	LA-Upland	67.59	108.86	3.47
12388	LA-Upland	67.13	108.87	3.47
12389	LA-Upland	66.65	108.89	3.47
12390	LA-Upland	66.05	108.91	3.47
12391	LA-Upland	65.33	108.93	3.47
12392	LA-Upland	64.32	108.95	3.47
12393	LA-Upland	64.78	108.96	4.65
12394	LA-Upland	65.20	108.98	4.65
12395	LA-Upland	65.47	109.00	4.65
12396	LA-Upland	65.34	109.02	4.65
12397	LA-Upland	65.40	109.04	4.65
12398	LA-Upland	65.80	109.05	3.91
12399	LA-Upland	66.20	109.07	3.91
12400	LA-Upland	66.39	109.09	3.91
12401	LA-Upland	66.53	109.11	3.91
12402	LA-Upland	66.50	109.13	3.91

Page 158 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
12247	LA-Upland	47.17	106.40	0.75
12248	LA-Upland	48.47	106.41	0.75
12249	LA-Upland	49.52	106.43	0.75
12250	LA-Upland	50.63	106.44	0.75
12251	LA-Upland	51.55	106.45	0.61
12252	LA-Upland	52.00	106.47	0.61
12253	LA-Upland	51.46	106.48	0.61
12254	LA-Upland	50.96	106.50	0.61
12255	LA-Upland	51.52	106.51	0.61
12256	LA-Upland	52.23	106.53	0.61
12257	LA-Upland	53.04	106.54	0.13
12258	LA-Upland	53.86	106.55	0.85
12259	LA-Upland	54.23	106.57	0.85
12260	LA-Upland	53.45	106.58	0.85
12261	LA-Upland	53.35	106.60	0.85
12262	LA-Upland	53.91	106.61	0.85
12263	LA-Upland	54.63	106.63	0.85
12264	LA-Upland	55.61	106.64	0.85
12265	LA-Upland	56.36	106.66	1.13
12266	LA-Upland	55.74	106.67	1.13
12267	LA-Upland	54.76	106.69	1.13
12268	LA-Upland	53.84	106.70	1.13
12269	LA-Upland	52.95	106.72	1.13
12270	LA-Upland	52.43	106.73	1.13
12271	LA-Upland	52.71	106.75	1.13
12272	LA-Upland	52.98	106.76	0.79
12273	LA-Upland	53.31	106.78	0.79
12274	LA-Upland	53.55	106.79	0.79
12275	LA-Upland	53.61	106.81	0.79
12276	LA-Upland	53.96	106.82	0.79
12277	LA-Upland	54.96	106.84	0.79
12278	LA-Upland	55.78	106.85	1.18
12279	LA-Upland	56.91	106.87	1.18
12280	LA-Upland	58.01	106.88	1.18
12281	LA-Upland	59.38	106.90	1.18
12282	LA-Upland	60.66	106.92	1.18
12283	LA-Upland	61.73	106.93	1.18
12284	LA-Upland	62.49	106.95	0.35
12285	LA-Upland	63.17	106.97	0.35
12286	LA-Upland	63.05	106.99	0.35
12287	LA-Upland	62.12	107.00	0.35
12288	LA-Upland	62.08	107.02	0.35
12289	LA-Upland	62.64	107.04	0.35
12290	LA-Upland	63.38	107.05	0.03
12291	LA-Upland	64.12	107.07	0.03
12292	LA-Upland	64.98	107.09	0.03
12293	LA-Upland	65.12	107.11	0.03
12294	LA-Upland	64.12	107.13	0.03
12295	LA-Upland	64.68	107.14	0.03
12296	LA-Upland	64.97	107.16	-0.38
12297	LA-Upland	64.86	107.18	-0.38
12298	LA-Upland	64.15	107.20	-0.38
12299	LA-Upland	63.53	107.21	-0.38
12300	LA-Upland	62.75	107.23	-0.38
12301	LA-Upland	62.09	107.25	-0.38
12302	LA-Upland	62.06	107.27	0.65
12303	LA-Upland	61.95	107.28	0.65
12304	LA-Upland	62.34	107.30	0.65
12305	LA-Upland	62.91	107.32	0.65
12306	LA-Upland	63.70	107.33	0.65
12307	LA-Upland	64.53	107.35	0.28
12308	LA-Upland	64.89	107.37	0.28
12309	LA-Upland	64.79	107.39	0.28
12310	LA-Upland	64.00	107.41	0.28
12311	LA-Upland	63.25	107.42	0.28
12312	LA-Upland	62.31	107.44	0.28
12313	LA-Upland	62.49	107.46	-0.12
12314	LA-Upland	63.27	107.47	-0.12
12315	LA-Upland	63.83	107.49	-0.12
12316	LA-Upland	64.88	107.51	-0.12
12317	LA-Upland	66.09	107.53	-0.12
12318	LA-Upland	66.45	107.55	-0.12
12319	LA-Upland	66.62	107.56	0.22
12320	LA-Upland	67.41	107.58	0.22
12321	LA-Upland	67.97	107.60	0.22
12322	LA-Upland	68.62	107.62	0.22
12323	LA-Upland	68.59	107.64	0.22
12324	LA-Upland	69.11	107.66	1.80

Page 161 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
12481	LA-Upland	74.02	110.67	3.39
12482	LA-Upland	74.35	110.69	3.39
12483	LA-Upland	74.36	110.71	3.39
12484	LA-Upland	74.32	110.73	3.39
12485	LA-Upland	73.80	110.75	-0.82
12486	LA-Upland	74.18	110.77	-0.82
12487	LA-Upland	75.05	110.79	-0.82
12488	LA-Upland	75.91	110.81	-0.82
12489	LA-Upland	75.86	110.84	-0.82
12490	LA-Upland	75.71	110.86	-2.08
12491	LA-Upland	75.50	110.88	-2.08
12492	LA-Upland	75.43	110.90	-2.08
12493	LA-Upland	75.13	110.92	-2.08
12494	LA-Upland	75.09	110.94	-2.08
12495	LA-Upland	75.01	110.96	-4.31
12496	LA-Upland	75.11	110.98	-4.31
12497	LA-Upland	75.06	111.00	-4.31
12498	LA-Upland	75.03	111.02	-4.31
12499	LA-Upland	75.07	111.04	-4.31
12500	LA-Upland	75.30	111.06	-5.61
12501	LA-Upland	75.66	111.08	-5.61
12502	LA-Upland	75.60	111.10	-5.61
12503	LA-Upland	75.44	111.13	-5.61
12504	LA-Upland	74.88	111.15	-5.61
12505	LA-Upland	74.80	111.17	-4.95
12506	LA-Upland	74.85	111.19	-4.95
12507	LA-Upland	74.31	111.21	-4.95
12508	LA-Upland	73.45	111.23	-4.95
12509	LA-Upland	73.16	111.25	-4.95
12510	LA-Upland	73.21	111.27	-5.36
12511	LA-Upland	73.22	111.29	-5.36
12512	LA-Upland	73.71	111.31	-5.36
12513	LA-Upland	74.60	111.33	-5.36
12514	LA-Upland	75.44	111.35	-5.36
12515	LA-Upland	75.53	111.37	-3.65
12516	LA-Upland	75.66	111.39	-3.65
12517	LA-Upland	75.71	111.41	-3.65
12518	LA-Upland	75.88	111.43	-3.65
12519	LA-Upland	75.91	111.45	-5.88
12520	LA-Upland	76.14	111.47	-5.88
12521	LA-Upland	76.16	111.50	-5.88
12522	LA-Upland	76.05	111.52	-5.88
12523	LA-Upland	75.96	111.54	-5.88
12524	LA-Upland	75.66	111.56	-5.38
12525	LA-Upland	75.55	111.58	-5.38
12526	LA-Upland	75.89	111.60	-5.38
12527	LA-Upland	75.95	111.62	-5.38
12528	LA-Upland	76.15	111.64	-3.38
12529	LA-Upland	76.14	111.66	-4.86
12530	LA-Upland	75.53	111.68	-4.86
12531	LA-Upland	74.81	111.70	-4.86
12532	LA-Upland	74.71	111.72	-4.86
12533	LA-Upland	74.44	111.74	-4.86
12534	LA-Upland	74.15	111.77	-0.05
12535	LA-Upland	74.26	111.79	-0.05
12536	LA-Upland	74.38	111.81	-0.05
12537	LA-Upland	74.43	111.83	-0.05
12538	LA-Upland	74.64	111.85	-0.05
12539	LA-Upland	74.76	111.87	-0.89
12540	LA-Upland	74.74	111.89	-0.89
12541	LA-Upland	74.67	111.91	-0.89
12542	LA-Upland	74.64	111.93	-0.89
12543	LA-Upland	74.54	111.95	-0.89
12544	LA-Upland	74.66	111.97	-0.12
12545	LA-Upland	74.75	111.99	-0.12
12546	LA-Upland	74.73	112.01	-0.12
12547	LA-Upland	74.90	112.03	-0.12
12548	LA-Upland	74.95	112.05	1.24
12549	LA-Upland	74.84	112.07	1.24
12550	LA-Upland	74.94	112.09	1.24
12551	LA-Upland	74.99	112.11	1.24
12552	LA-Upland	75.00	112.13	1.24
12553	LA-Upland	75.04	112.16	1.08
12554	LA-Upland	74.83	112.18	1.08
12555	LA-Upland	74.73	112.20	1.08
12556	LA-Upland	74.64	112.22	1.08
12557	LA-Upland	74.60	112.24	1.08
12558	LA-Upland	74.57	112.26	-0.29

Page 163 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
12637	LA-Upland	74.17	113.88	1.33
12638	LA-Upland	74.52	113.90	1.33
12639	LA-Upland	74.85	113.92	1.33
12640	LA-Upland	74.97	113.94	1.33
12641	LA-Upland	74.87	113.96	-0.05
12642	LA-Upland	74.38	113.98	-0.05
12643	LA-Upland	73.69	114.00	-0.05
12644	LA-Upland	72.49	114.02	-0.05
12645	LA-Upland	71.42	114.04	-0.05
12646	LA-Upland	71.08	114.06	1.20
12647	LA-Upland	71.23	114.08	2.20
12648	LA-Upland	71.50	114.10	1.20
12649	LA-Upland	71.60	114.12	1.20
12650	LA-Upland	71.49	114.14	1.20
12651	LA-Upland	71.44	114.16	0.32
12652	LA-Upland	71.23	114.18	0.32
12653	LA-Upland	71.19	114.20	0.32
12654	LA-Upland	71.17	114.22	0.32
12655	LA-Upland	71.18	114.24	0.32
12656	LA-Upland	71.21	114.26	0.33
12657	LA-Upland	71.21	114.28	0.33
12658	LA-Upland	71.24	114.30	0.33
12659	LA-Upland	71.25	114.32	0.33
12660	LA-Upland	71.37	114.34	0.33
12661	LA-Upland	71.49	114.36	1.54
12662	LA-Upland	71.74	114.38	1.54
12663	LA-Upland	72.04	114.40	1.54
12664	LA-Upland	72.34	114.42	1.54
12665	LA-Upland	72.55	114.44	1.54
12666	LA-Upland	72.72	114.46	0.62
12667	LA-Upland	72.67	114.48	0.62
12668	LA-Upland	72.72	114.50	0.62
12669	LA-Upland	72.82	114.52	0.62
12670	LA-Upland	73.11	114.54	0.62
12671	LA-Upland	73.36	114.56	1.67
12672	LA-Upland	73.64	114.58	1.67
12673	LA-Upland	73.86	114.60	1.67
12674	LA-Upland	74.04	114.62	1.67
12675	LA-Upland	74.17	114.64	1.67
12676	LA-Upland	74.05	114.66	1.54
12677	LA-Upland	73.73	114.68	1.54
12678	LA-Upland	73.44	114.70	1.54
12679	LA-Upland	73.27	114.72	1.54
12680	LA-Upland	73.17	114.74	1.54
12681	LA-Upland	72.88	114.76	1.55
12682	LA-Upland	72.57	114.78	1.55
12683	LA-Upland	72.51	114.80	1.55
12684	LA-Upland	72.23	114.82	1.55
12685	LA-Upland	72.07	114.84	1.55
12686	LA-Upland	71.90	114.86	2.12
12687	LA-Upland	71.74	114.88	2.12
12688	LA-Upland	71.37	114.90	2.12
12689	LA-Upland	69.93	114.92	2.12
12690	LA-Upland	69.67	114.94	2.12
12691	LA-Upland	69.74	114.96	1.85
12692	LA-Upland	69.83	114.97	1.85
12693	LA-Upland	69.76	114.99	1.85
12694	LA-Upland	69.56	115.01	1.85
12695	LA-Upland	69.19	115.03	1.85
12696	LA-Upland	69.02	115.05	3.63
12697	LA-Upland	68.16	115.07	3.63
12698	LA-Upland	66.91	115.09	3.63
12699	LA-Upland	65.70	115.11	3.63
12700	LA-Upland	64.56	115.12	3.63
12701	LA-Upland	64.17	115.14	3.63
12702	LA-Upland	64.19	115.16	0.25
12703	LA-Upland	64.28	115.18	0.25
12704	LA-Upland	64.75	115.19	0.25
12705	LA-Upland	65.64	115.21	0.25
12706	LA-Upland	66.36	115.23	0.25
12707	LA-Upland	67.15	115.25	0.25
12708	LA-Upland	67.81	115.27	1.37
12709	LA-Upland	68.37	115.29	1.37
12710	LA-Upland	68.62	115.31	1.37
12711	LA-Upland	68.20	115.32	1.37
12712	LA-Upland	67.31	115.34	1.37
12713	LA-Upland	67.97	115.36	2.40
12714	LA-Upland	68.49	115.38	2.40

Page 162 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
12559	LA-Upland	74.35	112.28	-0.29
12560	LA-Upland	73.82	112.30	-0.29
12561	LA-Upland	72.63	112.32	-0.29
12562	LA-Upland	72.21	112.34	-0.29
12563	LA-Upland	72.24	112.36	0.24
12564	LA-Upland	72.29	112.38	0.24
12565	LA-Upland	72.30	112.40	0.24
12566	LA-Upland	72.26	112.42	0.24
12567	LA-Upland	72.15	112.44	0.24
12568	LA-Upland	72.35	112.46	3.03
12569	LA-Upland	72.22	112.48	3.03
12570	LA-Upland	72.08	112.50	3.03
12571	LA-Upland	71.98	112.52	3.03
12572	LA-Upland	71.95	112.54	3.03
12573	LA-Upland	71.99	112.56	-1.26
12574	LA-Upland	72.11	112.58	-1.26
12575	LA-Upland	72.15	112.60	-1.26
12576	LA-Upland	72.38	112.62	-1.26
12577	LA-Upland	72.44	112.64	-1.26
12578	LA-Upland	72.62	112.66	1.96
12579	LA-Upland	72.63	112.68	1.96
12580	LA-Upland	72.95	112.70	1.96
12581	LA-Upland	73.06	112.72	1.96
12582	LA-Upland	73.27	112.74	1.96
12583	LA-Upland	73.39	112.76	0.75
12584	LA-Upland	73.70	112.78	0.75
12585	LA-Upland	73.96	112.80	0.75
12586	LA-Upland	74.23	112.82	0.75
12587	LA-Upland	74.38	112.84	0.75
12588	LA-Upland	74.60	112.86	1.08
12589	LA-Upland	74.83	112.88	1.08
12590	LA-Upland	74.85	112.90	1.08
12591	LA-Upland	74.99	112.92	1.08
12592	LA-Upland	74.99	112.94	1.08
12593	LA-Upland	74.93	112.96	0.35
12594	LA-Upland	74.87	112.98	0.35
12595	LA-Upland	74.91	113.00	0.35
12596	LA-Upland	75.26	113.02	0.35
12597	LA-Upland	75.61	113.04	0.35
12598	LA-Upland	75.91	113.07	1.29
12599	LA-Upland	76.08	113.09	1.29
12600	LA-Upland	76.20	113.11	1.29
12601	LA-Upland	76.28	113.13	1.29
12602	LA-Upland	76.37	113.15	1.29
12603	LA-Upland	76.88	113.17	0.65
12604	LA-Upland	77.27	113.19	0.65
12605	LA-Upland	77.57	113.21	0.65
12606	LA-Upland	77.79	113.23	0.65
12607	LA-Upland	78.10	113.26	1.08
12608	LA-Upland	78.31	113.28	1.08
12609	LA-Upland	78.48	113.30	1.08
12610	LA-Upland	78.57	113.32	1.08
12611	LA-Upland	78.63	113.34	1.08
12612	LA-Upland	78.82	113.36	-0.07
12613	LA-Upland	78.90	113.39	-0.07
12614	LA-Upland	79.02	113.41	-0.07
12615	LA-Upland	79.01	113.43	-0.07
12616	LA-Upland	78.13	113.45	-0.29
12617	LA-Upland	77.25	113.47	-0.29
12618	LA-Upland	77.14	113.49	-0.29
12619	LA-Upland	76.99	113.51	0.29
12620	LA-Upland	76.74	113.54	0.29
12621	LA-Upland	76.66	113.56	0.17
12622	LA-Upland	76.56	113.58	0.17
12623	LA-Upland	76.30	113.60	0.17
12624	LA-Upland	75.31	113.62	0.17
12625	LA-Upland	74.32	113.64	0.17
12626	LA-Upland	73.38	113.66	0.15
12627	LA-Upland	72.58	113.68	0.15
12628	LA-Upland	72.17	113.70	0.15
12629	LA-Upland	72.17	113.72	0.15
12630	LA-Upland	72.10	113.74	0.15
12631	LA-Upland	72.29	113.76	0.11
12632	LA-Upland	73.27	113.78	0.11
12633	LA-Upland	73.76	113.80	0.11
12634	LA-Upland	73.88	113.82	0.11
12635	LA-Upland	73.87	113.84	0.11
12636	LA-Upland	73.97	113.86	1.33

Page 165 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
12793	LA-Upland	72.15	116.96	0.07
12794	LA-Upland	70.76	116.98	0.07
12795	LA-Upland	68.76	116.99	0.07
12796	LA-Upland	67.55	117.01	0.07
12797	LA-Upland	66.36	117.03	0.07
12798	LA-Upland	64.31	117.05	0.07
12799	LA-Upland	62.13	117.07	0.06
12800	LA-Upland	59.96	117.08	0.06
12801	LA-Upland	58.74	117.10	0.06
12802	LA-Upland	57.64	117.11	0.06
12803	LA-Upland	55.54	117.13	0.06
12804	LA-Upland	53.18	117.14	0.06
12805	LA-Upland	51.56	117.16	0.45
12806	LA-Upland	50.51	117.17	0.45
12807	LA-Upland	49.78	117.19	0.45
12808	LA-Upland	47.93	117.20	0.45
12809	LA-Upland	45.36	117.21	0.45
12810	LA-Upland	43.76	117.22	0.45
12811	LA-Upland	43.18	117.24	0.45
12812	LA-Upland	43.01	117.25	0.45
12813	LA-Upland	41.81	117.26	1.45
12814	LA-Upland	39.41	117.27	1.45
12815	LA-Upland	34.91	117.28	1.45
12816	LA-Upland	30.33	117.29	1.45
12817	LA-Upland	26.76	117.29	1.45
12818	LA-Upland	23.51	117.30	1.45
12819	LA-Upland	21.90	117.31	1.45
12820	LA-Upland	21.13	117.31	1.45
12821	LA-Upland	21.26	117.32	1.45
12822	LA-Upland	22.15	117.32	1.45
12823	LA-Upland	23.27	117.33	1.45
12824	LA-Upland	24.81	117.34	1.45
12825	LA-Upland	26.57	117.35	1.45
12826	LA-Upland	28.13	117.35	2.74
12827	LA-Upland	29.53	117.36	2.74
12828	LA-Upland	28.50	117.37	2.74
12829	LA-Upland	27.78	117.38	2.74
12830	LA-Upland	27.22	117.38	2.74
12831	LA-Upland	26.72	117.39	2.74
12832	LA-Upland	25.92	117.40	2.74
12833	LA-Upland	24.62	117.41	2.74
12834	LA-Upland	24.00	117.41	2.74
12835	LA-Upland	23.89	117.42	2.74
12836	LA-Upland	23.56	117.43	2.74
12837	LA-Upland	22.47	117.43	2.74
12838	LA-Upland	21.17	117.44	2.74
12839	LA-Upland	20.02	117.44	2.74
12840	LA-Upland	19.83	117.45	2.74
12841	LA-Upland	19.38	117.45	0.01
12842	LA-Upland	17.89	117.46	0.01
12843	LA-Upland	16.31	117.46	0.01
12844	LA-Upland	14.58	117.47	0.01
12845	LA-Upland	11.95	117.47	0.01
12846	LA-Upland	10.98	117.47	0.01
12847	LA-Upland	11.75	117.48	0.01
12848	LA-Upland	13.89	117.48	0.01
12849	LA-Upland	16.20	117.48	0.01
12850	LA-Upland	18.51	117.49	0.01
12851	LA-Upland	20.63	117.50	0.01
12852	LA-Upland	22.52	117.50	0.01
12853	LA-Upland	23.36	117.51	0.01
12854	LA-Upland	24.35	117.51	0.01
12855	LA-Upland	25.43	117.52	0.01
12856	LA-Upland	26.40	117.53	0.01
12857	LA-Upland	26.51	117.54	0.01
12858	LA-Upland	25.89	117.54	0.01
12859	LA-Upland	25.26	117.55	-0.81
12860	LA-Upland	25.32	117.56	-0.81
12861	LA-Upland	25.43	117.56	-0.81
12862	LA-Upland	24.97	117.57	-0.81
12863	LA-Upland	24.47	117.58	-0.81
12864	LA-Upland	25.10	117.58	-0.81
12865	LA-Upland	26.32	117.59	-0.81
12866	LA-Upland	27.63	117.60	-0.81
12867	LA-Upland	29.01	117.61	-0.81
12868	LA-Upland	30.42	117.62	-0.81
12869	LA-Upland	31.99	117.62	-0.81
12870	LA-Upland	33.54	117.63	-0.81

Page 167 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
12949	LA-Upland	36.17	118.27	-0.44
12950	LA-Upland	37.56	118.28	-0.44
12951	LA-Upland	38.91	118.29	-0.44
12952	LA-Upland	40.10	118.30	-0.44
12953	LA-Upland	40.98	118.32	-0.44
12954	LA-Upland	41.67	118.33	-0.44
12955	LA-Upland	42.22	118.34	-0.44
12956	LA-Upland	42.84	118.35	-0.16
12957	LA-Upland	41.94	118.36	-0.16
12958	LA-Upland	40.78	118.37	-0.16
12959	LA-Upland	38.58	118.38	-0.16
12960	LA-Upland	38.00	118.39	-0.16
12961	LA-Upland	38.16	118.40	-0.16
12962	LA-Upland	38.71	118.41	-0.16
12963	LA-Upland	39.33	118.43	-0.16
12964	LA-Upland	39.97	118.44	-0.16
12965	LA-Upland	40.78	118.45	-0.16
12966	LA-Upland	40.50	118.46	2.33
12967	LA-Upland	39.32	118.47	2.33
12968	LA-Upland	38.32	118.48	2.33
12969	LA-Upland	36.91	118.49	2.33
12970	LA-Upland	35.88	118.50	2.33
12971	LA-Upland	36.04	118.51	2.33
12972	LA-Upland	36.60	118.52	2.33
12973	LA-Upland	37.56	118.53	2.33
12974	LA-Upland	38.51	118.54	2.33
12975	LA-Upland	38.97	118.55	2.76
12976	LA-Upland	38.37	118.56	2.76
12977	LA-Upland	38.84	118.57	2.76
12978	LA-Upland	39.75	118.58	2.76
12979	LA-Upland	39.62	118.60	2.76
12980	LA-Upland	38.82	118.61	2.76
12981	LA-Upland	37.54	118.62	2.76
12982	LA-Upland	36.32	118.63	2.76
12983	LA-Upland	36.66	118.64	2.76
12984	LA-Upland	38.13	118.65	2.76
12985	LA-Upland	39.58	118.66	1.53
12986	LA-Upland	39.64	118.67	1.53
12987	LA-Upland	38.76	118.68	1.53
12988	LA-Upland	36.78	118.69	1.53
12989	LA-Upland	34.20	118.70	1.53
12990	LA-Upland	31.08	118.71	1.53
12991	LA-Upland	28.20	118.72	1.53
12992	LA-Upland	25.53	118.72	1.53
12993	LA-Upland	23.45	118.73	1.53
12994	LA-Upland	22.98	118.73	1.53
12995	LA-Upland	23.16	118.74	1.53
12996	LA-Upland	24.46	118.75	1.53
12997	LA-Upland	26.02	118.76	-1.91
12998	LA-Upland	27.45	118.76	-1.91
12999	LA-Upland	27.86	118.77	-1.91
13000	LA-Upland	26.88	118.78	-1.91
13001	LA-Upland	25.96	118.78	-1.91
13002	LA-Upland	24.30	118.79	-1.91
13003	LA-Upland	22.55	118.80	-1.91
13004	LA-Upland	21.93	118.80	-1.91
13005	LA-Upland	22.43	118.81	-1.91
13006	LA-Upland	23.44	118.82	-1.91
13007	LA-Upland	25.47	118.82	-1.91
13008	LA-Upland	28.11	118.83	-1.91
13009	LA-Upland	31.07	118.84	-1.91
13010	LA-Upland	33.89	118.85	-1.91
13011	LA-Upland	35.96	118.86	1.14
13012	LA-Upland	37.44	118.87	1.14
13013	LA-Upland	38.07	118.88	1.14
13014	LA-Upland	37.07	118.89	1.14
13015	LA-Upland	37.06	118.90	1.14
13016	LA-Upland	37.22	118.91	1.14
13017	LA-Upland	36.88	118.92	1.14
13018	LA-Upland	37.25	118.93	1.14
13019	LA-Upland	36.90	118.94	1.14
13020	LA-Upland	35.67	118.95	1.52
13021	LA-Upland	34.45	118.96	1.52
13022	LA-Upland	34.17	118.97	1.52
13023	LA-Upland	34.67	118.98	1.52
13024	LA-Upland	35.69	118.99	1.52
13025	LA-Upland	36.62	119.00	1.52
13026	LA-Upland	37.21	119.01	1.52

Page 166 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
12871	LA-Upland	34.77	117.64	-0.81
12872	LA-Upland	35.82	117.65	1.15
12873	LA-Upland	36.80	117.66	1.15
12874	LA-Upland	37.73	117.67	1.15
12875	LA-Upland	37.66	117.68	1.15
12876	LA-Upland	36.74	117.69	1.15
12877	LA-Upland	36.87	117.70	1.15
12878	LA-Upland	37.37	117.71	1.15
12879	LA-Upland	38.03	117.72	1.15
12880	LA-Upland	38.40	117.74	1.15
12881	LA-Upland	38.56	117.75	1.15
12882	LA-Upland	38.77	117.76	0.44
12883	LA-Upland	39.09	117.77	0.44
12884	LA-Upland	39.59	117.78	0.44
12885	LA-Upland	40.07	117.79	0.44
12886	LA-Upland	40.53	117.80	0.44
12887	LA-Upland	40.78	117.81	-0.44
12888	LA-Upland	40.88	117.82	0.44
12889	LA-Upland	40.40	117.83	0.44
12890	LA-Upland	39.48	117.84	0.44
12891	LA-Upland	39.84	117.86	0.10
12892	LA-Upland	40.32	117.87	0.10
12893	LA-Upland	40.83	117.88	0.10
12894	LA-Upland	40.39	117.89	0.10
12895	LA-Upland	40.42	117.90	0.10
12896	LA-Upland	40.84	117.91	0.10
12897	LA-Upland	40.42	117.92	0.10
12898	LA-Upland	39.50	117.93	0.10
12899	LA-Upland	39.46	117.94	0.10
12900	LA-Upland	38.79	117.96	0.87
12901	LA-Upland	37.48	117.97	0.87
12902	LA-Upland	35.71	117.98	0.87
12903	LA-Upland	34.72	117.98	0.87
12904	LA-Upland	34.65	117.99	0.87
12905	LA-Upland	35.34	118.00	0.87
12906	LA-Upland	36.04	118.01	0.87
12907	LA-Upland	36.62	118.02	0.87
12908	LA-Upland	37.17	118.03	0.87
12909	LA-Upland	36.66	118.04	0.87
12910	LA-Upland	35.77	118.05	1.10
12911	LA-Upland	34.28	118.06	1.10
12912	LA-Upland	32.38	118.07	1.10
12913	LA-Upland	31.45	118.08	1.10
12914	LA-Upland	30.54	118.09	1.10
12915	LA-Upland	29.80	118.10	1.10
12916	LA-Upland	29.17	118.11	1.10
12917	LA-Upland	28.39	118.11	1.10
12918	LA-Upland	27.22	118.12	1.10
12919	LA-Upland	26.40	118.13	1.10
12920	LA-Upland	25.83	118.14	1.10
12921	LA-Upland	25.35	118.14	1.10
12922	LA-Upland	25.41	118.15	1.01
12923	LA-Upland	25.38	118.16	1.57
12924	LA-Upland	23.10	118.16	1.57
12925	LA-Upland	18.36	118.17	1.57
12926	LA-Upland	10.30	118.17	1.57
12927	LA-Upland	3.56	118.17	1.57
12928	LA-Upland	0.18	118.17	1.57
12929	LA-Upland	0.00	118.17	1.57
12930	LA-Upland	0.00	118.17	1.57
12931	LA-Upland	0.00	118.17	1.57
12932	LA-Upland	0.00	118.17	1.57
12933	LA-Upland	2.20	118.17	1.57
12934	LA-Upland	5.78	118.17	1.57
12935	LA-Upland	9.28	118.18	1.57
12936	LA-Upland	12.92	118.18	1.57
12937	LA-Upland	15.75	118.18	1.57
12938	LA-Upland	18.43	118.19	1.57
12939	LA-Upland	20.40	118.20	1.57
12940	LA-Upland	20.50	118.20	1.57
12941	LA-Upland	20.74	118.21	1.57
12942	LA-Upland	22.25	118.21	1.57
12943	LA-Upland	24.23	118.22	1.57
12944	LA-Upland	26.75	118.23	1.57
12945	LA-Upland	29.26	118.23	1.57
12946	LA-Upland	31.81	118.24	1.57
12947	LA-Upland	33.63	118.25	1.57
12948	LA-Upland	34.93	118.26	-0.44

Page 169 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
13105	LA-Upland	56.81	120.05	0.38
13106	LA-Upland	57.12	120.07	0.45
13107	LA-Upland	57.17	120.08	0.45
13108	LA-Upland	56.87	120.10	0.45
13109	LA-Upland	56.20	120.11	0.45
13110	LA-Upland	55.14	120.13	0.45
13111	LA-Upland	54.40	120.14	0.45
13112	LA-Upland	53.83	120.16	0.95
13113	LA-Upland	53.72	120.17	0.95
13114	LA-Upland	54.02	120.19	0.95
13115	LA-Upland	54.48	120.20	0.95
13116	LA-Upland	54.60	120.22	0.95
13117	LA-Upland	53.42	120.23	0.95
13118	LA-Upland	52.42	120.25	0.95
13119	LA-Upland	50.64	120.26	0.85
13120	LA-Upland	48.31	120.27	0.85
13121	LA-Upland	45.93	120.29	0.85
13122	LA-Upland	43.70	120.30	0.85
13123	LA-Upland	41.44	120.31	0.85
13124	LA-Upland	39.93	120.32	0.85
13125	LA-Upland	39.60	120.33	0.85
13126	LA-Upland	39.68	120.34	0.85
13127	LA-Upland	39.90	120.35	-0.40
13128	LA-Upland	38.80	120.36	-0.40
13129	LA-Upland	36.39	120.37	-0.40
13130	LA-Upland	33.89	120.38	-0.40
13131	LA-Upland	31.52	120.39	-0.40
13132	LA-Upland	30.35	120.40	-0.40
13133	LA-Upland	30.51	120.41	-0.40
13134	LA-Upland	30.77	120.42	-0.40
13135	LA-Upland	31.58	120.43	-0.40
13136	LA-Upland	32.88	120.43	-0.40
13137	LA-Upland	34.29	120.44	-0.40
13138	LA-Upland	35.67	120.45	-0.07
13139	LA-Upland	36.73	120.46	-0.07
13140	LA-Upland	37.12	120.47	-0.07
13141	LA-Upland	37.99	120.48	-0.07
13142	LA-Upland	38.63	120.49	-0.07
13143	LA-Upland	37.67	120.51	-0.07
13144	LA-Upland	37.92	120.52	-0.07
13145	LA-Upland	38.08	120.53	-0.07
13146	LA-Upland	37.39	120.54	-0.07
13147	LA-Upland	35.30	120.55	-0.07
13148	LA-Upland	33.12	120.56	-0.33
13149	LA-Upland	32.45	120.56	-0.33
13150	LA-Upland	32.04	120.57	-0.33
13151	LA-Upland	32.64	120.58	-0.33
13152	LA-Upland	34.17	120.59	-0.33
13153	LA-Upland	36.68	120.60	-0.33
13154	LA-Upland	38.86	120.61	-0.33
13155	LA-Upland	40.07	120.62	-0.33
13156	LA-Upland	40.02	120.63	-0.33
13157	LA-Upland	39.62	120.65	-0.33
13158	LA-Upland	39.19	120.66	-1.12
13159	LA-Upland	38.85	120.67	-1.12
13160	LA-Upland	37.62	120.68	-1.12
13161	LA-Upland	36.05	120.69	-1.12
13162	LA-Upland	35.42	120.70	-1.12
13163	LA-Upland	35.83	120.71	-1.12
13164	LA-Upland	37.22	120.72	-1.12
13165	LA-Upland	38.68	120.73	-1.12
13166	LA-Upland	40.36	120.74	-1.12
13167	LA-Upland	41.77	120.75	-1.12
13168	LA-Upland	42.77	120.76	-0.65
13169	LA-Upland	43.65	120.77	-0.65
13170	LA-Upland	44.45	120.79	-0.65
13171	LA-Upland	45.55	120.80	-0.65
13172	LA-Upland	46.90	120.81	-0.65
13173	LA-Upland	47.80	120.82	-0.65
13174	LA-Upland	48.23	120.84	-0.65
13175	LA-Upland	48.48	120.85	0.00
13176	LA-Upland	48.82	120.86	0.00
13177	LA-Upland	49.12	120.88	0.00
13178	LA-Upland	49.41	120.89	0.00
13179	LA-Upland	49.95	120.91	0.00
13180	LA-Upland	50.98	120.92	0.00
13181	LA-Upland	51.02	120.93	0.00
13182	LA-Upland	50.27	120.95	0.00

Page 171 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
13261	LA-Upland	68.17	122.43	-1.51
13262	LA-Upland	67.31	122.44	-1.51
13263	LA-Upland	66.57	122.46	-1.10
13264	LA-Upland	65.66	122.48	-1.10
13265	LA-Upland	64.88	122.50	-1.10
13266	LA-Upland	64.83	122.52	-1.10
13267	LA-Upland	64.67	122.53	-1.10
13268	LA-Upland	64.57	122.55	-0.84
13269	LA-Upland	63.74	122.57	-0.84
13270	LA-Upland	63.09	122.59	-0.84
13271	LA-Upland	62.50	122.60	-0.84
13272	LA-Upland	61.70	122.62	-0.84
13273	LA-Upland	61.20	122.64	-0.84
13274	LA-Upland	60.42	122.65	-1.57
13275	LA-Upland	59.66	122.67	-1.57
13276	LA-Upland	59.20	122.69	-1.57
13277	LA-Upland	59.16	122.70	-1.57
13278	LA-Upland	59.41	122.72	-1.57
13279	LA-Upland	59.40	122.74	-1.57
13280	LA-Upland	58.97	122.75	-0.53
13281	LA-Upland	58.58	122.77	-0.53
13282	LA-Upland	57.53	122.78	-0.53
13283	LA-Upland	55.92	122.80	-0.53
13284	LA-Upland	55.62	122.82	-0.53
13285	LA-Upland	55.32	122.83	-0.53
13286	LA-Upland	55.10	122.85	-0.53
13287	LA-Upland	55.07	122.86	-0.15
13288	LA-Upland	54.96	122.88	-0.15
13289	LA-Upland	54.92	122.89	-0.15
13290	LA-Upland	54.93	122.91	-0.15
13291	LA-Upland	54.99	122.92	-0.15
13292	LA-Upland	55.59	122.94	-0.15
13293	LA-Upland	55.35	122.95	-1.71
13294	LA-Upland	53.78	122.97	-1.71
13295	LA-Upland	50.00	122.98	-1.71
13296	LA-Upland	46.06	122.99	-1.71
13297	LA-Upland	42.70	123.00	-1.71
13298	LA-Upland	39.52	123.02	-1.71
13299	LA-Upland	36.81	123.03	-1.71
13300	LA-Upland	35.18	123.04	-1.71
13301	LA-Upland	34.16	123.04	-1.71
13302	LA-Upland	34.87	123.05	-1.38
13303	LA-Upland	36.45	123.06	-1.38
13304	LA-Upland	37.58	123.07	-1.38
13305	LA-Upland	36.88	123.08	-1.38
13306	LA-Upland	36.34	123.09	-1.38
13307	LA-Upland	36.94	123.11	-1.38
13308	LA-Upland	38.30	123.12	-1.38
13309	LA-Upland	39.74	123.13	-1.38
13310	LA-Upland	40.52	123.14	-1.38
13311	LA-Upland	40.41	123.15	-1.38
13312	LA-Upland	41.69	123.16	-2.07
13313	LA-Upland	43.21	123.17	-2.07
13314	LA-Upland	43.33	123.18	-2.07
13315	LA-Upland	43.28	123.20	-2.07
13316	LA-Upland	43.72	123.21	-2.07
13317	LA-Upland	43.74	123.22	-2.07
13318	LA-Upland	43.18	123.23	-2.07
13319	LA-Upland	41.78	123.24	-2.07
13320	LA-Upland	40.76	123.25	-1.96
13321	LA-Upland	41.49	123.27	-1.96
13322	LA-Upland	43.29	123.28	-1.96
13323	LA-Upland	45.09	123.29	-1.96
13324	LA-Upland	46.42	123.30	-1.96
13325	LA-Upland	47.17	123.32	-1.96
13326	LA-Upland	48.05	123.33	-1.96
13327	LA-Upland	48.43	123.34	-1.96
13328	LA-Upland	48.81	123.39	-2.21
13329	LA-Upland	49.37	123.37	-2.21
13330	LA-Upland	50.17	123.38	-2.21
13331	LA-Upland	51.17	123.40	-2.21
13332	LA-Upland	52.13	123.41	-2.21
13333	LA-Upland	54.07	123.43	-2.21
13334	LA-Upland	55.92	123.44	-2.21
13335	LA-Upland	57.20	123.46	-1.99
13336	LA-Upland	58.39	123.47	-1.99
13337	LA-Upland	59.62	123.49	-1.99
13338	LA-Upland	60.81	123.51	-1.99

Page 170 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
13183	LA-Upland	49.60	120.96	0.00
13184	LA-Upland	49.09	120.97	0.00
13185	LA-Upland	49.67	120.99	0.00
13186	LA-Upland	50.19	121.00	0.00
13187	LA-Upland	50.82	121.02	0.00
13188	LA-Upland	51.25	121.03	0.00
13189	LA-Upland	50.67	121.04	0.00
13190	LA-Upland	49.90	121.06	0.00
13191	LA-Upland	49.39	121.07	0.00
13192	LA-Upland	49.71	121.08	0.00
13193	LA-Upland	50.42	121.10	0.00
13194	LA-Upland	51.75	121.11	0.00
13195	LA-Upland	53.53	121.13	0.00
13196	LA-Upland	55.07	121.14	0.00
13197	LA-Upland	56.48	121.16	0.00
13198	LA-Upland	58.92	121.17	0.00
13199	LA-Upland	62.75	121.19	0.00
13200	LA-Upland	66.54	121.21	0.00
13201	LA-Upland	70.07	121.23	0.00
13202	LA-Upland	73.29	121.25	0.00
13203	LA-Upland	75.44	121.27	0.00
13204	LA-Upland	76.27	121.29	0.00
13205	LA-Upland	77.09	121.31	0.00
13206	LA-Upland	78.01	121.33	0.00
13207	LA-Upland	78.82	121.36	0.00
13208	LA-Upland	79.51	121.38	0.00
13209	LA-Upland	79.05	121.40	0.00
13210	LA-Upland	78.09	121.42	0.00
13211	LA-Upland	77.93	121.44	0.00
13212	LA-Upland	77.97	121.46	0.00
13213	LA-Upland	77.92	121.48	0.00
13214	LA-Upland	76.85	121.51	0.00
13215	LA-Upland	76.41	121.53	0.00
13216	LA-Upland	76.49	121.55	0.00
13217	LA-Upland	76.45	121.57	0.00
13218	LA-Upland	76.48	121.59	0.00
13219	LA-Upland	75.72	121.61	0.00
13220	LA-Upland	74.82	121.63	0.00
13221	LA-Upland	73.91	121.65	0.00
13222	LA-Upland	73.40	121.67	0.00
13223	LA-Upland	72.60	121.69	0.00
13224	LA-Upland	72.69	121.71	0.00
13225	LA-Upland	71.95	121.73	0.00
13226	LA-Upland	71.07	121.75	0.00
13227	LA-Upland	70.74	121.77	0.00
13228	LA-Upland	70.99	121.79	0.00
13229	LA-Upland	71.21	121.81	0.00
13230	LA-Upland	71.41	121.83	0.00
13231	LA-Upland	71.69	121.85	0.00
13232	LA-Upland	71.93	121.87	-0.54
13233	LA-Upland	72.03	121.89	-0.54
13234	LA-Upland	71.22	121.91	-0.54
13235	LA-Upland	70.51	121.93	-0.54
13236	LA-Upland	70.63	121.95	-0.54
13237	LA-Upland	70.75	121.97	-1.25
13238	LA-Upland	70.92	121.99	-1.25
13239	LA-Upland	71.16	122.01	-1.25
13240	LA-Upland	71.27	122.02	-1.25
13241	LA-Upland	71.16	122.04	-1.25
13242	LA-Upland	71.09	122.06	-0.92
13243	LA-Upland	70.43	122.08	-0.92
13244	LA-Upland	69.77	122.10	-0.92
13245	LA-Upland	69.62	122.12	-0.92
13246	LA-Upland	69.70	122.14	-0.92
13247	LA-Upland	69.80	122.16	0.00
13248	LA-Upland	70.08	122.18	0.00
13249	LA-Upland	70.26	122.20	0.00
13250	LA-Upland	70.37	122.22	0.00
13251	LA-Upland	70.34	122.24	0.00
13252	LA-Upland	69.93	122.26	-0.25
13253	LA-Upland	69.03	122.28	-0.25
13254	LA-Upland	68.26	122.29	-0.25
13255	LA-Upland	68.82	122.31	-0.25
13256	LA-Upland	68.46	122.33	-1.51
13257	LA-Upland	68.62	122.35	-1.51
13258	LA-Upland	69.00	122.37	-1.51
13259	LA-Upland	69.27	122.39	-1.51
13260	LA-Upland	68.94	122.41	-1.51

Page 173 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
13417	LA-Upland	0.00	123.98	-0.86
13418	LA-Upland	0.00	123.98	-0.86
13419	LA-Upland	0.00	123.98	-0.86
13420	LA-Upland	0.25	123.98	-0.86
13421	LA-Upland	4.24	123.98	-0.86
13422	LA-Upland	9.07	123.99	-0.86
13423	LA-Upland	12.23	123.99	-0.86
13424	LA-Upland	14.18	123.99	-0.86
13425	LA-Upland	14.44	124.00	-0.86
13426	LA-Upland	14.31	124.00	-0.86
13427	LA-Upland	14.00	124.01	-0.86
13428	LA-Upland	14.07	124.01	-0.86
13429	LA-Upland	14.86	124.01	-0.86
13430	LA-Upland	16.20	124.02	-0.86
13431	LA-Upland	18.50	124.02	-0.86
13432	LA-Upland	21.59	124.03	-0.86
13433	LA-Upland	24.75	124.04	-0.86
13434	LA-Upland	27.82	124.04	-0.86
13435	LA-Upland	30.20	124.05	-0.53
13436	LA-Upland	31.75	124.06	-0.53
13437	LA-Upland	33.22	124.07	-0.53
13438	LA-Upland	33.87	124.08	-0.53
13439	LA-Upland	33.46	124.09	-0.53
13440	LA-Upland	34.16	124.10	-0.53
13441	LA-Upland	35.29	124.11	-0.53
13442	LA-Upland	36.43	124.12	-0.53
13443	LA-Upland	37.67	124.13	-0.53
13444	LA-Upland	38.94	124.14	-0.53
13445	LA-Upland	41.07	124.15	-0.53
13446	LA-Upland	42.80	124.16	-0.51
13447	LA-Upland	43.91	124.17	-0.51
13448	LA-Upland	44.93	124.19	-0.51
13449	LA-Upland	45.82	124.20	-0.51
13450	LA-Upland	46.49	124.21	-0.51
13451	LA-Upland	46.78	124.22	-0.51
13452	LA-Upland	45.95	124.24	-0.51
13453	LA-Upland	44.80	124.25	-0.51
13454	LA-Upland	43.68	124.26	-0.49
13455	LA-Upland	42.17	124.27	-0.49
13456	LA-Upland	40.73	124.28	-0.49
13457	LA-Upland	39.75	124.29	-0.49
13458	LA-Upland	38.77	124.30	-0.49
13459	LA-Upland	37.85	124.32	-0.49
13460	LA-Upland	36.76	124.33	-0.49
13461	LA-Upland	35.67	124.34	-0.49
13462	LA-Upland	34.68	124.34	-0.49
13463	LA-Upland	34.10	124.35	0.38
13464	LA-Upland	34.55	124.36	0.38
13465	LA-Upland	35.05	124.37	0.38
13466	LA-Upland	35.13	124.38	0.38
13467	LA-Upland	34.09	124.39	0.38
13468	LA-Upland	33.06	124.40	0.38
13469	LA-Upland	31.05	124.41	0.38
13470	LA-Upland	28.08	124.42	0.38
13471	LA-Upland	25.53	124.42	0.38
13472	LA-Upland	24.80	124.43	0.38
13473	LA-Upland	24.16	124.44	0.38
13474	LA-Upland	23.03	124.44	0.38
13475	LA-Upland	21.70	124.45	1.47
13476	LA-Upland	20.12	124.46	1.47
13477	LA-Upland	18.39	124.46	1.47
13478	LA-Upland	17.48	124.47	1.47
13479	LA-Upland	16.44	124.47	1.47
13480	LA-Upland	14.97	124.47	1.47
13481	LA-Upland	13.32	124.48	1.47
13482	LA-Upland	11.48	124.48	1.47
13483	LA-Upland	9.13	124.48	1.47
13484	LA-Upland	5.83	124.49	1.47
13485	LA-Upland	3.42	124.49	1.47
13486	LA-Upland	1.67	124.49	1.47
13487	LA-Upland	1.35	124.49	1.47
13488	LA-Upland	1.56	124.49	1.47
13489	LA-Upland	1.09	124.49	1.47
13490	LA-Upland	0.00	124.49	1.47
13491	LA-Upland	0.00	124.49	1.47
13492	LA-Upland	0.00	124.49	1.47
13493	LA-Upland	0.00	124.49	1.47
13494	LA-Upland	0.00	124.49	1.47

Page 175 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
13573	LA-Upland	44.37	124.72	1.23
13574	LA-Upland	44.98	124.73	1.23
13575	LA-Upland	45.49	124.74	1.23
13576	LA-Upland	45.95	124.76	1.16
13577	LA-Upland	45.83	124.77	1.16
13578	LA-Upland	45.57	124.78	1.16
13579	LA-Upland	45.03	124.79	1.16
13580	LA-Upland	43.99	124.80	1.16
13581	LA-Upland	43.03	124.82	1.16
13582	LA-Upland	43.36	124.83	1.16
13583	LA-Upland	44.08	124.84	1.16
13584	LA-Upland	44.50	124.85	1.42
13585	LA-Upland	44.81	124.87	1.42
13586	LA-Upland	44.80	124.88	1.42
13587	LA-Upland	45.42	124.89	1.42
13588	LA-Upland	45.20	124.90	1.42
13589	LA-Upland	45.13	124.91	1.42
13590	LA-Upland	44.54	124.93	1.42
13591	LA-Upland	43.45	124.94	1.42
13592	LA-Upland	42.49	124.95	1.27
13593	LA-Upland	42.63	124.96	1.27
13594	LA-Upland	43.40	124.97	1.27
13595	LA-Upland	44.39	124.99	1.27
13596	LA-Upland	44.74	125.00	1.27
13597	LA-Upland	44.92	125.01	1.27
13598	LA-Upland	45.03	125.02	1.27
13599	LA-Upland	45.37	125.04	1.27
13600	LA-Upland	44.84	125.05	1.27
13601	LA-Upland	45.52	125.06	1.04
13602	LA-Upland	46.37	125.07	1.04
13603	LA-Upland	47.44	125.09	1.04
13604	LA-Upland	47.46	125.10	1.04
13605	LA-Upland	46.44	125.11	1.04
13606	LA-Upland	46.43	125.13	1.04
13607	LA-Upland	46.92	125.14	1.04
13608	LA-Upland	47.19	125.15	1.60
13609	LA-Upland	47.22	125.16	1.60
13610	LA-Upland	47.06	125.18	1.60
13611	LA-Upland	46.96	125.19	1.60
13612	LA-Upland	47.46	125.20	1.60
13613	LA-Upland	47.54	125.22	1.60
13614	LA-Upland	47.28	125.23	1.60
13615	LA-Upland	46.27	125.24	1.60
13616	LA-Upland	46.40	125.25	1.11
13617	LA-Upland	46.89	125.27	1.11
13618	LA-Upland	47.24	125.28	1.11
13619	LA-Upland	47.17	125.29	1.11
13620	LA-Upland	46.81	125.31	1.11
13621	LA-Upland	45.69	125.32	1.11
13622	LA-Upland	45.66	125.33	1.11
13623	LA-Upland	46.45	125.34	1.11
13624	LA-Upland	47.43	125.36	1.54
13625	LA-Upland	48.21	125.37	1.54
13626	LA-Upland	48.22	125.38	1.54
13627	LA-Upland	48.07	125.40	1.54
13628	LA-Upland	47.93	125.41	1.54
13629	LA-Upland	47.20	125.42	1.54
13630	LA-Upland	46.04	125.44	1.54
13631	LA-Upland	45.02	125.45	1.54
13632	LA-Upland	44.04	125.46	1.80
13633	LA-Upland	43.99	125.47	1.80
13634	LA-Upland	44.28	125.48	1.80
13635	LA-Upland	44.72	125.50	1.80
13636	LA-Upland	44.80	125.51	1.80
13637	LA-Upland	44.15	125.52	1.80
13638	LA-Upland	43.27	125.53	1.80
13639	LA-Upland	42.20	125.54	1.80
13640	LA-Upland	41.26	125.56	1.68
13641	LA-Upland	39.42	125.57	1.68
13642	LA-Upland	37.55	125.58	1.68
13643	LA-Upland	36.70	125.59	1.68
13644	LA-Upland	36.07	125.60	1.68
13645	LA-Upland	37.03	125.61	1.68
13646	LA-Upland	36.22	125.62	1.68
13647	LA-Upland	35.22	125.63	1.68
13648	LA-Upland	34.26	125.64	1.68
13649	LA-Upland	34.09	125.65	1.68
13650	LA-Upland	34.03	125.66	1.93

Page 174 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
13495	LA-Upland	0.14	124.49	1.47
13496	LA-Upland	0.00	124.49	1.47
13497	LA-Upland	0.00	124.49	1.47
13498	LA-Upland	0.00	124.49	1.47
13499	LA-Upland	0.00	124.49	1.47
13500	LA-Upland	0.00	124.49	1.47
13501	LA-Upland	0.00	124.49	1.47
13502	LA-Upland	0.00	124.49	1.47
13503	LA-Upland	0.00	124.49	1.47
13504	LA-Upland	0.00	124.49	1.47
13505	LA-Upland	0.00	124.49	1.47
13506	LA-Upland	0.00	124.49	1.47
13507	LA-Upland	0.00	124.49	1.47
13508	LA-Upland	0.00	124.49	1.47
13509	LA-Upland	0.00	124.49	1.47
13510	LA-Upland	0.00	124.49	1.47
13511	LA-Upland	0.00	124.49	1.47
13512	LA-Upland	0.00	124.49	1.47
13513	LA-Upland	0.00	124.49	1.47
13514	LA-Upland	0.00	124.49	1.47
13515	LA-Upland	0.00	124.49	1.47
13516	LA-Upland	0.00	124.49	1.47
13517	LA-Upland	0.00	124.49	1.47
13518	LA-Upland	0.00	124.49	1.47
13519	LA-Upland	0.00	124.49	1.47
13520	LA-Upland	0.00	124.49	1.47
13521	LA-Upland	0.00	124.49	1.47
13522	LA-Upland	0.00	124.49	1.47
13523	LA-Upland	0.00	124.49	1.47
13524	LA-Upland	0.00	124.49	1.47
13525	LA-Upland	0.00	124.49	1.47
13526	LA-Upland	0.00	124.49	1.47
13527	LA-Upland	0.00	124.49	1.47
13528	LA-Upland	0.00	124.49	1.47
13529	LA-Upland	0.00	124.49	1.47
13530	LA-Upland	0.00	124.49	1.47
13531	LA-Upland	0.00	124.49	1.47
13532	LA-Upland	0.00	124.49	1.47
13533	LA-Upland	0.00	124.49	1.47
13534	LA-Upland	0.00	124.49	1.47
13535	LA-Upland	0.00	124.49	1.47
13536	LA-Upland	0.00	124.49	1.47
13537	LA-Upland	0.00	124.49	1.47
13538	LA-Upland	0.00	124.49	1.47
13539	LA-Upland	0.00	124.49	1.47
13540	LA-Upland	0.00	124.49	1.47
13541	LA-Upland	0.00	124.49	1.47
13542	LA-Upland	0.00	124.49	1.47
13543	LA-Upland	0.00	124.49	1.47
13544	LA-Upland	0.00	124.49	1.47
13545	LA-Upland	0.00	124.49	1.47
13546	LA-Upland	0.00	124.49	1.47
13547	LA-Upland	3.66	124.49	1.47
13548	LA-Upland	9.27	124.49	1.47
13549	LA-Upland	13.49	124.50	1.47
13550	LA-Upland	16.50	124.50	1.47
13551	LA-Upland	19.28	124.50	1.47
13552	LA-Upland	22.55	124.51	1.47
13553	LA-Upland	24.79	124.52	1.47
13554	LA-Upland	24.67	124.52	1.47
13555	LA-Upland	24.80	124.53	1.47
13556	LA-Upland	27.19	124.54	1.47
13557	LA-Upland	30.43	124.55	1.47
13558	LA-Upland	32.67	124.56	1.60
13559	LA-Upland	34.23	124.57	1.60
13560	LA-Upland	35.61	124.58	1.60
13561	LA-Upland	36.23	124.59	1.60

Page 177 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
13729	LA-Upland	0.00	126.01	2.14
13730	LA-Upland	0.00	126.01	2.14
13731	LA-Upland	0.00	126.01	2.14
13732	LA-Upland	0.00	126.01	2.14
13733	LA-Upland	0.00	126.01	2.14
13734	LA-Upland	0.00	126.01	2.14
13735	LA-Upland	0.00	126.01	2.14
13736	LA-Upland	0.00	126.01	2.14
13737	LA-Upland	0.00	126.01	2.14
13738	LA-Upland	0.00	126.01	2.14
13739	LA-Upland	0.00	126.01	2.14
13740	LA-Upland	0.00	126.01	2.14
13741	LA-Upland	0.00	126.01	2.14
13742	LA-Upland	0.00	126.01	2.14
13743	LA-Upland	0.00	126.01	2.14
13744	LA-Upland	0.00	126.01	2.14
13745	LA-Upland	0.00	126.01	2.14
13746	LA-Upland	0.00	126.01	2.14
13747	LA-Upland	0.00	126.01	2.14
13748	LA-Upland	0.00	126.01	2.14
13749	LA-Upland	0.00	126.01	2.14
13750	LA-Upland	0.00	126.01	2.14
13751	LA-Upland	0.00	126.01	2.14
13752	LA-Upland	0.00	126.01	2.14
13753	LA-Upland	0.00	126.01	2.14
13754	LA-Upland	0.00	126.01	2.14
13755	LA-Upland	0.00	126.01	2.14
13756	LA-Upland	0.00	126.01	2.14
13757	LA-Upland	0.00	126.01	2.14
13758	LA-Upland	0.00	126.01	2.14
13759	LA-Upland	1.06	126.01	2.14
13760	LA-Upland	5.09	126.01	2.14
13761	LA-Upland	9.61	126.02	2.14
13762	LA-Upland	13.63	126.02	2.14
13763	LA-Upland	17.44	126.03	2.14
13764	LA-Upland	20.85	126.03	2.14
13765	LA-Upland	24.22	126.04	2.14
13766	LA-Upland	27.50	126.04	2.14
13767	LA-Upland	30.22	126.05	2.38
13768	LA-Upland	32.40	126.06	2.38
13769	LA-Upland	34.40	126.07	2.38
13770	LA-Upland	35.72	126.08	2.38
13771	LA-Upland	37.57	126.09	2.38
13772	LA-Upland	38.94	126.10	2.38
13773	LA-Upland	39.91	126.11	2.38
13774	LA-Upland	40.43	126.12	2.38
13775	LA-Upland	41.33	126.14	2.38
13776	LA-Upland	42.31	126.15	2.38
13777	LA-Upland	44.07	126.16	2.52
13778	LA-Upland	45.03	126.17	2.52
13779	LA-Upland	45.83	126.18	2.52
13780	LA-Upland	46.49	126.20	2.52
13781	LA-Upland	47.25	126.21	2.52
13782	LA-Upland	48.09	126.22	2.52
13783	LA-Upland	48.22	126.24	2.52
13784	LA-Upland	48.04	126.25	2.21
13785	LA-Upland	47.12	126.26	2.21
13786	LA-Upland	46.88	126.28	2.21
13787	LA-Upland	46.94	126.29	2.21
13788	LA-Upland	46.81	126.30	2.21
13789	LA-Upland	46.77	126.31	2.21
13790	LA-Upland	46.74	126.33	2.21
13791	LA-Upland	46.73	126.34	2.21
13792	LA-Upland	46.75	126.35	2.37
13793	LA-Upland	46.67	126.37	2.37
13794	LA-Upland	46.55	126.38	2.37
13795	LA-Upland	46.10	126.39	2.37
13796	LA-Upland	45.68	126.40	2.37
13797	LA-Upland	44.59	126.42	2.37
13798	LA-Upland	43.78	126.43	2.37
13799	LA-Upland	42.15	126.44	2.37
13800	LA-Upland	40.25	126.45	2.29
13801	LA-Upland	38.82	126.46	2.29
13802	LA-Upland	37.67	126.47	2.29
13803	LA-Upland	36.47	126.48	2.29
13804	LA-Upland	34.28	126.49	2.29
13805	LA-Upland	31.53	126.50	2.29
13806	LA-Upland	28.04	126.51	2.29

Page 179 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
13885	LA-Upland	49.43	126.81	0.27
13886	LA-Upland	50.02	126.82	0.27
13887	LA-Upland	50.86	126.84	0.27
13888	LA-Upland	51.59	126.85	0.55
13889	LA-Upland	52.25	126.87	0.55
13890	LA-Upland	52.13	126.88	0.55
13891	LA-Upland	51.13	126.89	0.55
13892	LA-Upland	52.03	126.91	0.55
13893	LA-Upland	52.57	126.92	0.55
13894	LA-Upland	52.57	126.94	0.55
13895	LA-Upland	53.14	126.95	-0.24
13896	LA-Upland	52.73	126.97	-0.24
13897	LA-Upland	52.07	126.98	-0.24
13898	LA-Upland	52.28	127.00	-0.24
13899	LA-Upland	52.49	127.01	-0.24
13900	LA-Upland	52.57	127.02	-0.24
13901	LA-Upland	52.54	127.04	-0.24
13902	LA-Upland	52.61	127.05	-0.36
13903	LA-Upland	52.80	127.07	-0.36
13904	LA-Upland	53.22	127.08	-0.36
13905	LA-Upland	53.69	127.10	-0.36
13906	LA-Upland	54.12	127.11	-0.36
13907	LA-Upland	54.53	127.13	-0.36
13908	LA-Upland	54.74	127.14	-0.36
13909	LA-Upland	54.34	127.16	1.02
13910	LA-Upland	52.99	127.17	1.02
13911	LA-Upland	51.47	127.19	1.02
13912	LA-Upland	49.86	127.20	1.02
13913	LA-Upland	47.74	127.21	1.02
13914	LA-Upland	44.33	127.22	1.02
13915	LA-Upland	40.23	127.24	1.02
13916	LA-Upland	35.81	127.25	1.02
13917	LA-Upland	31.74	127.25	0.73
13918	LA-Upland	28.40	127.26	0.73
13919	LA-Upland	25.21	127.27	0.73
13920	LA-Upland	22.00	127.28	0.73
13921	LA-Upland	18.84	127.28	0.73
13922	LA-Upland	14.81	127.28	0.73
13923	LA-Upland	11.03	127.29	0.73
13924	LA-Upland	7.29	127.29	0.73
13925	LA-Upland	3.83	127.29	0.73
13926	LA-Upland	1.67	127.29	0.73
13927	LA-Upland	0.17	127.29	0.73
13928	LA-Upland	0.00	127.29	0.73
13929	LA-Upland	0.00	127.29	0.73
13930	LA-Upland	0.00	127.29	0.73
13931	LA-Upland	0.00	127.29	0.73
13932	LA-Upland	0.00	127.29	0.73
13933	LA-Upland	0.00	127.29	0.73
13934	LA-Upland	0.00	127.29	0.73
13935	LA-Upland	0.00	127.29	0.73
13936	LA-Upland	0.00	127.29	0.73
13937	LA-Upland	0.00	127.29	0.73
13938	LA-Upland	0.00	127.29	0.73
13939	LA-Upland	0.00	127.29	0.73
13940	LA-Upland	0.00	127.29	0.73
13941	LA-Upland	0.00	127.29	0.73
13942	LA-Upland	0.00	127.29	0.73
13943	LA-Upland	0.00	127.29	0.73
13944	LA-Upland	0.00	127.29	0.73
13945	LA-Upland	0.00	127.29	0.73
13946	LA-Upland	0.00	127.29	0.73
13947	LA-Upland	0.00	127.29	0.73
13948	LA-Upland	0.00	127.29	0.73
13949	LA-Upland	0.00	127.29	0.73
13950	LA-Upland	0.00	127.29	0.73
13951	LA-Upland	0.00	127.29	0.73
13952	LA-Upland	0.00	127.29	0.73
13953	LA-Upland	2.50	127.29	0.73
13954	LA-Upland	8.58	127.29	0.73
13955	LA-Upland	14.60	127.30	0.73
13956	LA-Upland	18.83	127.30	0.73
13957	LA-Upland	22.73	127.31	0.73
13958	LA-Upland	25.89	127.32	0.73
13959	LA-Upland	28.62	127.32	0.73
13960	LA-Upland	29.73	127.33	0.73
13961	LA-Upland	31.78	127.34	0.73
13962	LA-Upland	33.47	127.35	3.00

Page 178 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
13807	LA-Upland	24.43	126.51	2.29
13808	LA-Upland	20.43	126.52	2.29
13809	LA-Upland	15.98	126.52	2.29
13810	LA-Upland	10.71	126.53	2.29
13811	LA-Upland	5.41	126.53	2.29
13812	LA-Upland	1.51	126.53	2.29
13813	LA-Upland	0.00	126.53	2.29
13814	LA-Upland	0.00	126.53	2.29
13815	LA-Upland	0.00	126.53	2.29
13816	LA-Upland	0.00	126.53	2.29
13817	LA-Upland	0.00	126.53	2.29
13818	LA-Upland	0.00	126.53	2.29
13819	LA-Upland	0.00	126.53	2.29
13820	LA-Upland	0.00	126.53	2.29
13821	LA-Upland	0.00	126.53	2.29
13822	LA-Upland	0.00	126.53	2.29
13823	LA-Upland	0.00	126.53	2.29
13824	LA-Upland	0.00	126.53	2.29
13825	LA-Upland	0.00	126.53	2.29
13826	LA-Upland	0.00	126.53	2.29
13827	LA-Upland	0.00	126.53	2.29
13828	LA-Upland	0.00	126.53	2.29
13829	LA-Upland	0.00	126.53	2.29
13830	LA-Upland	0.00	126.53	2.29
13831	LA-Upland	0.00	126.53	2.29
13832	LA-Upland	0.00	126.53	2.29
13833	LA-Upland	0.00	126.53	2.29
13834	LA-Upland	0.00	126.53	2.29
13835	LA-Upland	0.00	126.53	2.29
13836	LA-Upland	0.00	126.53	2.29
13837	LA-Upland	0.00	126.53	2.29
13838	LA-Upland	0.00	126.53	2.29
13839	LA-Upland	0.00	126.53	2.29
13840	LA-Upland	0.00	126.53	2.29
13841	LA-Upland	0.00	126.53	2.29
13842	LA-Upland	0.00	126.53	2.29
13843	LA-Upland	0.00	126.53	2.29
13844	LA-Upland	0.00	126.53	2.29
13845	LA-Upland	0.00	126.53	2.29
13846	LA-Upland	0.00	126.53	2.29
13847	LA-Upland	0.00	126.53	2.29
13848	LA-Upland	0.00	126.53	2.29
13849	LA-Upland	0.00	126.53	2.29
13850	LA-Upland	0.00	126.53	2.29
13851	LA-Upland	0.00	126.53	2.29
13852	LA-Upland	0.00	126.53	2.29
13853	LA-Upland	0.00	126.53	2.29
13854	LA-Upland	0.00	126.53	2.29
13855	LA-Upland	0.00	126.53	2.29
13856	LA-Upland	0.00	126.53	2.29
13857	LA-Upland	0.00	126.53	2.29
13858	LA-Upland	1.48	126.53	2.29
13859	LA-Upland	7.64	126.53	2.29
13860	LA-Upland	13.75	126.54	2.29
13861	LA-Upland	16.75	126.54	2.29
13862	LA-Upland	18.48	126.55	2.29
13863	LA-Upland	19.57	126.55	2.81
13864	LA-Upland	21.31	126.56	2.81
13865	LA-Upland	24.14	126.56	2.81
13866	LA-Upland	27.79	126.57	2.81
13867	LA-Upland	31.42	126.58	2.81
13868	LA-Upland	34.87	126.59	2.81
13869	LA-Upland	38.06	126.60	2.81
13870	LA-Upland	41.10	126.61	2.81
13871	LA-Upland	43.44	126.62	2.81
13872	LA-Upland	45.41	126.64	2.81
13873	LA-Upland	46.95	126.65	1.48
13874	LA-Upland	48.04	126.66	1.48
13875	LA-Upland	48.59	126.67	1.48
13876	LA-Upland	47.83	126.69	1.48
13877	LA-Upland	47.64	126.70	1.48
13878	LA-Upland	46.63	126.71	1.48
13879	LA-Upland	45.45	126.73	1.48
13880	LA-Upland	49.19	126.74	1.48
13881	LA-Upland	48.83	126.76	0.27
13882	LA-Upland	49.32	126.77	0.27
13883	LA-Upland	49.19	126.78	0.27
13884	LA-Upland	49.89	126.80	0.27

Page 181 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
14041	LA-Upland	38.35	128.03	0.19
14042	LA-Upland	38.12	128.04	0.19
14043	LA-Upland	38.46	128.05	0.19
14044	LA-Upland	38.78	128.06	1.18
14045	LA-Upland	38.08	128.07	1.18
14046	LA-Upland	38.54	128.08	1.18
14047	LA-Upland	39.12	128.09	1.18
14048	LA-Upland	39.02	128.10	1.18
14049	LA-Upland	38.77	128.11	1.18
14050	LA-Upland	39.08	128.12	1.18
14051	LA-Upland	39.52	128.13	1.18
14052	LA-Upland	39.40	128.14	1.18
14053	LA-Upland	38.95	128.16	0.78
14054	LA-Upland	38.91	128.17	0.78
14055	LA-Upland	39.31	128.18	0.78
14056	LA-Upland	39.34	128.19	0.78
14057	LA-Upland	38.50	128.20	0.78
14058	LA-Upland	37.67	128.21	0.78
14059	LA-Upland	36.82	128.22	0.78
14060	LA-Upland	34.76	128.23	0.78
14061	LA-Upland	22.25	128.24	0.78
14062	LA-Upland	31.31	128.25	0.78
14063	LA-Upland	30.55	128.25	0.51
14064	LA-Upland	29.95	128.26	0.51
14065	LA-Upland	29.49	128.27	0.51
14066	LA-Upland	28.67	128.28	0.51
14067	LA-Upland	27.02	128.29	0.51
14068	LA-Upland	25.05	128.29	0.51
14069	LA-Upland	22.84	128.30	0.51
14070	LA-Upland	20.16	128.30	0.51
14071	LA-Upland	17.64	128.31	0.51
14072	LA-Upland	13.70	128.31	0.51
14073	LA-Upland	10.55	128.32	0.51
14074	LA-Upland	6.89	128.32	0.51
14075	LA-Upland	3.78	128.32	0.51
14076	LA-Upland	1.44	128.32	0.51
14077	LA-Upland	0.00	128.32	0.51
14078	LA-Upland	0.00	128.32	0.51
14079	LA-Upland	0.00	128.32	0.51
14080	LA-Upland	0.00	128.32	0.51
14081	LA-Upland	0.00	128.32	0.51
14082	LA-Upland	0.00	128.32	0.51
14083	LA-Upland	0.00	128.32	0.51
14084	LA-Upland	0.00	128.32	0.51
14085	LA-Upland	0.00	128.32	0.51
14086	LA-Upland	0.00	128.32	0.51
14087	LA-Upland	0.00	128.32	0.51
14088	LA-Upland	0.00	128.32	0.51
14089	LA-Upland	0.00	128.32	0.51
14090	LA-Upland	0.00	128.32	0.51
14091	LA-Upland	0.00	128.32	0.51
14092	LA-Upland	0.00	128.32	0.51
14093	LA-Upland	0.00	128.32	0.51
14094	LA-Upland	0.00	128.32	0.51
14095	LA-Upland	0.00	128.32	0.51
14096	LA-Upland	0.00	128.32	0.51
14097	LA-Upland	0.00	128.32	0.51
14098	LA-Upland	0.00	128.32	0.51
14099	LA-Upland	0.00	128.32	0.51
14100	LA-Upland	0.00	128.32	0.51
14101	LA-Upland	0.00	128.32	0.51
14102	LA-Upland	0.00	128.32	0.51
14103	LA-Upland	0.00	128.32	0.51
14104	LA-Upland	0.00	128.32	0.51
14105	LA-Upland	0.00	128.32	0.51
14106	LA-Upland	0.00	128.32	0.51
14107	LA-Upland	0.00	128.32	0.51
14108	LA-Upland	0.00	128.32	0.51
14109	LA-Upland	0.00	128.32	0.51
14110	LA-Upland	0.00	128.32	0.51
14111	LA-Upland	0.00	128.32	0.51
14112	LA-Upland	0.00	128.32	0.51
14113	LA-Upland	0.00	128.32	0.51
14114	LA-Upland	0.00	128.32	0.51
14115	LA-Upland	0.00	128.32	0.51
14116	LA-Upland	0.00	128.32	0.51
14117	LA-Upland	0.00	128.32	0.51
14118	LA-Upland	0.00	128.32	0.51

Page 183 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
14197	LA-Upland	29.67	128.51	0.58
14198	LA-Upland	31.60	128.52	0.58
14199	LA-Upland	32.82	128.52	0.58
14200	LA-Upland	33.16	128.53	0.58
14201	LA-Upland	33.91	128.54	0.58
14202	LA-Upland	35.19	128.55	0.31
14203	LA-Upland	36.00	128.56	0.31
14204	LA-Upland	35.85	128.57	0.31
14205	LA-Upland	35.32	128.58	0.31
14206	LA-Upland	34.86	128.59	0.31
14207	LA-Upland	34.03	128.60	0.31
14208	LA-Upland	34.01	128.61	0.31
14209	LA-Upland	34.67	128.62	0.31
14210	LA-Upland	35.38	128.63	0.31
14211	LA-Upland	36.43	128.64	0.31
14212	LA-Upland	37.62	128.65	0.31
14213	LA-Upland	39.28	128.66	0.38
14214	LA-Upland	40.75	128.67	0.38
14215	LA-Upland	41.49	128.68	0.38
14216	LA-Upland	41.38	128.69	0.38
14217	LA-Upland	40.85	128.71	0.38
14218	LA-Upland	41.38	128.72	0.38
14219	LA-Upland	40.99	128.73	0.38
14220	LA-Upland	40.01	128.74	0.38
14221	LA-Upland	39.13	128.75	0.20
14222	LA-Upland	38.77	128.76	0.20
14223	LA-Upland	39.15	128.77	0.20
14224	LA-Upland	38.50	128.78	0.20
14225	LA-Upland	37.47	128.79	0.20
14226	LA-Upland	35.48	128.80	0.20
14227	LA-Upland	32.60	128.81	0.20
14228	LA-Upland	29.45	128.82	0.20
14229	LA-Upland	26.48	128.83	0.20
14230	LA-Upland	23.52	128.83	0.20
14231	LA-Upland	20.71	128.84	0.20
14232	LA-Upland	18.00	128.84	0.20
14233	LA-Upland	16.50	128.85	0.20
14234	LA-Upland	15.11	128.85	0.59
14235	LA-Upland	13.15	128.86	0.59
14236	LA-Upland	10.75	128.86	0.59
14237	LA-Upland	8.35	128.86	0.59
14238	LA-Upland	5.73	128.86	0.59
14239	LA-Upland	4.33	128.86	0.59
14240	LA-Upland	3.27	128.86	0.59
14241	LA-Upland	2.36	128.87	0.59
14242	LA-Upland	1.79	128.87	0.59
14243	LA-Upland	0.57	128.87	0.59
14244	LA-Upland	0.00	128.87	0.59
14245	LA-Upland	0.00	128.87	0.59
14246	LA-Upland	0.00	128.87	0.59
14247	LA-Upland	0.00	128.87	0.59
14248	LA-Upland	0.00	128.87	0.59
14249	LA-Upland	0.00	128.87	0.59
14250	LA-Upland	0.00	128.87	0.59
14251	LA-Upland	0.00	128.87	0.59
14252	LA-Upland	0.00	128.87	0.59
14253	LA-Upland	0.00	128.87	0.59
14254	LA-Upland	0.00	128.87	0.59
14255	LA-Upland	0.00	128.87	0.59
14256	LA-Upland	0.00	128.87	0.59
14257	LA-Upland	0.00	128.87	0.59
14258	LA-Upland	0.00	128.87	0.59
14259	LA-Upland	1.95	128.87	0.59
14260	LA-Upland	7.42	128.87	0.59
14261	LA-Upland	13.17	128.87	0.59
14262	LA-Upland	17.27	128.88	0.59
14263	LA-Upland	20.84	128.88	0.59
14264	LA-Upland	24.09	128.89	0.59
14265	LA-Upland	26.86	128.90	0.59
14266	LA-Upland	29.43	128.90	0.59
14267	LA-Upland	31.95	128.91	0.59
14268	LA-Upland	33.87	128.92	0.59
14269	LA-Upland	34.98	128.93	0.59
14270	LA-Upland	34.73	128.94	0.59
14271	LA-Upland	35.12	128.95	0.48
14272	LA-Upland	35.01	128.96	0.48
14273	LA-Upland	34.10	128.97	0.48
14274	LA-Upland	34.12	128.98	0.48

Page 182 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
14119	LA-Upland	0.00	128.32	0.51
14120	LA-Upland	0.00	128.32	0.51
14121	LA-Upland	0.00	128.32	0.51
14122	LA-Upland	0.00	128.32	0.51
14123	LA-Upland	0.00	128.32	0.51
14124	LA-Upland	0.00	128.32	0.51
14125	LA-Upland	0.00	128.32	0.51
14126	LA-Upland	0.00	128.32	0.51
14127	LA-Upland	0.00	128.32	0.51
14128	LA-Upland	0.00	128.32	0.51
14129	LA-Upland	0.00	128.32	0.51
14130	LA-Upland	0.00	128.32	0.51
14131	LA-Upland	0.00	128.32	0.51
14132	LA-Upland	0.00	128.32	0.51
14133	LA-Upland	0.00	128.32	0.51
14134	LA-Upland	0.00	128.32	0.51
14135	LA-Upland	0.00	128.32	0.51
14136	LA-Upland	0.00	128.32	0.51
14137	LA-Upland	0.00	128.32	0.51
14138	LA-Upland	1.32	128.32	0.51
14139	LA-Upland	6.61	128.32	0.51
14140	LA-Upland	11.30	128.32	0.51
14141	LA-Upland	14.52	128.33	0.51
14142	LA-Upland	17.14	128.33	0.51
14143	LA-Upland	19.67	128.34	0.51
14144	LA-Upland	22.21	128.34	0.51
14145	LA-Upland	24.53	128.35	0.35
14146	LA-Upland	26.60	128.36	0.35
14147	LA-Upland	28.21	128.37	0.35
14148	LA-Upland	29.55	128.37	0.35
14149	LA-Upland	31.15	128.38	0.35
14150	LA-Upland	32.62	128.39	0.35
14151	LA-Upland	32.15	128.40	0.35
14152	LA-Upland	30.10	128.41	0.35
14153	LA-Upland	27.38	128.42	0.35
14154	LA-Upland	25.14	128.42	0.35
14155	LA-Upland	23.19	128.43	0.35
14156	LA-Upland	21.34	128.44	0.35
14157	LA-Upland	19.31	128.44	0.35
14158	LA-Upland	17.07	128.45	0.35
14159	LA-Upland	14.55	128.45	0.35
14160	LA-Upland	11.70	128.45	0.58
14161	LA-Upland	9.40	128.46	0.58
14162	LA-Upland	7.31	128.46	0.58
14163	LA-Upland	6.03	128.46	0.58
14164	LA-Upland	5.77	128.46	0.58
14165	LA-Upland	5.35	128.46	0.58
14166	LA-Upland	4.41	128.46	0.58
14167	LA-Upland	3.25	128.46	0.58
14168	LA-Upland	1.61	128.46	0.58
14169	LA-Upland	0.00	128.46	0.58
14170	LA-Upland	0.00	128.46	0.58
14171	LA-Upland	0.00	128.46	0.58
14172	LA-Upland	0.00	128.46	0.58
14173	LA-Upland	0.00	128.46	0.58
14174	LA-Upland	0.00	128.46	0.58
14175	LA-Upland	0.00	128.46	0.58
14176	LA-Upland	0.00	128.46	0.58
14177	LA-Upland	0.00	128.46	0.58
14178	LA-Upland	0.00	128.46	0.58
14179	LA-Upland	0.00	128.46	0.58
14180	LA-Upland	0.00	128.46	0.58
14181	LA-Upland	0.00	128.46	0.58
14182	LA-Upland	0.00	128.46	0.58
14183	LA-Upland	0.00	128.46	0.58
14184	LA-Upland	0.00	128.46	0.58
14185	LA-Upland	0.00	128.46	0.58
14186	LA-Upland	0.00	128.46	0.58
14187	LA-Upland	0.00	128.46	0.58
14188	LA-Upland	0.00	128.46	0.58
14189	LA-Upland	1.52	128.47	0.58
14190	LA-Upland	6.04	128.47	0.58
14191	LA-Upland	10.45	128.47	0.58
14192	LA-Upland	13.81	128.47	0.58
14193	LA-Upland	17.12	128.48	0.58
14194	LA-Upland	20.82	128.48	0.58
14195	LA-Upland	24.31	128.49	0.58
14196	LA-Upland	27.45	128.50	0.58

Page 185 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
14353	LA-Upland	0.00	129.43	0.32
14354	LA-Upland	0.00	129.43	0.32
14355	LA-Upland	0.00	129.43	0.32
14356	LA-Upland	0.00	129.43	0.32
14357	LA-Upland	0.00	129.43	0.32
14358	LA-Upland	0.00	129.43	0.32
14359	LA-Upland	0.00	129.43	0.32
14360	LA-Upland	0.00	129.43	0.32
14361	LA-Upland	0.00	129.43	0.32
14362	LA-Upland	0.00	129.43	0.32
14363	LA-Upland	0.00	129.43	0.32
14364	LA-Upland	0.00	129.43	0.32
14365	LA-Upland	0.00	129.43	0.32
14366	LA-Upland	0.00	129.43	0.32
14367	LA-Upland	0.00	129.43	0.32
14368	LA-Upland	0.00	129.43	0.32
14369	LA-Upland	0.00	129.43	0.32
14370	LA-Upland	0.00	129.43	0.32
14371	LA-Upland	0.00	129.43	0.32
14372	LA-Upland	0.00	129.43	0.32
14373	LA-Upland	0.00	129.43	0.32
14374	LA-Upland	0.00	129.43	0.32
14375	LA-Upland	0.00	129.43	0.32
14376	LA-Upland	0.00	129.43	0.32
14377	LA-Upland	0.00	129.43	0.32
14378	LA-Upland	0.00	129.43	0.32
14379	LA-Upland	0.00	129.43	0.32
14380	LA-Upland	0.00	129.43	0.32
14381	LA-Upland	0.00	129.43	0.32
14382	LA-Upland	0.00	129.43	0.32
14383	LA-Upland	0.00	129.43	0.32
14384	LA-Upland	0.00	129.43	0.32
14385	LA-Upland	0.00	129.43	0.32
14386	LA-Upland	0.00	129.43	0.32
14387	LA-Upland	0.00	129.43	0.32
14388	LA-Upland	0.00	129.43	0.32
14389	LA-Upland	0.00	129.43	0.32
14390	LA-Upland	0.00	129.43	0.32
14391	LA-Upland	0.00	129.43	0.32
14392	LA-Upland	0.00	129.43	0.32
14393	LA-Upland	0.00	129.43	0.32
14394	LA-Upland	0.00	129.43	0.32
14395	LA-Upland	0.14	129.43	0.32
14396	LA-Upland	3.13	129.43	0.32
14397	LA-Upland	8.39	129.43	0.32
14398	LA-Upland	13.36	129.43	0.32
14399	LA-Upland	16.73	129.44	0.32
14400	LA-Upland	19.14	129.44	0.32
14401	LA-Upland	20.95	129.45	0.32
14402	LA-Upland	22.91	129.46	0.43
14403	LA-Upland	25.40	129.46	0.43
14404	LA-Upland	27.80	129.47	0.43
14405	LA-Upland	29.42	129.48	0.43
14406	LA-Upland	30.34	129.49	0.43
14407	LA-Upland	29.69	129.50	0.43
14408	LA-Upland	28.85	129.50	0.43
14409	LA-Upland	28.31	129.51	0.43
14410	LA-Upland	28.05	129.52	0.43
14411	LA-Upland	27.55	129.53	0.43
14412	LA-Upland	28.50	129.53	0.43
14413	LA-Upland	30.11	129.54	0.43
14414	LA-Upland	31.75	129.55	0.80
14415	LA-Upland	32.75	129.56	0.80
14416	LA-Upland	32.78	129.57	0.80
14417	LA-Upland	31.56	129.58	0.80
14418	LA-Upland	31.84	129.59	0.80
14419	LA-Upland	32.99	129.60	0.80
14420	LA-Upland	32.83	129.60	0.80
14421	LA-Upland	32.10	129.61	0.80
14422	LA-Upland	31.29	129.62	0.80
14423	LA-Upland	30.06	129.63	0.80
14424	LA-Upland	27.82	129.64	0.80
14425	LA-Upland	24.60	129.64	0.80
14426	LA-Upland	21.49	129.65	-0.24
14427	LA-Upland	18.11	129.66	-0.24
14428	LA-Upland	15.67	129.66	-0.24
14429	LA-Upland	13.48	129.66	-0.24
14430	LA-Upland	11.09	129.67	-0.24

Page 187 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
14509	LA-Upland	40.59	130.12	0.29
14510	LA-Upland	41.30	130.14	0.29
14511	LA-Upland	41.29	130.15	0.29
14512	LA-Upland	40.53	130.16	0.34
14513	LA-Upland	40.73	130.17	0.34
14514	LA-Upland	41.31	130.18	0.34
14515	LA-Upland	42.82	130.19	0.34
14516	LA-Upland	42.15	130.20	0.34
14517	LA-Upland	42.71	130.22	0.34
14518	LA-Upland	43.26	130.23	0.34
14519	LA-Upland	43.73	130.24	0.34
14520	LA-Upland	43.17	130.25	0.49
14521	LA-Upland	42.51	130.26	0.49
14522	LA-Upland	42.84	130.28	0.49
14523	LA-Upland	43.28	130.29	0.49
14524	LA-Upland	43.13	130.30	0.49
14525	LA-Upland	42.42	130.31	0.49
14526	LA-Upland	41.65	130.32	0.49
14527	LA-Upland	41.32	130.33	0.49
14528	LA-Upland	41.30	130.34	0.49
14529	LA-Upland	40.78	130.36	0.19
14530	LA-Upland	39.97	130.37	0.19
14531	LA-Upland	39.11	130.38	0.19
14532	LA-Upland	38.47	130.39	0.19
14533	LA-Upland	38.90	130.40	0.19
14534	LA-Upland	39.50	130.41	0.19
14535	LA-Upland	39.81	130.42	0.19
14536	LA-Upland	39.32	130.43	0.19
14537	LA-Upland	38.83	130.44	0.19
14538	LA-Upland	39.06	130.45	0.03
14539	LA-Upland	38.12	130.46	0.03
14540	LA-Upland	37.64	130.47	0.03
14541	LA-Upland	37.51	130.48	0.03
14542	LA-Upland	36.88	130.49	0.03
14543	LA-Upland	36.16	130.50	0.03
14544	LA-Upland	35.47	130.51	0.03
14545	LA-Upland	34.83	130.52	0.03
14546	LA-Upland	34.12	130.53	0.03
14547	LA-Upland	32.56	130.54	0.03
14548	LA-Upland	30.41	130.55	-0.35
14549	LA-Upland	27.79	130.56	-0.35
14550	LA-Upland	23.92	130.56	-0.35
14551	LA-Upland	19.33	130.57	-0.35
14552	LA-Upland	14.30	130.57	-0.35
14553	LA-Upland	10.92	130.58	-0.35
14554	LA-Upland	9.40	130.58	-0.35
14555	LA-Upland	6.14	130.58	-0.35
14556	LA-Upland	3.42	130.58	-0.35
14557	LA-Upland	1.23	130.58	-0.35
14558	LA-Upland	0.00	130.58	-0.35
14559	LA-Upland	0.00	130.58	-0.35
14560	LA-Upland	0.00	130.58	-0.35
14561	LA-Upland	0.00	130.58	-0.35
14562	LA-Upland	0.00	130.58	-0.35
14563	LA-Upland	0.00	130.58	-0.35
14564	LA-Upland	0.00	130.58	-0.35
14565	LA-Upland	0.00	130.58	-0.35
14566	LA-Upland	0.00	130.58	-0.35
14567	LA-Upland	0.00	130.58	-0.35
14568	LA-Upland	0.00	130.58	-0.35
14569	LA-Upland	0.00	130.58	-0.35
14570	LA-Upland	0.00	130.58	-0.35
14571	LA-Upland	0.00	130.58	-0.35
14572	LA-Upland	0.00	130.58	-0.35
14573	LA-Upland	0.00	130.58	-0.35
14574	LA-Upland	0.00	130.58	-0.35
14575	LA-Upland	0.00	130.58	-0.35
14576	LA-Upland	0.00	130.58	-0.35
14577	LA-Upland	0.00	130.58	-0.35
14578	LA-Upland	0.00	130.58	-0.35
14579	LA-Upland	0.00	130.58	-0.35
14580	LA-Upland	0.00	130.58	-0.35
14581	LA-Upland	0.00	130.58	-0.35
14582	LA-Upland	0.00	130.58	-0.35
14583	LA-Upland	0.00	130.58	-0.35
14584	LA-Upland	0.00	130.58	-0.35
14585	LA-Upland	0.00	130.58	-0.35
14586	LA-Upland	0.00	130.58	-0.35

Page 186 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
14431	LA-Upland	8.86	129.67	-0.24
14432	LA-Upland	6.70	129.67	-0.24
14433	LA-Upland	5.20	129.67	-0.24
14434	LA-Upland	4.26	129.67	-0.24
14435	LA-Upland	3.12	129.67	-0.24
14436	LA-Upland	1.71	129.68	-0.24
14437	LA-Upland	0.17	129.68	-0.24
14438	LA-Upland	0.00	129.68	-0.24
14439	LA-Upland	0.00	129.68	-0.24
14440	LA-Upland	0.00	129.68	-0.24
14441	LA-Upland	0.00	129.68	-0.24
14442	LA-Upland	0.00	129.68	-0.24
14443	LA-Upland	0.00	129.68	-0.24
14444	LA-Upland	0.00	129.68	-0.24
14445	LA-Upland	0.00	129.68	-0.24
14446	LA-Upland	0.00	129.68	-0.24
14447	LA-Upland	0.00	129.68	-0.24
14448	LA-Upland	0.00	129.68	-0.24
14449	LA-Upland	0.00	129.68	-0.24
14450	LA-Upland	0.00	129.68	-0.24
14451	LA-Upland	0.00	129.68	-0.24
14452	LA-Upland	0.00	129.68	-0.24
14453	LA-Upland	0.00	129.68	-0.24
14454	LA-Upland	0.22	129.68	-0.24
14455	LA-Upland	3.49	129.68	-0.24
14456	LA-Upland	7.47	129.68	-0.24
14457	LA-Upland	8.18	129.68	-0.24
14458	LA-Upland	8.43	129.68	-0.24
14459	LA-Upland	11.22	129.69	-0.24
14460	LA-Upland	14.03	129.69	-0.24
14461	LA-Upland	16.28	129.69	-0.24
14462	LA-Upland	18.72	129.70	-0.24
14463	LA-Upland	20.64	129.70	-0.24
14464	LA-Upland	22.24	129.71	-0.24
14465	LA-Upland	23.77	129.72	-0.24
14466	LA-Upland	25.34	129.72	-0.24
14467	LA-Upland	26.83	129.73	-0.24
14468	LA-Upland	28.03	129.74	-0.24
14469	LA-Upland	28.48	129.75	-0.24
14470	LA-Upland	27.70	129.76	0.09
14471	LA-Upland	26.79	129.76	0.09
14472	LA-Upland	26.46	129.77	0.09
14473	LA-Upland	26.32	129.78	0.09
14474	LA-Upland	26.88	129.78	0.09
14475	LA-Upland	27.66	129.79	0.09
14476	LA-Upland	28.50	129.80	0.09
14477	LA-Upland	29.12	129.81	0.09
14478	LA-Upland	29.72	129.82	0.09
14479	LA-Upland	30.38	129.82	0.09
14480	LA-Upland	30.98	129.83	0.09
14481	LA-Upland	31.75	129.84	0.09
14482	LA-Upland	32.49	129.85	0.64
14483	LA-Upland	33.42	129.86	0.64
14484	LA-Upland	34.37	129.87	0.64
14485	LA-Upland	34.03	129.88	0.64
14486	LA-Upland	33.57	129.89	0.64
14487	LA-Upland	34.21	129.90	0.64
14488	LA-Upland	34.97	129.91	0.64
14489	LA-Upland	35.86	129.92	0.64
14490	LA-Upland	36.04	129.93	0.64
14491	LA-Upland	36.45	129.94	0.64
14492	LA-Upland	36.82	129.95	0.64
14493	LA-Upland	36.73	129.96	0.44
14494	LA-Upland	35.85	129.97	0.44
14495	LA-Upland	35.15	129.98	0.44
14496	LA-Upland	35.44	129.99	0.44
14497	LA-Upland	34.95	130.00	0.44
14498	LA-Upland	35.39	130.01	0.44
14499	LA-Upland	36.78	130.02	0.44
14500	LA-Upland	39.05	130.03	0.44
14501	LA-Upland	40.52	130.04	0.44
14502	LA-Upland	40.02	130.05	0.44
14503	LA-Upland	39.34	130.06	0.29
14504	LA-Upland	39.21	130.07	0.29
14505	LA-Upland	39.82	130.08	0.29
14506	LA-Upland	39.38	130.09	0.29
14507	LA-Upland	39.19	130.10	0.29
14508	LA-Upland	39.96	130.11	0.29

Page 189 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
14665	LA-Upland	50.55	131.09	0.09
14666	LA-Upland	49.87	131.11	0.09
14667	LA-Upland	49.22	131.12	0.09
14668	LA-Upland	48.78	131.13	0.09
14669	LA-Upland	47.55	131.15	0.09
14670	LA-Upland	45.83	131.16	-0.37
14671	LA-Upland	43.74	131.17	-0.37
14672	LA-Upland	41.46	131.18	-0.37
14673	LA-Upland	39.12	131.19	-0.37
14674	LA-Upland	36.76	131.20	-0.37
14675	LA-Upland	34.89	131.21	-0.37
14676	LA-Upland	34.28	131.22	-0.37
14677	LA-Upland	33.53	131.23	-0.37
14678	LA-Upland	32.94	131.24	-0.37
14679	LA-Upland	31.75	131.25	-0.37
14680	LA-Upland	30.63	131.26	-0.51
14681	LA-Upland	30.01	131.26	-0.51
14682	LA-Upland	28.57	131.27	-0.51
14683	LA-Upland	26.53	131.28	-0.51
14684	LA-Upland	23.75	131.29	-0.51
14685	LA-Upland	21.42	131.29	-0.51
14686	LA-Upland	18.99	131.30	-0.51
14687	LA-Upland	15.70	131.30	-0.51
14688	LA-Upland	13.05	131.31	-0.51
14689	LA-Upland	11.14	131.31	-0.51
14690	LA-Upland	9.57	131.31	-0.51
14691	LA-Upland	7.79	131.31	-0.51
14692	LA-Upland	6.05	131.31	-0.51
14693	LA-Upland	4.92	131.32	-0.51
14694	LA-Upland	4.02	131.32	-0.51
14695	LA-Upland	3.26	131.32	-0.51
14696	LA-Upland	2.38	131.32	-0.51
14697	LA-Upland	1.64	131.32	-0.51
14698	LA-Upland	2.32	131.32	-0.51
14699	LA-Upland	4.50	131.32	-0.51
14700	LA-Upland	7.86	131.32	-0.51
14701	LA-Upland	11.19	131.33	-0.51
14702	LA-Upland	14.94	131.33	-0.51
14703	LA-Upland	18.36	131.34	-0.51
14704	LA-Upland	21.78	131.34	-0.51
14705	LA-Upland	24.85	131.35	-0.51
14706	LA-Upland	27.26	131.36	-0.63
14707	LA-Upland	29.56	131.36	-0.63
14708	LA-Upland	31.18	131.37	-0.63
14709	LA-Upland	32.08	131.38	-0.63
14710	LA-Upland	32.21	131.39	-0.63
14711	LA-Upland	32.40	131.40	-0.63
14712	LA-Upland	31.69	131.41	-0.63
14713	LA-Upland	30.83	131.42	-0.63
14714	LA-Upland	30.45	131.42	-0.63
14715	LA-Upland	29.64	131.43	-0.63
14716	LA-Upland	28.47	131.44	-0.63
14717	LA-Upland	27.72	131.45	-0.63
14718	LA-Upland	28.15	131.46	-0.41
14719	LA-Upland	28.99	131.46	-0.41
14720	LA-Upland	30.36	131.47	-0.41
14721	LA-Upland	31.90	131.48	-0.41
14722	LA-Upland	33.47	131.49	-0.41
14723	LA-Upland	34.94	131.50	-0.41
14724	LA-Upland	36.13	131.51	-0.41
14725	LA-Upland	37.13	131.52	-0.41
14726	LA-Upland	38.09	131.53	-0.41
14727	LA-Upland	38.34	131.54	-0.41
14728	LA-Upland	37.93	131.55	-0.23
14729	LA-Upland	36.79	131.56	-0.23
14730	LA-Upland	34.46	131.57	-0.23
14731	LA-Upland	31.02	131.58	-0.23
14732	LA-Upland	27.19	131.59	-0.23
14733	LA-Upland	23.38	131.59	-0.23
14734	LA-Upland	19.10	131.60	-0.23
14735	LA-Upland	16.24	131.60	-0.23
14736	LA-Upland	16.07	131.61	-0.23
14737	LA-Upland	18.14	131.61	-0.23
14738	LA-Upland	22.37	131.62	-0.23
14739	LA-Upland	27.81	131.63	-0.23
14740	LA-Upland	32.72	131.64	-0.23
14741	LA-Upland	36.07	131.65	-0.23
14742	LA-Upland	39.19	131.66	-0.29

Page 191 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
14821	LA-Upland	19.02	132.62	4.05
14822	LA-Upland	21.60	132.63	4.05
14823	LA-Upland	23.51	132.63	4.05
14824	LA-Upland	24.98	132.64	4.05
14825	LA-Upland	25.70	132.65	4.05
14826	LA-Upland	24.82	132.65	6.26
14827	LA-Upland	22.90	132.66	6.26
14828	LA-Upland	20.34	132.67	6.26
14829	LA-Upland	18.04	132.67	6.26
14830	LA-Upland	15.66	132.67	6.26
14831	LA-Upland	12.93	132.68	6.26
14832	LA-Upland	9.21	132.68	6.26
14833	LA-Upland	5.68	132.68	6.26
14834	LA-Upland	3.13	132.68	6.26
14835	LA-Upland	0.84	132.68	6.26
14836	LA-Upland	0.00	132.68	6.26
14837	LA-Upland	0.00	132.68	6.26
14838	LA-Upland	0.00	132.68	6.26
14839	LA-Upland	0.00	132.68	6.26
14840	LA-Upland	0.00	132.68	6.26
14841	LA-Upland	0.00	132.68	6.26
14842	LA-Upland	0.00	132.68	6.26
14843	LA-Upland	0.00	132.68	6.26
14844	LA-Upland	0.00	132.68	6.26
14845	LA-Upland	0.00	132.68	6.26
14846	LA-Upland	0.00	132.68	6.26
14847	LA-Upland	0.00	132.68	6.26
14848	LA-Upland	0.00	132.68	6.26
14849	LA-Upland	0.00	132.68	6.26
14850	LA-Upland	0.00	132.68	6.26
14851	LA-Upland	0.00	132.68	6.26
14852	LA-Upland	0.00	132.68	6.26
14853	LA-Upland	0.00	132.68	6.26
14854	LA-Upland	0.00	132.68	6.26
14855	LA-Upland	0.00	132.68	6.26
14856	LA-Upland	0.00	132.68	6.26
14857	LA-Upland	0.00	132.68	6.26
14858	LA-Upland	0.00	132.68	6.26
14859	LA-Upland	0.00	132.68	6.26
14860	LA-Upland	0.00	132.68	6.26
14861	LA-Upland	0.00	132.68	6.26
14862	LA-Upland	0.00	132.68	6.26
14863	LA-Upland	0.81	132.68	6.26
14864	LA-Upland	1.90	132.68	6.26
14865	LA-Upland	5.13	132.69	6.26
14866	LA-Upland	10.31	132.69	6.26
14867	LA-Upland	15.00	132.69	6.26
14868	LA-Upland	18.28	132.70	6.26
14869	LA-Upland	21.76	132.70	6.26
14870	LA-Upland	24.44	132.71	6.26
14871	LA-Upland	27.19	132.72	6.26
14872	LA-Upland	29.33	132.73	6.26
14873	LA-Upland	31.21	132.73	6.26
14874	LA-Upland	32.53	132.74	6.26
14875	LA-Upland	33.50	132.75	1.23
14876	LA-Upland	34.53	132.76	1.23
14877	LA-Upland	35.81	132.77	1.23
14878	LA-Upland	35.63	132.78	1.23
14879	LA-Upland	34.48	132.79	1.23
14880	LA-Upland	34.39	132.80	1.23
14881	LA-Upland	34.82	132.81	1.23
14882	LA-Upland	34.05	132.82	1.23
14883	LA-Upland	33.41	132.83	1.23
14884	LA-Upland	32.63	132.84	1.23
14885	LA-Upland	30.12	132.85	1.23
14886	LA-Upland	25.83	132.85	2.56
14887	LA-Upland	20.11	132.86	2.56
14888	LA-Upland	14.25	132.86	2.56
14889	LA-Upland	9.45	132.87	2.56
14890	LA-Upland	5.54	132.87	2.56
14891	LA-Upland	3.68	132.87	2.56
14892	LA-Upland	2.50	132.87	2.56
14893	LA-Upland	1.82	132.87	2.56
14894	LA-Upland	1.22	132.87	2.56
14895	LA-Upland	0.33	132.87	2.56
14896	LA-Upland	0.00	132.87	2.56
14897	LA-Upland	0.00	132.87	2.56
14898	LA-Upland	0.00	132.87	2.56

Page 190 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
14743	LA-Upland	41.74	131.67	-0.29
14744	LA-Upland	43.53	131.68	-0.29
14745	LA-Upland	45.27	131.69	-0.29
14746	LA-Upland	46.75	131.70	-0.29
14747	LA-Upland	48.22	131.72	-0.29
14748	LA-Upland	49.63	131.73	-0.29
14749	LA-Upland	50.88	131.75	-0.29
14750	LA-Upland	51.88	131.76	-0.78
14751	LA-Upland	52.75	131.77	-0.78
14752	LA-Upland	53.25	131.79	-0.78
14753	LA-Upland	53.80	131.80	-0.78
14754	LA-Upland	54.33	131.82	-0.78
14755	LA-Upland	53.97	131.83	-0.78
14756	LA-Upland	52.58	131.85	-0.78
14757	LA-Upland	52.42	131.86	2.09
14758	LA-Upland	52.30	131.88	2.09
14759	LA-Upland	52.88	131.89	2.09
14760	LA-Upland	54.03	131.91	2.09
14761	LA-Upland	55.15	131.92	2.09
14762	LA-Upland	54.36	131.94	2.09
14763	LA-Upland	52.49	131.95	2.09
14764	LA-Upland	53.93	131.97	3.05
14765	LA-Upland	54.63	131.98	3.05
14766	LA-Upland	53.77	132.00	3.05
14767	LA-Upland	52.46	132.01	3.05
14768	LA-Upland	52.29	132.02	3.05
14769	LA-Upland	52.77	132.04	3.05
14770	LA-Upland	53.19	132.05	4.71
14771	LA-Upland	53.63	132.07	4.71
14772	LA-Upland	54.18	132.08	4.71
14773	LA-Upland	54.62	132.10	4.71
14774	LA-Upland	55.11	132.11	4.71
14775	LA-Upland	55.81	132.13	4.71
14776	LA-Upland	56.15	132.14	4.71
14777	LA-Upland	56.37	132.16	3.79
14778	LA-Upland	56.18	132.18	3.79
14779	LA-Upland	56.08	132.19	3.79
14780	LA-Upland	56.13	132.21	3.79
14781	LA-Upland	56.22	132.22	3.79
14782	LA-Upland	56.21	132.24	3.79
14783	LA-Upland	56.34	132.25	3.14
14784	LA-Upland	56.68	132.27	3.14
14785	LA-Upland	56.83	132.28	3.14
14786	LA-Upland	55.96	132.30	3.14
14787	LA-Upland	54.80	132.31	3.14
14788	LA-Upland	55.01	132.33	3.14
14789	LA-Upland	55.23	132.34	3.14
14790	LA-Upland	55.11	132.36	2.84
14791	LA-Upland	55.96	132.38	2.84
14792	LA-Upland	56.32	132.39	2.84
14793	LA-Upland	56.15	132.41	2.84
14794	LA-Upland	55.33	132.42	2.84
14795	LA-Upland	53.37	132.44	2.84
14796	LA-Upland	51.23	132.45	3.48
14797	LA-Upland	49.63	132.46	3.48
14798	LA-Upland	47.39	132.48	3.48
14799	LA-Upland	44.41	132.49	3.48
14800	LA-Upland	41.09	132.50	2.48
14801	LA-Upland	38.36	132.51	3.48
14802	LA-Upland	35.56	132.52	3.48
14803	LA-Upland	32.90	132.53	3.48
14804	LA-Upland	29.63	132.54	3.48
14805	LA-Upland	23.26	132.54	3.48
14806	LA-Upland	18.16	132.55	3.48
14807	LA-Upland	15.46	132.55	4.05
14808	LA-Upland	14.66	132.56	4.05
14809	LA-Upland	15.45	132.56	4.05
14810	LA-Upland	17.96	132.57	4.05
14811	LA-Upland	20.24	132.57	4.05
14812	LA-Upland	20.22	132.58	4.05
14813	LA-Upland	18.13	132.58	4.05
14814	LA-Upland	17.08	132.59	4.05
14815	LA-Upland	16.93	132.59	4.05
14816	LA-Upland	17.15	132.60	4.05
14817	LA-Upland	17.56	132.60	4.05
14818	LA-Upland	17.30	132.61	4.05
14819	LA-Upland	16.47	132.61	4.05
14820	LA-Upland	16.96	132.62	4.05

Page 195 of 279Page 196 of 279

Page 197 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
15289	Upland-MtBaldy	27.07	133.17	0.34
15290	Upland-MtBaldy	33.62	133.18	0.34
15291	Upland-MtBaldy	39.44	133.19	0.34
15292	Upland-MtBaldy	43.02	133.21	0.34
15293	Upland-MtBaldy	40.66	133.22	0.34
15294	Upland-MtBaldy	36.15	133.23	0.34
15295	Upland-MtBaldy	31.04	133.24	0.34
15296	Upland-MtBaldy	25.98	133.24	0.34
15297	Upland-MtBaldy	20.92	133.25	0.34
15298	Upland-MtBaldy	15.66	133.25	1.67
15299	Upland-MtBaldy	11.05	133.26	1.67
15300	Upland-MtBaldy	6.80	133.26	1.67
15301	Upland-MtBaldy	2.76	133.26	1.67
15302	Upland-MtBaldy	0.14	133.26	1.67
15303	Upland-MtBaldy	0.00	133.26	1.67
15304	Upland-MtBaldy	0.00	133.26	1.67
15305	Upland-MtBaldy	0.00	133.26	1.67
15306	Upland-MtBaldy	0.00	133.26	1.67
15307	Upland-MtBaldy	0.00	133.26	1.67
15308	Upland-MtBaldy	0.00	133.26	1.67
15309	Upland-MtBaldy	0.00	133.26	1.67
15310	Upland-MtBaldy	0.00	133.26	1.67
15311	Upland-MtBaldy	0.00	133.26	1.67
15312	Upland-MtBaldy	0.00	133.26	1.67
15313	Upland-MtBaldy	0.00	133.26	1.67
15314	Upland-MtBaldy	0.00	133.26	1.67
15315	Upland-MtBaldy	0.00	133.26	1.67
15316	Upland-MtBaldy	0.00	133.26	1.67
15317	Upland-MtBaldy	0.00	133.26	1.67
15318	Upland-MtBaldy	0.00	133.26	1.67
15319	Upland-MtBaldy	0.00	133.26	1.67
15320	Upland-MtBaldy	0.00	133.26	1.67
15321	Upland-MtBaldy	0.00	133.26	1.67
15322	Upland-MtBaldy	0.00	133.26	1.67
15323	Upland-MtBaldy	0.00	133.26	1.67
15324	Upland-MtBaldy	0.00	133.26	1.67
15325	Upland-MtBaldy	0.00	133.26	1.67
15326	Upland-MtBaldy	0.00	133.26	1.67
15327	Upland-MtBaldy	0.00	133.26	1.67
15328	Upland-MtBaldy	0.00	133.26	1.67
15329	Upland-MtBaldy	0.00	133.26	1.67
15330	Upland-MtBaldy	0.00	133.26	1.67
15331	Upland-MtBaldy	0.00	133.26	1.67
15332	Upland-MtBaldy	0.00	133.26	1.67
15333	Upland-MtBaldy	0.00	133.26	1.67
15334	Upland-MtBaldy	0.00	133.26	1.67
15335	Upland-MtBaldy	0.00	133.26	1.67
15336	Upland-MtBaldy	0.00	133.26	1.67
15337	Upland-MtBaldy	0.00	133.26	1.67
15338	Upland-MtBaldy	0.00	133.26	1.67
15339	Upland-MtBaldy	0.00	133.26	1.67
15340	Upland-MtBaldy	0.00	133.26	1.67
15341	Upland-MtBaldy	0.00	133.26	1.67
15342	Upland-MtBaldy	0.00	133.26	1.67
15343	Upland-MtBaldy	0.00	133.26	1.67
15344	Upland-MtBaldy	0.00	133.26	1.67
15345	Upland-MtBaldy	0.00	133.26	1.67
15346	Upland-MtBaldy	0.00	133.26	1.67
15347	Upland-MtBaldy	0.00	133.26	1.67
15348	Upland-MtBaldy	0.00	133.26	1.67
15349	Upland-MtBaldy	0.00	133.26	1.67
15350	Upland-MtBaldy	0.00	133.26	1.67
15351	Upland-MtBaldy	0.00	133.26	1.67
15352	Upland-MtBaldy	0.00	133.26	1.67
15353	Upland-MtBaldy	0.00	133.26	1.67
15354	Upland-MtBaldy	0.00	133.26	1.67
15355	Upland-MtBaldy	0.00	133.26	1.67
15356	Upland-MtBaldy	0.00	133.26	1.67
15357	Upland-MtBaldy	0.00	133.26	1.67
15358	Upland-MtBaldy	0.00	133.26	1.67
15359	Upland-MtBaldy	0.00	133.26	1.67
15360	Upland-MtBaldy	0.00	133.26	1.67
15361	Upland-MtBaldy	0.00	133.26	1.67
15362	Upland-MtBaldy	0.00	133.26	1.67
15363	Upland-MtBaldy	0.00	133.26	1.67
15364	Upland-MtBaldy	0.00	133.26	1.67
15365	Upland-MtBaldy	0.00	133.26	1.67
15366	Upland-MtBaldy	0.00	133.26	1.67

Page 199 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
15443	Upland-MtBaldy	23.29	133.86	3.15
15446	Upland-MtBaldy	26.90	133.86	3.15
15447	Upland-MtBaldy	30.40	133.87	3.15
15448	Upland-MtBaldy	33.29	133.88	3.15
15449	Upland-MtBaldy	35.10	133.89	3.15
15450	Upland-MtBaldy	35.92	133.90	3.15
15451	Upland-MtBaldy	36.58	133.91	3.15
15452	Upland-MtBaldy	37.18	133.92	3.15
15453	Upland-MtBaldy	36.99	133.93	3.15
15454	Upland-MtBaldy	36.64	133.94	3.15
15455	Upland-MtBaldy	37.56	133.95	3.54
15456	Upland-MtBaldy	38.83	133.96	3.54
15457	Upland-MtBaldy	40.24	133.97	3.54
15458	Upland-MtBaldy	41.56	133.98	3.54
15459	Upland-MtBaldy	42.75	134.00	3.54
15460	Upland-MtBaldy	42.64	134.01	3.54
15461	Upland-MtBaldy	42.31	134.02	3.54
15462	Upland-MtBaldy	41.26	134.03	3.54
15463	Upland-MtBaldy	41.31	134.04	3.54
15464	Upland-MtBaldy	41.58	134.05	2.33
15465	Upland-MtBaldy	43.44	134.06	2.33
15466	Upland-MtBaldy	45.51	134.08	2.33
15467	Upland-MtBaldy	47.56	134.09	2.33
15468	Upland-MtBaldy	49.29	134.10	2.33
15469	Upland-MtBaldy	50.90	134.12	2.33
15470	Upland-MtBaldy	51.68	134.13	2.33
15471	Upland-MtBaldy	51.79	134.15	2.33
15472	Upland-MtBaldy	52.12	134.16	2.33
15473	Upland-MtBaldy	52.60	134.18	2.33
15474	Upland-MtBaldy	52.11	134.19	2.33
15475	Upland-MtBaldy	51.16	134.20	2.33
15476	Upland-MtBaldy	51.59	134.22	2.33
15477	Upland-MtBaldy	51.97	134.23	2.33
15478	Upland-MtBaldy	51.08	134.25	2.33
15479	Upland-MtBaldy	50.04	134.26	3.36
15480	Upland-MtBaldy	50.41	134.27	3.36
15481	Upland-MtBaldy	51.25	134.29	3.36
15482	Upland-MtBaldy	51.76	134.30	3.36
15483	Upland-MtBaldy	51.80	134.32	3.36
15484	Upland-MtBaldy	51.28	134.33	3.36
15485	Upland-MtBaldy	50.05	134.34	3.36
15486	Upland-MtBaldy	49.80	134.36	3.47
15487	Upland-MtBaldy	49.74	134.37	3.47
15488	Upland-MtBaldy	50.07	134.39	3.47
15489	Upland-MtBaldy	50.72	134.40	3.47
15490	Upland-MtBaldy	49.46	134.41	3.47
15491	Upland-MtBaldy	47.87	134.43	3.47
15492	Upland-MtBaldy	47.54	134.44	3.47
15493	Upland-MtBaldy	48.03	134.45	2.55
15494	Upland-MtBaldy	48.80	134.47	2.55
15495	Upland-MtBaldy	49.79	134.48	2.55
15496	Upland-MtBaldy	50.36	134.49	2.55
15497	Upland-MtBaldy	50.31	134.51	2.55
15498	Upland-MtBaldy	49.79	134.52	2.55
15499	Upland-MtBaldy	48.55	134.53	2.55
15500	Upland-MtBaldy	48.13	134.55	2.55
15501	Upland-MtBaldy	48.08	134.56	3.23
15502	Upland-MtBaldy	48.84	134.57	3.23
15503	Upland-MtBaldy	48.92	134.59	3.23
15504	Upland-MtBaldy	48.59	134.60	3.23
15505	Upland-MtBaldy	48.19	134.61	3.23
15506	Upland-MtBaldy	47.98	134.63	3.23
15507	Upland-MtBaldy	47.61	134.64	3.23
15508	Upland-MtBaldy	47.87	134.65	3.23
15509	Upland-MtBaldy	48.76	134.67	3.23
15510	Upland-MtBaldy	49.62	134.68	3.23
15511	Upland-MtBaldy	50.28	134.69	3.23
15512	Upland-MtBaldy	50.89	134.71	3.23
15513	Upland-MtBaldy	50.79	134.72	3.23
15514	Upland-MtBaldy	50.16	134.74	3.23
15515	Upland-MtBaldy	49.98	134.75	3.23
15516	Upland-MtBaldy	47.93	134.76	3.47
15517	Upland-MtBaldy	46.10	134.78	3.47
15518	Upland-MtBaldy	42.83	134.79	3.47
15519	Upland-MtBaldy	39.50	134.80	3.47
15520	Upland-MtBaldy	36.15	134.81	3.47
15521	Upland-MtBaldy	32.94	134.82	3.47
15522	Upland-MtBaldy	29.53	134.83	3.47

Page 198 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
15367	Upland-MtBaldy	0.00	133.26	1.67
15368	Upland-MtBaldy	0.55	133.26	1.67
15369	Upland-MtBaldy	4.82	133.26	1.67
15370	Upland-MtBaldy	11.40	133.26	1.67
15371	Upland-MtBaldy	18.02	133.27	1.67
15372	Upland-MtBaldy	22.77	133.27	1.67
15373	Upland-MtBaldy	25.94	133.28	1.67
15374	Upland-MtBaldy	28.09	133.29	1.67
15375	Upland-MtBaldy	29.63	133.30	1.67
15376	Upland-MtBaldy	30.72	133.31	1.67
15377	Upland-MtBaldy	31.98	133.31	1.67
15378	Upland-MtBaldy	33.80	133.32	1.67
15379	Upland-MtBaldy	36.26	133.33	1.67
15380	Upland-MtBaldy	38.77	133.34	1.67
15381	Upland-MtBaldy	40.33	133.36	-0.41
15382	Upland-MtBaldy	40.68	133.37	-0.41
15383	Upland-MtBaldy	40.81	133.38	-0.41
15384	Upland-MtBaldy	41.08	133.39	-0.41
15385	Upland-MtBaldy	40.52	133.40	-0.41
15386	Upland-MtBaldy	39.08	133.41	-0.41
15387	Upland-MtBaldy	37.29	133.42	-0.41
15388	Upland-MtBaldy	35.26	133.43	-0.41
15389	Upland-MtBaldy	33.19	133.44	-0.41
15390	Upland-MtBaldy	30.88	133.45	-0.41
15391	Upland-MtBaldy	28.26	133.46	0.12
15392	Upland-MtBaldy	25.44	133.46	0.12
15393	Upland-MtBaldy	22.48	133.47	0.12
15394	Upland-MtBaldy	18.80	133.47	0.12
15395	Upland-MtBaldy	14.03	133.48	0.12
15396	Upland-MtBaldy	9.55	133.48	0.12
15397	Upland-MtBaldy	5.43	133.48	0.12
15398	Upland-MtBaldy	1.87	133.48	0.12
15399	Upland-MtBaldy	0.00	133.48	0.12
15400	Upland-MtBaldy	1.02	133.48	0.12
15401	Upland-MtBaldy	2.12	133.48	0.12
15402	Upland-MtBaldy	0.94	133.48	0.12
15403	Upland-MtBaldy	0.00	133.48	0.12
15404	Upland-MtBaldy	0.16	133.48	0.12
15405	Upland-MtBaldy	2.77	133.49	0.12
15406	Upland-MtBaldy	5.04	133.49	0.12
15407	Upland-MtBaldy	5.75	133.49	0.12
15408	Upland-MtBaldy	8.02	133.49	0.12
15409	Upland-MtBaldy	10.83	133.49	0.12
15410	Upland-MtBaldy	13.99	133.50	0.12
15411	Upland-MtBaldy	17.99	133.50	0.12
15412	Upland-MtBaldy	22.18	133.51	0.12
15413	Upland-MtBaldy	26.45	133.52	0.12
15414	Upland-MtBaldy	30.28	133.52	0.12
15415	Upland-MtBaldy	33.72	133.53	0.12
15416	Upland-MtBaldy	36.46	133.54	0.12
15417	Upland-MtBaldy	39.21	133.55	1.69
15418	Upland-MtBaldy	41.50	133.57	1.69
15419	Upland-MtBaldy	43.88	133.58	1.69
15420	Upland-MtBaldy	45.86	133.59	1.69
15421	Upland-MtBaldy	47.48	133.60	1.69
15422	Upland-MtBaldy	48.80	133.60	1.69
15423	Upland-MtBaldy	50.08	133.61	1.69
15424	Upland-MtBaldy	51.69	133.65	1.69
15425	Upland-MtBaldy	53.73	133.66	-4.05
15426	Upland-MtBaldy	54.45	133.67	-4.05
15427	Upland-MtBaldy	54.19	133.69	-4.05
15428	Upland-MtBaldy	53.31	133.70	-4.05
15429	Upland-MtBaldy	52.72	133.72	-4.05
15430	Upland-MtBaldy	53.38	133.73	-4.05
15431	Upland-MtBaldy	53.17	133.75	-4.05
15432	Upland-MtBaldy	51.21	133.76	-3.60
15433	Upland-MtBaldy	47.77	133.78	-3.60
15434	Upland-MtBaldy	43.95	133.79	-3.60
15435	Upland-MtBaldy	39.37	133.80	-3.60
15436	Upland-MtBaldy	32.85	133.81	-3.60
15437	Upland-MtBaldy	26.84	133.82	-3.60
15438	Upland-MtBaldy	21.55	133.82	-3.60
15439	Upland-MtBaldy	17.82	133.83	-3.60
15440	Upland-MtBaldy	16.04	133.83	-3.60
15441	Upland-MtBaldy	15.51	133.83	-3.60
15442	Upland-MtBaldy	15.00	133.84	-3.60
15443	Upland-MtBaldy	16.77	133.84	-3.60
15444	Upland-MtBaldy	19.68	133.85	-3.60

Page 201 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
15601	Upland-MtBaldy	60.15	135.82	4.67
15602	Upland-MtBaldy	59.74	135.83	4.67
15603	Upland-MtBaldy	59.04	135.85	4.67
15604	Upland-MtBaldy	57.47	135.86	4.95
15605	Upland-MtBaldy	56.06	135.88	4.95
15606	Upland-MtBaldy	54.93	135.89	4.95
15607	Upland-MtBaldy	54.02	135.91	4.95
15608	Upland-MtBaldy	53.00	135.92	4.95
15609	Upland-MtBaldy	53.04	135.94	4.95
15610	Upland-MtBaldy	52.92	135.95	4.48
15611	Upland-MtBaldy	53.15	135.97	4.48
15612	Upland-MtBaldy	53.31	135.98	4.48
15613	Upland-MtBaldy	53.50	136.00	4.48
15614	Upland-MtBaldy	53.38	136.01	4.48
15615	Upland-MtBaldy	53.26	136.03	4.48
15616	Upland-MtBaldy	52.93	136.04	4.48
15617	Upland-MtBaldy	52.57	136.06	5.26
15618	Upland-MtBaldy	52.74	136.07	5.26
15619	Upland-MtBaldy	52.83	136.08	5.26
15620	Upland-MtBaldy	53.27	136.10	5.26
15621	Upland-MtBaldy	53.27	136.11	5.26
15622	Upland-MtBaldy	53.48	136.13	5.26
15623	Upland-MtBaldy	53.74	136.14	5.26
15624	Upland-MtBaldy	53.99	136.16	7.29
15625	Upland-MtBaldy	54.21	136.17	7.29
15626	Upland-MtBaldy	54.40	136.19	7.29
15627	Upland-MtBaldy	54.66	136.20	7.29
15628	Upland-MtBaldy	54.70	136.22	7.29
15629	Upland-MtBaldy	54.90	136.23	7.29
15630	Upland-MtBaldy	54.81	136.25	7.29
15631	Upland-MtBaldy	54.29	136.26	7.94
15632	Upland-MtBaldy	53.48	136.28	7.94
15633	Upland-MtBaldy	52.84	136.29	7.94
15634	Upland-MtBaldy	52.70	136.31	7.94
15635	Upland-MtBaldy	52.78	136.32	7.94
15636	Upland-MtBaldy	52.87	136.34	7.94
15637	Upland-MtBaldy	52.97	136.35	10.99
15638	Upland-MtBaldy	52.96	136.37	10.99
15639	Upland-MtBaldy	52.79	136.38	10.99
15640	Upland-MtBaldy	52.60	136.39	10.99
15641	Upland-MtBaldy	52.32	136.41	10.99
15642	Upland-MtBaldy	52.38	136.42	10.99
15643	Upland-MtBaldy	51.85	136.44	10.99
15644	Upland-MtBaldy	51.16	136.45	6.11
15645	Upland-MtBaldy	50.03	136.47	6.11
15646	Upland-MtBaldy	49.46	136.48	6.11
15647	Upland-MtBaldy	49.17	136.49	6.11
15648	Upland-MtBaldy	49.35	136.51	6.11
15649	Upland-MtBaldy	49.71	136.52	6.11
15650	Upland-MtBaldy	49.45	136.53	6.11
15651	Upland-MtBaldy	49.56	136.55	6.11
15652	Upland-MtBaldy	49.63	136.56	5.53
15653	Upland-MtBaldy	50.12	136.57	5.53
15654	Upland-MtBaldy	50.67	136.59	5.53
15655	Upland-MtBaldy	51.51	136.60	5.53
15656	Upland-MtBaldy	52.49	136.62	5.53
15657	Upland-MtBaldy	53.42	136.63	5.53
15658	Upland-MtBaldy	53.84	136.65	5.53
15659	Upland-MtBaldy	54.62	136.66	7.85
15660	Upland-MtBaldy	54.86	136.68	7.85
15661	Upland-MtBaldy	55.11	136.69	7.85
15662	Upland-MtBaldy	55.33	136.71	7.85
15663	Upland-MtBaldy	55.37	136.72	7.85
15664	Upland-MtBaldy	54.74	136.74	7.85
15665	Upland-MtBaldy	53.62	136.75	9.69
15666	Upland-MtBaldy	52.97	136.77	9.69
15667	Upland-MtBaldy	52.26	136.78	9.69
15668	Upland-MtBaldy	51.79	136.79	9.69
15669	Upland-MtBaldy	51.38	136.81	9.69
15670	Upland-MtBaldy	50.92	136.82	9.69
15671	Upland-MtBaldy	50.89	136.84	9.69
15672	Upland-MtBaldy	51.00	136.85	4.95
15673	Upland-MtBaldy	50.89	136.86	4.95
15674	Upland-MtBaldy	50.46	136.88	4.95
15675	Upland-MtBaldy	50.07	136.89	4.95
15676	Upland-MtBaldy	49.35	136.91	4.95
15677	Upland-MtBaldy	47.96	136.92	4.95
15678	Upland-MtBaldy	46.98	136.93	4.95

Page 203 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
15757	Upland-MtBaldy	46.62	138.08	8.69
15758	Upland-MtBaldy	46.38	138.09	8.69
15759	Upland-MtBaldy	46.37	138.10	8.69
15760	Upland-MtBaldy	46.53	138.11	8.69
15761	Upland-MtBaldy	47.12	138.13	8.69
15762	Upland-MtBaldy	47.81	138.14	8.69
15763	Upland-MtBaldy	47.53	138.15	8.81
15764	Upland-MtBaldy	47.43	138.17	9.81
15765	Upland-MtBaldy	46.41	138.18	9.81
15766	Upland-MtBaldy	45.49	138.19	9.81
15767	Upland-MtBaldy	45.41	138.20	9.81
15768	Upland-MtBaldy	45.82	138.22	9.81
15769	Upland-MtBaldy	46.52	138.23	9.81
15770	Upland-MtBaldy	47.56	138.24	9.81
15771	Upland-MtBaldy	46.47	138.26	8.68
15772	Upland-MtBaldy	44.63	138.27	8.68
15773	Upland-MtBaldy	42.13	138.28	8.68
15774	Upland-MtBaldy	39.58	138.29	8.68
15775	Upland-MtBaldy	38.17	138.30	8.68
15776	Upland-MtBaldy	37.88	138.31	8.68
15777	Upland-MtBaldy	38.74	138.32	8.68
15778	Upland-MtBaldy	40.13	138.33	8.68
15779	Upland-MtBaldy	41.16	138.34	8.68
15780	Upland-MtBaldy	42.34	138.36	4.64
15781	Upland-MtBaldy	43.21	138.37	4.64
15782	Upland-MtBaldy	43.69	138.38	4.64
15783	Upland-MtBaldy	43.19	138.39	4.64
15784	Upland-MtBaldy	41.26	138.40	4.64
15785	Upland-MtBaldy	39.74	138.41	4.64
15786	Upland-MtBaldy	39.66	138.42	4.64
15787	Upland-MtBaldy	39.77	138.44	4.64
15788	Upland-MtBaldy	40.76	138.45	4.64
15789	Upland-MtBaldy	41.52	138.46	5.49
15790	Upland-MtBaldy	40.50	138.47	5.49
15791	Upland-MtBaldy	39.37	138.48	5.49
15792	Upland-MtBaldy	38.61	138.49	5.49
15793	Upland-MtBaldy	38.40	138.50	5.49
15794	Upland-MtBaldy	37.77	138.51	5.49
15795	Upland-MtBaldy	37.36	138.52	5.49
15796	Upland-MtBaldy	37.26	138.53	5.49
15797	Upland-MtBaldy	37.55	138.54	5.49
15798	Upland-MtBaldy	38.54	138.55	5.99
15799	Upland-MtBaldy	39.78	138.56	5.99
15800	Upland-MtBaldy	40.52	138.58	5.99
15801	Upland-MtBaldy	40.54	138.59	5.99
15802	Upland-MtBaldy	39.57	138.60	5.99
15803	Upland-MtBaldy	40.07	138.61	5.99
15804	Upland-MtBaldy	40.79	138.62	5.99
15805	Upland-MtBaldy	41.16	138.63	5.99
15806	Upland-MtBaldy	41.42	138.64	5.99
15807	Upland-MtBaldy	40.79	138.65	6.07
15808	Upland-MtBaldy	39.81	138.66	6.07
15809	Upland-MtBaldy	39.03	138.68	6.07
15810	Upland-MtBaldy	38.99	138.69	6.07
15811	Upland-MtBaldy	37.18	138.70	6.07
15812	Upland-MtBaldy	35.34	138.71	6.07
15813	Upland-MtBaldy	34.68	138.72	6.07
15814	Upland-MtBaldy	36.52	138.73	6.07
15815	Upland-MtBaldy	39.46	138.74	6.07
15816	Upland-MtBaldy	41.71	138.75	6.07
15817	Upland-MtBaldy	43.26	138.76	4.89
15818	Upland-MtBaldy	44.12	138.77	4.89
15819	Upland-MtBaldy	45.08	138.78	4.89
15820	Upland-MtBaldy	46.02	138.80	4.89
15821	Upland-MtBaldy	46.46	138.81	4.89
15822	Upland-MtBaldy	45.49	138.82	4.89
15823	Upland-MtBaldy	44.82	138.83	4.89
15824	Upland-MtBaldy	44.44	138.85	4.89
15825	Upland-MtBaldy	43.46	138.86	2.59
15826	Upland-MtBaldy	41.79	138.87	2.59
15827	Upland-MtBaldy	39.61	138.88	2.59
15828	Upland-MtBaldy	37.29	138.89	2.59
15829	Upland-MtBaldy	36.03	138.90	2.59
15830	Upland-MtBaldy	35.24	138.91	2.59
15831	Upland-MtBaldy	34.73	138.92	2.59
15832	Upland-MtBaldy	34.06	138.93	2.59
15833	Upland-MtBaldy	33.14	138.94	2.59
15834	Upland-MtBaldy	32.21	138.95	2.59

Page 202 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
15679	Upland-MtBaldy	46.41	136.94	4.95
15680	Upland-MtBaldy	45.76	136.96	3.93
15681	Upland-MtBaldy	45.73	136.97	3.93
15682	Upland-MtBaldy	46.99	136.98	3.93
15683	Upland-MtBaldy	48.25	137.00	3.93
15684	Upland-MtBaldy	49.29	137.01	3.93
15685	Upland-MtBaldy	49.60	137.02	3.93
15686	Upland-MtBaldy	49.27	137.04	3.93
15687	Upland-MtBaldy	49.07	137.05	2.81
15688	Upland-MtBaldy	49.38	137.06	2.81
15689	Upland-MtBaldy	49.59	137.08	2.81
15690	Upland-MtBaldy	50.76	137.09	2.81
15691	Upland-MtBaldy	51.49	137.11	2.81
15692	Upland-MtBaldy	52.14	137.12	2.81
15693	Upland-MtBaldy	53.15	137.13	2.81
15694	Upland-MtBaldy	53.92	137.15	2.81
15695	Upland-MtBaldy	54.55	137.16	3.16
15696	Upland-MtBaldy	54.65	137.18	3.16
15697	Upland-MtBaldy	54.87	137.19	3.16
15698	Upland-MtBaldy	55.15	137.21	3.16
15699	Upland-MtBaldy	55.55	137.22	3.16
15700	Upland-MtBaldy	55.87	137.24	3.16
15701	Upland-MtBaldy	56.11	137.26	3.88
15702	Upland-MtBaldy	56.09	137.27	3.88
15703	Upland-MtBaldy	56.21	137.29	3.88
15704	Upland-MtBaldy	56.21	137.30	3.88
15705	Upland-MtBaldy	56.26	137.32	3.88
15706	Upland-MtBaldy	56.20	137.33	3.88
15707	Upland-MtBaldy	56.33	137.35	3.88
15708	Upland-MtBaldy	55.99	137.36	7.75
15709	Upland-MtBaldy	55.92	137.37	7.75
15710	Upland-MtBaldy	55.57	137.39	7.75
15711	Upland-MtBaldy	55.77	137.41	7.75
15712	Upland-MtBaldy	55.75	137.43	7.75
15713	Upland-MtBaldy	56.05	137.44	7.75
15714	Upland-MtBaldy	56.27	137.46	5.10
15715	Upland-MtBaldy	56.52	137.47	5.10
15716	Upland-MtBaldy	56.36	137.49	5.10
15717	Upland-MtBaldy	56.29	137.50	5.10
15718	Upland-MtBaldy	56.58	137.52	5.10
15719	Upland-MtBaldy	56.77	137.53	5.10
15720	Upland-MtBaldy	57.38	137.55	5.10
15721	Upland-MtBaldy	57.91	137.57	4.61
15722	Upland-MtBaldy	58.11	137.58	4.61
15723	Upland-MtBaldy	58.44	137.60	4.61
15724	Upland-MtBaldy	58.84	137.61	4.61
15725	Upland-MtBaldy	58.85	137.63	4.61
15726	Upland-MtBaldy	58.50	137.65	4.61
15727	Upland-MtBaldy	58.24	137.66	4.61
15728	Upland-MtBaldy	57.99	137.68	4.61
15729	Upland-MtBaldy	57.81	137.69	3.27
15730	Upland-MtBaldy	57.20	137.71	3.27
15731	Upland-MtBaldy	56.66	137.73	3.27
15732	Upland-MtBaldy	55.99	137.74	3.27
15733	Upland-MtBaldy	55.90	137.76	4.00
15734	Upland-MtBaldy	53.72	137.78	4.00
15735	Upland-MtBaldy	52.78	137.79	4.00
15736	Upland-MtBaldy	51.49	137.80	4.00
15737	Upland-MtBaldy	50.47	137.81	4.00
15738	Upland-MtBaldy	50.57	137.83	4.00
15739	Upland-MtBaldy	51.31	137.84	4.00
15740	Upland-MtBaldy	51.83	137.86	3.00
15741	Upland-MtBaldy	51.77	137.87	3.00
15742	Upland-MtBaldy	51.67	137.88	3.00
15743	Upland-MtBaldy	51.35	137.90	3.00
15744	Upland-MtBaldy	50.35	137.91	3.00
15745	Upland-MtBaldy	48.70	137.93	3.00
15746	Upland-MtBaldy	47.45	137.94	3.00
15747	Upland-MtBaldy	45.81	137.95	3.00
15748	Upland-MtBaldy	44.71	137.96	3.00
15749	Upland-MtBaldy	44.18	137.98	3.50
15750	Upland-MtBaldy	43.95	137.99	3.50
15751	Upland-MtBaldy	43.98	138.00	3.50
15752	Upland-MtBaldy	43.34	138.01	3.50
15753	Upland-MtBaldy	46.06	138.02	3.50
15754	Upland-MtBaldy	46.71	138.04	3.50
15755	Upland-MtBaldy	46.88	138.05	3.50
15756	Upland-MtBaldy	46.60	138.06	8.60

Page 205 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
15913	Upland-MtBaldy	31.44	139.72	3.82
15914	Upland-MtBaldy	30.23	139.73	3.82
15915	Upland-MtBaldy	29.39	139.74	3.82
15916	Upland-MtBaldy	29.06	139.75	3.82
15917	Upland-MtBaldy	29.00	139.76	5.97
15918	Upland-MtBaldy	31.07	139.77	5.97
15919	Upland-MtBaldy	33.31	139.77	5.97
15920	Upland-MtBaldy	34.22	139.78	5.97
15921	Upland-MtBaldy	33.52	139.79	5.97
15922	Upland-MtBaldy	33.62	139.80	5.97
15923	Upland-MtBaldy	33.74	139.81	5.97
15924	Upland-MtBaldy	34.02	139.82	5.97
15925	Upland-MtBaldy	33.95	139.83	5.97
15926	Upland-MtBaldy	32.92	139.84	5.97
15927	Upland-MtBaldy	31.84	139.85	5.97
15928	Upland-MtBaldy	31.01	139.86	8.80
15929	Upland-MtBaldy	30.80	139.87	8.80
15930	Upland-MtBaldy	30.56	139.87	8.80
15931	Upland-MtBaldy	30.12	139.88	8.80
15932	Upland-MtBaldy	29.41	139.89	8.80
15933	Upland-MtBaldy	28.62	139.90	8.80
15934	Upland-MtBaldy	28.11	139.91	8.80
15935	Upland-MtBaldy	27.49	139.91	8.80
15936	Upland-MtBaldy	28.07	139.92	8.80
15937	Upland-MtBaldy	30.18	139.93	8.80
15938	Upland-MtBaldy	31.61	139.94	8.80
15939	Upland-MtBaldy	33.34	139.95	8.80
15940	Upland-MtBaldy	34.77	139.96	7.31
15941	Upland-MtBaldy	35.75	139.97	7.31
15942	Upland-MtBaldy	36.05	139.98	7.31
15943	Upland-MtBaldy	35.99	139.99	7.31
15944	Upland-MtBaldy	35.70	140.00	7.31
15945	Upland-MtBaldy	35.74	140.01	7.31
15946	Upland-MtBaldy	36.10	140.02	7.31
15947	Upland-MtBaldy	36.78	140.03	7.31
15948	Upland-MtBaldy	37.55	140.04	7.31
15949	Upland-MtBaldy	37.60	140.05	7.31
15950	Upland-MtBaldy	37.72	140.06	9.80
15951	Upland-MtBaldy	37.54	140.07	9.80
15952	Upland-MtBaldy	36.76	140.08	9.80
15953	Upland-MtBaldy	35.83	140.09	9.80
15954	Upland-MtBaldy	35.33	140.10	9.80
15955	Upland-MtBaldy	35.03	140.11	9.80
15956	Upland-MtBaldy	35.27	140.12	9.80
15957	Upland-MtBaldy	35.96	140.13	9.80
15958	Upland-MtBaldy	36.08	140.14	9.80
15959	Upland-MtBaldy	35.43	140.15	9.80
15960	Upland-MtBaldy	34.15	140.16	8.55
15961	Upland-MtBaldy	33.36	140.16	8.55
15962	Upland-MtBaldy	32.81	140.17	8.55
15963	Upland-MtBaldy	32.48	140.18	8.55
15964	Upland-MtBaldy	32.63	140.19	8.55
15965	Upland-MtBaldy	31.85	140.20	8.55
15966	Upland-MtBaldy	31.83	140.21	8.55
15967	Upland-MtBaldy	31.83	140.22	8.55
15968	Upland-MtBaldy	31.16	140.23	8.55
15969	Upland-MtBaldy	32.13	140.23	8.55
15970	Upland-MtBaldy	34.17	140.24	8.55
15971	Upland-MtBaldy	35.18	140.25	6.57
15972	Upland-MtBaldy	35.66	140.26	6.57
15973	Upland-MtBaldy	34.58	140.27	6.57
15974	Upland-MtBaldy	33.10	140.28	6.57
15975	Upland-MtBaldy	31.13	140.29	6.57
15976	Upland-MtBaldy	29.77	140.30	6.57
15977	Upland-MtBaldy	28.89	140.31	6.57
15978	Upland-MtBaldy	28.34	140.31	6.57
15979	Upland-MtBaldy	30.13	140.32	6.57
15980	Upland-MtBaldy	32.66	140.33	6.57
15981	Upland-MtBaldy	34.52	140.34	6.57
15982	Upland-MtBaldy	36.13	140.35	7.65
15983	Upland-MtBaldy	37.16	140.36	7.65
15984	Upland-MtBaldy	37.12	140.37	7.65
15985	Upland-MtBaldy	36.31	140.38	7.65
15986	Upland-MtBaldy	35.37	140.39	7.65
15987	Upland-MtBaldy	34.46	140.40	7.65
15988	Upland-MtBaldy	34.12	140.41	7.65
15989	Upland-MtBaldy	33.48	140.42	7.65
15990	Upland-MtBaldy	32.91	140.43	7.65

Page 207 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
16069	Upland-MtBaldy	32.51	141.17	10.33
16070	Upland-MtBaldy	32.72	141.18	10.33
16071	Upland-MtBaldy	33.07	141.19	10.33
16072	Upland-MtBaldy	33.99	141.20	10.33
16073	Upland-MtBaldy	35.97	141.21	10.33
16074	Upland-MtBaldy	38.16	141.22	10.33
16075	Upland-MtBaldy	38.97	141.23	10.33
16076	Upland-MtBaldy	38.83	141.24	10.33
16077	Upland-MtBaldy	38.21	141.25	11.71
16078	Upland-MtBaldy	37.61	141.26	11.71
16079	Upland-MtBaldy	37.87	141.27	11.71
16080	Upland-MtBaldy	38.27	141.28	11.71
16081	Upland-MtBaldy	38.35	141.29	11.71
16082	Upland-MtBaldy	38.74	141.30	11.71
16083	Upland-MtBaldy	39.47	141.31	11.71
16084	Upland-MtBaldy	40.15	141.33	11.71
16085	Upland-MtBaldy	40.35	141.34	11.71
16086	Upland-MtBaldy	39.34	141.35	11.71
16087	Upland-MtBaldy	38.01	141.36	13.43
16088	Upland-MtBaldy	36.54	141.37	13.43
16089	Upland-MtBaldy	34.84	141.38	13.43
16090	Upland-MtBaldy	34.33	141.39	13.43
16091	Upland-MtBaldy	34.61	141.40	13.43
16092	Upland-MtBaldy	35.52	141.41	13.43
16093	Upland-MtBaldy	37.07	141.42	13.43
16094	Upland-MtBaldy	40.50	141.43	13.43
16095	Upland-MtBaldy	45.01	141.44	13.43
16096	Upland-MtBaldy	49.03	141.45	6.87
16097	Upland-MtBaldy	52.17	141.47	6.87
16098	Upland-MtBaldy	53.49	141.48	6.87
16099	Upland-MtBaldy	55.04	141.50	6.87
16100	Upland-MtBaldy	56.40	141.51	6.87
16101	Upland-MtBaldy	57.83	141.53	6.87
16102	Upland-MtBaldy	58.18	141.55	6.87
16103	Upland-MtBaldy	58.04	141.56	6.87
16104	Upland-MtBaldy	56.41	141.58	6.87
16105	Upland-MtBaldy	54.72	141.59	6.87
16106	Upland-MtBaldy	52.89	141.61	6.87
16107	Upland-MtBaldy	51.59	141.62	6.87
16108	Upland-MtBaldy	51.40	141.63	6.87
16109	Upland-MtBaldy	51.15	141.65	6.87
16110	Upland-MtBaldy	52.15	141.66	6.87
16111	Upland-MtBaldy	52.46	141.68	6.87
16112	Upland-MtBaldy	52.56	141.69	6.87
16113	Upland-MtBaldy	52.70	141.71	6.87
16114	Upland-MtBaldy	51.71	141.72	6.87
16115	Upland-MtBaldy	50.26	141.73	6.87
16116	Upland-MtBaldy	48.68	141.75	6.87
16117	Upland-MtBaldy	47.46	141.76	10.00
16118	Upland-MtBaldy	46.36	141.77	10.00
16119	Upland-MtBaldy	46.23	141.79	10.00
16120	Upland-MtBaldy	46.49	141.80	10.00
16121	Upland-MtBaldy	46.75	141.81	10.00
16122	Upland-MtBaldy	47.22	141.83	10.00
16123	Upland-MtBaldy	47.56	141.84	10.00
16124	Upland-MtBaldy	47.88	141.85	9.17
16125	Upland-MtBaldy	48.20	141.86	9.17
16126	Upland-MtBaldy	48.74	141.88	9.17
16127	Upland-MtBaldy	49.17	141.89	9.17
16128	Upland-MtBaldy	49.45	141.91	9.17
16129	Upland-MtBaldy	49.19	141.92	9.17
16130	Upland-MtBaldy	48.54	141.93	9.17
16131	Upland-MtBaldy	47.77	141.95	9.17
16132	Upland-MtBaldy	46.50	141.96	8.57
16133	Upland-MtBaldy	45.06	141.97	8.57
16134	Upland-MtBaldy	43.70	141.98	8.57
16135	Upland-MtBaldy	42.39	141.99	8.57
16136	Upland-MtBaldy	40.38	142.01	8.57
16137	Upland-MtBaldy	39.30	142.02	8.57
16138	Upland-MtBaldy	37.75	142.03	8.57
16139	Upland-MtBaldy	35.91	142.04	8.57
16140	Upland-MtBaldy	33.66	142.05	8.57
16141	Upland-MtBaldy	31.67	142.05	6.81
16142	Upland-MtBaldy	30.00	142.06	6.81
16143	Upland-MtBaldy	28.68	142.07	6.81
16144	Upland-MtBaldy	27.91	142.08	6.81
16145	Upland-MtBaldy	27.69	142.09	6.81
16146	Upland-MtBaldy	27.87	142.09	6.81

Page 206 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
15991	Upland-MtBaldy	32.61	140.44	7.65
15992	Upland-MtBaldy	32.30	140.45	7.65
15993	Upland-MtBaldy	32.80	140.46	6.94
15994	Upland-MtBaldy	34.92	140.47	6.94
15995	Upland-MtBaldy	36.37	140.48	6.94
15996	Upland-MtBaldy	37.53	140.49	6.94
15997	Upland-MtBaldy	38.24	140.50	6.94
15998	Upland-MtBaldy	38.42	140.51	6.94
15999	Upland-MtBaldy	38.30	140.52	6.94
16000	Upland-MtBaldy	37.77	140.53	6.94
16001	Upland-MtBaldy	37.41	140.54	6.94
16002	Upland-MtBaldy	37.02	140.55	6.94
16003	Upland-MtBaldy	36.30	140.56	10.99
16004	Upland-MtBaldy	35.42	140.57	10.99
16005	Upland-MtBaldy	34.04	140.58	10.99
16006	Upland-MtBaldy	32.44	140.59	10.99
16007	Upland-MtBaldy	31.24	140.59	10.99
16008	Upland-MtBaldy	30.36	140.60	10.99
16009	Upland-MtBaldy	29.48	140.61	10.99
16010	Upland-MtBaldy	30.24	140.62	10.99
16011	Upland-MtBaldy	32.42	140.63	10.99
16012	Upland-MtBaldy	34.30	140.64	10.99
16013	Upland-MtBaldy	35.63	140.65	10.99
16014	Upland-MtBaldy	34.29	140.66	11.20
16015	Upland-MtBaldy	32.17	140.67	11.20
16016	Upland-MtBaldy	31.29	140.67	11.20
16017	Upland-MtBaldy	30.72	140.68	11.20
16018	Upland-MtBaldy	30.66	140.69	11.20
16019	Upland-MtBaldy	32.75	140.70	11.20
16020	Upland-MtBaldy	35.15	140.71	11.20
16021	Upland-MtBaldy	37.03	140.72	11.20
16022	Upland-MtBaldy	38.57	140.73	11.20
16023	Upland-MtBaldy	39.23	140.74	11.20
16024	Upland-MtBaldy	39.60	140.75	9.74
16025	Upland-MtBaldy	39.52	140.76	9.74
16026	Upland-MtBaldy	39.19	140.77	9.74
16027	Upland-MtBaldy	38.62	140.78	9.74
16028	Upland-MtBaldy	37.66	140.80	9.74
16029	Upland-MtBaldy	36.40	140.81	9.74
16030	Upland-MtBaldy	35.09	140.81	9.74
16031	Upland-MtBaldy	35.71	140.82	9.74
16032	Upland-MtBaldy	32.61	140.83	9.74
16033	Upland-MtBaldy	33.01	140.84	9.74
16034	Upland-MtBaldy	33.79	140.85	10.42
16035	Upland-MtBaldy	32.87	140.86	10.42
16036	Upland-MtBaldy	31.57	140.87	10.42
16037	Upland-MtBaldy	29.88	140.88	10.42
16038	Upland-MtBaldy	28.28	140.89	10.42
16039	Upland-MtBaldy	27.16	140.89	10.42
16040	Upland-MtBaldy	26.50	140.90	10.42
16041	Upland-MtBaldy	27.94	140.91	10.42
16042	Upland-MtBaldy	30.61	140.92	10.42
16043	Upland-MtBaldy	32.42	140.92	10.42
16044	Upland-MtBaldy	32.56	140.93	10.42
16045	Upland-MtBaldy	32.31	140.94	10.42
16046	Upland-MtBaldy	34.09	140.94	10.42
16047	Upland-MtBaldy	32.15	140.96	9.29
16048	Upland-MtBaldy	34.79	140.97	9.29
16049	Upland-MtBaldy	37.35	140.98	9.29
16050	Upland-MtBaldy	37.87	140.99	9.29
16051	Upland-MtBaldy	40.96	141.00	9.29
16052	Upland-MtBaldy	41.26	141.01	9.29
16053	Upland-MtBaldy	38.89	141.02	9.29
16054	Upland-MtBaldy	36.61	141.03	9.29
16055	Upland-MtBaldy	35.59	141.04	9.29
16056	Upland-MtBaldy	34.07	141.05	9.29
16057	Upland-MtBaldy	34.02	141.05	12.10
16058	Upland-MtBaldy	33.44	141.07	12.10
16059	Upland-MtBaldy	34.85	141.08	12.10
16060	Upland-MtBaldy	35.17	141.09	12.10
16061	Upland-MtBaldy	35.36	141.10	12.10
16062	Upland-MtBaldy	34.16	141.11	12.10
16063	Upland-MtBaldy	34.12	141.12	12.10
16064	Upland-MtBaldy	31.67	141.13	12.10
16065	Upland-MtBaldy	30.39	141.14	12.10
16066	Upland-MtBaldy	30.36	141.15	12.10
16067	Upland-MtBaldy	30.35	141.15	12.10
16068	Upland-MtBaldy	32.11	141.16	12.10

Page 209 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
16225	Upland-MtBaldy	23.96	142.75	6.71
16226	Upland-MtBaldy	24.09	142.76	6.71
16227	Upland-MtBaldy	24.49	142.77	6.71
16228	Upland-MtBaldy	24.87	142.77	6.71
16229	Upland-MtBaldy	25.71	142.78	6.71
16230	Upland-MtBaldy	27.53	142.79	6.71
16231	Upland-MtBaldy	28.59	142.80	6.71
16232	Upland-MtBaldy	29.78	142.81	6.71
16233	Upland-MtBaldy	29.88	142.81	6.71
16234	Upland-MtBaldy	30.00	142.82	6.71
16235	Upland-MtBaldy	30.64	142.83	6.71
16236	Upland-MtBaldy	31.06	142.84	6.71
16237	Upland-MtBaldy	31.86	142.85	6.71
16238	Upland-MtBaldy	33.10	142.86	6.71
16239	Upland-MtBaldy	34.48	142.87	5.61
16240	Upland-MtBaldy	35.84	142.88	5.61
16241	Upland-MtBaldy	36.50	142.89	5.61
16242	Upland-MtBaldy	35.66	142.90	5.61
16243	Upland-MtBaldy	36.05	142.91	5.61
16244	Upland-MtBaldy	36.23	142.92	5.61
16245	Upland-MtBaldy	36.45	142.93	5.61
16246	Upland-MtBaldy	35.58	142.94	5.61
16247	Upland-MtBaldy	35.26	142.95	5.61
16248	Upland-MtBaldy	35.57	142.96	4.89
16249	Upland-MtBaldy	36.09	142.97	4.89
16250	Upland-MtBaldy	37.09	142.98	4.89
16251	Upland-MtBaldy	37.51	142.99	4.89
16252	Upland-MtBaldy	38.50	143.00	4.89
16253	Upland-MtBaldy	39.39	143.01	4.89
16254	Upland-MtBaldy	40.15	143.02	4.89
16255	Upland-MtBaldy	40.65	143.03	4.89
16256	Upland-MtBaldy	41.36	143.04	4.89
16257	Upland-MtBaldy	42.06	143.05	4.54
16258	Upland-MtBaldy	42.26	143.06	4.54
16259	Upland-MtBaldy	42.68	143.08	4.54
16260	Upland-MtBaldy	42.52	143.09	4.54
16261	Upland-MtBaldy	42.04	143.10	4.54
16262	Upland-MtBaldy	40.05	143.11	4.54
16263	Upland-MtBaldy	38.03	143.12	4.54
16264	Upland-MtBaldy	35.97	143.13	4.54
16265	Upland-MtBaldy	34.50	143.14	4.54
16266	Upland-MtBaldy	33.33	143.15	4.54
16267	Upland-MtBaldy	33.44	143.16	4.27
16268	Upland-MtBaldy	35.16	143.17	4.27
16269	Upland-MtBaldy	34.86	143.18	4.27
16270	Upland-MtBaldy	33.89	143.19	4.27
16271	Upland-MtBaldy	33.78	143.20	4.27
16272	Upland-MtBaldy	34.01	143.21	4.27
16273	Upland-MtBaldy	34.95	143.21	4.27
16274	Upland-MtBaldy	35.88	143.22	4.27
16275	Upland-MtBaldy	36.96	143.23	4.27
16276	Upland-MtBaldy	38.10	143.25	4.27
16277	Upland-MtBaldy	39.04	143.26	7.71
16278	Upland-MtBaldy	39.61	143.27	7.71
16279	Upland-MtBaldy	39.66	143.28	7.71
16280	Upland-MtBaldy	40.04	143.29	7.71
16281	Upland-MtBaldy	40.42	143.30	7.71
16282	Upland-MtBaldy	40.98	143.31	7.71
16283	Upland-MtBaldy	41.93	143.32	7.71
16284	Upland-MtBaldy	42.56	143.33	7.71
16285	Upland-MtBaldy	43.22	143.35	7.71
16286	Upland-MtBaldy	43.64	143.36	8.65
16287	Upland-MtBaldy	43.94	143.37	8.65
16288	Upland-MtBaldy	43.84	143.38	8.65
16289	Upland-MtBaldy	43.64	143.39	8.65
16290	Upland-MtBaldy	43.51	143.41	8.65
16291	Upland-MtBaldy	43.75	143.42	8.65
16292	Upland-MtBaldy	43.94	143.43	8.65
16293	Upland-MtBaldy	44.10	143.44	6.64
16294	Upland-MtBaldy	44.41	143.45	6.64
16295	Upland-MtBaldy	44.75	143.47	6.64
16296	Upland-MtBaldy	44.38	143.48	6.64
16297	Upland-MtBaldy	43.69	143.49	6.64
16298	Upland-MtBaldy	42.58	143.50	6.64
16299	Upland-MtBaldy	41.88	143.51	6.64
16300	Upland-MtBaldy	41.33	143.53	6.64
16301	Upland-MtBaldy	41.03	143.54	6.64
16302	Upland-MtBaldy	41.05	143.55	6.64

Page 211 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
16381	Upland-MtBaldy	21.50	144.35	9.57
16382	Upland-MtBaldy	18.28	144.36	9.57
16383	Upland-MtBaldy	14.40	144.36	9.57
16384	Upland-MtBaldy	10.11	144.37	9.57
16385	Upland-MtBaldy	6.88	144.37	9.57
16386	Upland-MtBaldy	6.33	144.37	9.57
16387	Upland-MtBaldy	6.48	144.37	9.57
16388	Upland-MtBaldy	6.33	144.37	9.57
16389	Upland-MtBaldy	6.48	144.37	9.57
16390	Upland-MtBaldy	7.68	144.38	9.57
16391	Upland-MtBaldy	9.89	144.38	9.57
16392	Upland-MtBaldy	11.80	144.38	9.57
16393	Upland-MtBaldy	12.90	144.39	9.57
16394	Upland-MtBaldy	13.20	144.39	9.57
16395	Upland-MtBaldy	13.06	144.39	9.57
16396	Upland-MtBaldy	13.01	144.40	9.57
16397	Upland-MtBaldy	12.94	144.40	9.57
16398	Upland-MtBaldy	12.76	144.40	9.57
16399	Upland-MtBaldy	12.47	144.41	9.57
16400	Upland-MtBaldy	11.94	144.41	9.57
16401	Upland-MtBaldy	11.19	144.41	9.57
16402	Upland-MtBaldy	10.39	144.42	9.57
16403	Upland-MtBaldy	9.59	144.42	9.57
16404	Upland-MtBaldy	8.37	144.42	9.57
16405	Upland-MtBaldy	7.08	144.42	9.57
16406	Upland-MtBaldy	5.80	144.43	9.57
16407	Upland-MtBaldy	5.23	144.43	9.57
16408	Upland-MtBaldy	4.56	144.43	9.57
16409	Upland-MtBaldy	3.05	144.43	9.57
16410	Upland-MtBaldy	0.87	144.43	9.57
16411	Upland-MtBaldy	0.00	144.43	9.57
16412	Upland-MtBaldy	0.00	144.43	9.57
16413	Upland-MtBaldy	0.62	144.43	9.57
16414	Upland-MtBaldy	4.26	144.43	9.57
16415	Upland-MtBaldy	5.07	144.43	9.57
16416	Upland-MtBaldy	4.79	144.43	9.57
16417	Upland-MtBaldy	5.28	144.43	9.57
16418	Upland-MtBaldy	4.58	144.44	9.57
16419	Upland-MtBaldy	2.28	144.44	9.57
16420	Upland-MtBaldy	0.17	144.44	9.57
16421	Upland-MtBaldy	0.00	144.44	9.57
16422	Upland-MtBaldy	0.00	144.44	9.57
16423	Upland-MtBaldy	0.00	144.44	9.57
16424	Upland-MtBaldy	0.00	144.44	9.57
16425	Upland-MtBaldy	0.00	144.44	9.57
16426	Upland-MtBaldy	0.00	144.44	9.57
16427	Upland-MtBaldy	0.00	144.44	9.57
16428	Upland-MtBaldy	0.00	144.44	9.57
16429	Upland-MtBaldy	0.00	144.44	9.57
16430	Upland-MtBaldy	0.00	144.44	9.57
16431	Upland-MtBaldy	0.00	144.44	9.57
16432	Upland-MtBaldy	0.00	144.44	9.57
16433	Upland-MtBaldy	0.00	144.44	9.57
16434	Upland-MtBaldy	0.00	144.44	9.57
16435	Upland-MtBaldy	0.00	144.44	9.57
16436	Upland-MtBaldy	0.00	144.44	9.57
16437	Upland-MtBaldy	0.00	144.44	9.57
16438	Upland-MtBaldy	0.00	144.44	9.57
16439	Upland-MtBaldy	0.00	144.44	9.57
16440	Upland-MtBaldy	0.00	144.44	9.57
16441	Upland-MtBaldy	0.00	144.44	9.57
16442	Upland-MtBaldy	0.00	144.44	9.57
16443	Upland-MtBaldy	0.00	144.44	9.57
16444	Upland-MtBaldy	0.00	144.44	9.57
16445	Upland-MtBaldy	0.00	144.44	9.57
16446	Upland-MtBaldy	0.00	144.44	9.57
16447	Upland-MtBaldy	0.00	144.44	9.57
16448	Upland-MtBaldy	0.00	144.44	9.57
16449	Upland-MtBaldy	0.00	144.44	9.57
16450	Upland-MtBaldy	0.00	144.44	9.57
16451	Upland-MtBaldy	0.00	144.44	9.57
16452	Upland-MtBaldy	0.00	144.44	9.57
16453	Upland-MtBaldy	0.00	144.44	9.57
16454	Upland-MtBaldy	0.00	144.44	9.57
16455	Upland-MtBaldy	0.00	144.44	9.57
16456	Upland-MtBaldy	0.00	144.44	9.57
16457	Upland-MtBaldy	0.00	144.44	9.57
16458	Upland-MtBaldy	0.00	144.44	9.57

Page 210 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
16303	Upland-MtBaldy	41.18	143.56	9.59
16304	Upland-MtBaldy	41.20	143.57	9.59
16305	Upland-MtBaldy	40.74	143.58	9.59
16306	Upland-MtBaldy	40.94	143.59	9.59
16307	Upland-MtBaldy	41.34	143.60	9.59
16308	Upland-MtBaldy	41.74	143.62	9.59
16309	Upland-MtBaldy	42.01	143.63	9.59
16310	Upland-MtBaldy	42.10	143.64	9.59
16311	Upland-MtBaldy	42.05	143.65	8.97
16312	Upland-MtBaldy	42.14	143.66	8.97
16313	Upland-MtBaldy	42.35	143.67	8.97
16314	Upland-MtBaldy	42.66	143.69	8.97
16315	Upland-MtBaldy	43.49	143.70	8.97
16316	Upland-MtBaldy	44.26	143.71	8.97
16317	Upland-MtBaldy	45.09	143.72	8.97
16318	Upland-MtBaldy	45.63	143.74	8.97
16319	Upland-MtBaldy	45.60	143.75	8.97
16320	Upland-MtBaldy	45.85	143.76	8.56
16321	Upland-MtBaldy	45.66	143.77	8.56
16322	Upland-MtBaldy	45.18	143.79	8.56
16323	Upland-MtBaldy	44.66	143.80	8.56
16324	Upland-MtBaldy	43.59	143.81	8.56
16325	Upland-MtBaldy	42.13	143.82	8.56
16326	Upland-MtBaldy	40.05	143.83	8.56
16327	Upland-MtBaldy	38.08	143.84	8.56
16328	Upland-MtBaldy	36.47	143.85	8.42
16329	Upland-MtBaldy	35.08	143.86	8.42
16330	Upland-MtBaldy	34.45	143.87	8.42
16331	Upland-MtBaldy	34.40	143.88	8.42
16332	Upland-MtBaldy	34.85	143.89	8.42
16333	Upland-MtBaldy	35.59	143.90	8.42
16334	Upland-MtBaldy	36.79	143.91	8.42
16335	Upland-MtBaldy	37.49	143.92	8.42
16336	Upland-MtBaldy	37.98	143.93	8.42
16337	Upland-MtBaldy	38.17	143.94	8.42
16338	Upland-MtBaldy	38.61	143.95	8.99
16339	Upland-MtBaldy	39.30	143.96	8.99
16340	Upland-MtBaldy	39.96	143.97	8.99
16341	Upland-MtBaldy	40.72	143.99	8.99
16342	Upland-MtBaldy	41.65	144.00	8.99
16343	Upland-MtBaldy	42.66	144.01	8.99
16344	Upland-MtBaldy	43.32	144.02	8.99
16345	Upland-MtBaldy	43.13	144.03	8.99
16346	Upland-MtBaldy	41.91	144.04	8.99
16347	Upland-MtBaldy	40.72	144.06	7.33
16348	Upland-MtBaldy	39.76	144.07	7.33
16349	Upland-MtBaldy	39.44	144.08	7.33
16350	Upland-MtBaldy	39.89	144.09	7.33
16351	Upland-MtBaldy	40.42	144.10	7.33
16352	Upland-MtBaldy	41.07	144.11	7.33
16353	Upland-MtBaldy	40.63	144.12	7.33
16354	Upland-MtBaldy	39.95	144.13	7.33
16355	Upland-MtBaldy	38.85	144.14	7.33
16356	Upland-MtBaldy	37.90	144.15	7.50
16357	Upland-MtBaldy	37.28	144.16	7.50
16358	Upland-MtBaldy	37.56	144.17	7.50
16359	Upland-MtBaldy	38.03	144.18	7.50
16360	Upland-MtBaldy	37.23	144.19	7.50
16361	Upland-MtBaldy	34.99	144.20	7.50
16362	Upland-MtBaldy	34.21	144.21	7.50
16363	Upland-MtBaldy	28.43	144.22	7.50
16364	Upland-MtBaldy	24.83	144.23	7.50
16365	Upland-MtBaldy	25.75	144.24	7.50
16366	Upland-MtBaldy	24.27	144.24	7.50
16367	Upland-MtBaldy	24.44	144.25	7.50
16368	Upland-MtBaldy	24.71	144.25	7.50
16369	Upland-MtBaldy	24.36	144.26	7.50
16370	Upland-MtBaldy	24.76	144.27	11.44
16371	Upland-MtBaldy	28.72	144.28	11.44
16372	Upland-MtBaldy	29.25	144.29	11.44
16373	Upland-MtBaldy	29.51	144.29	11.44
16374	Upland-MtBaldy	29.87	144.30	11.44
16375	Upland-MtBaldy	29.91	144.31	11.44
16376	Upland-MtBaldy	30.00	144.32	11.44
16377	Upland-MtBaldy	29.52	144.33	11.44
16378	Upland-MtBaldy	28.12	144.33	11.44
16379	Upland-MtBaldy	26.14	144.34	11.44
16380	Upland-MtBaldy	24.74	144.35	11.44

Page 213 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
16537	idlemtBaldy	0.00	144.44	9.57
16538	idlemtBaldy	0.00	144.44	9.57
16539	idlemtBaldy	0.00	144.44	9.57
16540	idlemtBaldy	0.00	144.44	9.57
16541	idlemtBaldy	0.00	144.44	9.57
16542	idlemtBaldy	0.00	144.44	9.57
16543	idlemtBaldy	0.00	144.44	9.57
16544	idlemtBaldy	0.00	144.44	9.57
16545	idlemtBaldy	0.00	144.44	9.57
16546	idlemtBaldy	0.00	144.44	9.57
16547	idlemtBaldy	0.00	144.44	9.57
16548	idlemtBaldy	0.00	144.44	9.57
16549	idlemtBaldy	0.00	144.44	9.57
16550	idlemtBaldy	0.00	144.44	9.57
16551	idlemtBaldy	0.00	144.44	9.57
16552	idlemtBaldy	0.00	144.44	9.57
16553	idlemtBaldy	0.00	144.44	9.57
16554	idlemtBaldy	0.00	144.44	9.57
16555	idlemtBaldy	0.00	144.44	9.57
16556	idlemtBaldy	0.00	144.44	9.57
16557	idlemtBaldy	0.00	144.44	9.57
16558	idlemtBaldy	0.00	144.44	9.57
16559	idlemtBaldy	0.00	144.44	9.57
16560	idlemtBaldy	0.00	144.44	9.57
16561	idlemtBaldy	0.00	144.44	9.57
16562	idlemtBaldy	0.00	144.44	9.57
16563	idlemtBaldy	0.00	144.44	9.57
16564	idlemtBaldy	0.00	144.44	9.57
16565	idlemtBaldy	0.00	144.44	9.57
16566	idlemtBaldy	0.00	144.44	9.57
16567	idlemtBaldy	0.00	144.44	9.57
16568	idlemtBaldy	0.00	144.44	9.57
16569	idlemtBaldy	0.00	144.44	9.57
16570	idlemtBaldy	0.00	144.44	9.57
16571	idlemtBaldy	0.00	144.44	9.57
16572	idlemtBaldy	0.00	144.44	9.57
16573	idlemtBaldy	0.00	144.44	9.57
16574	idlemtBaldy	0.00	144.44	9.57
16575	idlemtBaldy	0.00	144.44	9.57
16576	idlemtBaldy	0.00	144.44	9.57
16577	idlemtBaldy	0.00	144.44	9.57
16578	idlemtBaldy	0.00	144.44	9.57
16579	idlemtBaldy	0.00	144.44	9.57
16580	idlemtBaldy	0.00	144.44	9.57
16581	idlemtBaldy	0.00	144.44	9.57
16582	idlemtBaldy	0.00	144.44	9.57
16583	idlemtBaldy	0.00	144.44	9.57
16584	idlemtBaldy	0.00	144.44	9.57
16585	idlemtBaldy	0.00	144.44	9.57
16586	idlemtBaldy	0.00	144.44	9.57
16587	idlemtBaldy	0.00	144.44	9.57
16588	idlemtBaldy	0.00	144.44	9.57
16589	idlemtBaldy	0.00	144.44	9.57
16590	idlemtBaldy	0.00	144.44	9.57
16591	idlemtBaldy	0.00	144.44	9.57
16592	idlemtBaldy	0.00	144.44	9.57
16593	idlemtBaldy	0.00	144.44	9.57
16594	idlemtBaldy	0.00	144.44	9.57
16595	idlemtBaldy	0.00	144.44	9.57
16596	idlemtBaldy	0.00	144.44	9.57
16597	idlemtBaldy	0.00	144.44	9.57
16598	idlemtBaldy	0.00	144.44	9.57
16599	idlemtBaldy	0.00	144.44	9.57
16600	idlemtBaldy	0.00	144.44	9.57
16601	idlemtBaldy	0.00	144.44	9.57
16602	idlemtBaldy	0.00	144.44	9.57
16603	idlemtBaldy	0.00	144.44	9.57
16604	idlemtBaldy	0.00	144.44	9.57
16605	idlemtBaldy	0.00	144.44	9.57
16606	idlemtBaldy	0.00	144.44	9.57
16607	idlemtBaldy	0.00	144.44	9.57
16608	idlemtBaldy	0.00	144.44	9.57
16609	idlemtBaldy	0.00	144.44	9.57
16610	idlemtBaldy	0.00	144.44	9.57
16611	idlemtBaldy	0.00	144.44	9.57
16612	idlemtBaldy	0.00	144.44	9.57
16613	idlemtBaldy	0.00	144.44	9.57
16614	idlemtBaldy	0.00	144.44	9.57

Page 215 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
16693	MTBaldy-Upland	42.39	145.10	-7.36
16694	MTBaldy-Upland	41.46	145.11	-7.36
16695	MTBaldy-Upland	40.52	145.12	-7.36
16696	MTBaldy-Upland	40.06	145.13	-7.36
16697	MTBaldy-Upland	40.48	145.15	-7.36
16698	MTBaldy-Upland	39.90	145.16	-7.20
16699	MTBaldy-Upland	39.02	145.17	-7.20
16700	MTBaldy-Upland	37.74	145.18	-7.20
16701	MTBaldy-Upland	36.57	145.19	-7.20
16702	MTBaldy-Upland	35.84	145.20	-7.20
16703	MTBaldy-Upland	35.11	145.21	-7.20
16704	MTBaldy-Upland	35.17	145.22	-7.20
16705	MTBaldy-Upland	35.68	145.23	-7.20
16706	MTBaldy-Upland	36.35	145.24	-7.20
16707	MTBaldy-Upland	37.09	145.25	-7.20
16708	MTBaldy-Upland	38.21	145.26	-10.29
16709	MTBaldy-Upland	39.45	145.27	-10.29
16710	MTBaldy-Upland	40.58	145.28	-10.29
16711	MTBaldy-Upland	40.46	145.29	-10.29
16712	MTBaldy-Upland	39.91	145.30	-10.29
16713	MTBaldy-Upland	39.19	145.31	-10.29
16714	MTBaldy-Upland	38.76	145.32	-10.29
16715	MTBaldy-Upland	38.59	145.33	-10.29
16716	MTBaldy-Upland	39.34	145.34	-10.29
16717	MTBaldy-Upland	40.20	145.35	-7.90
16718	MTBaldy-Upland	40.61	145.37	-7.90
16719	MTBaldy-Upland	40.28	145.38	-7.90
16720	MTBaldy-Upland	39.91	145.39	-7.90
16721	MTBaldy-Upland	39.69	145.40	-7.90
16722	MTBaldy-Upland	39.42	145.41	-7.90
16723	MTBaldy-Upland	38.82	145.42	-7.90
16724	MTBaldy-Upland	38.14	145.43	-7.90
16725	MTBaldy-Upland	37.18	145.44	-7.90
16726	MTBaldy-Upland	35.98	145.45	-8.06
16727	MTBaldy-Upland	34.39	145.46	-8.06
16728	MTBaldy-Upland	32.95	145.47	-8.06
16729	MTBaldy-Upland	32.83	145.48	-8.06
16730	MTBaldy-Upland	32.83	145.49	-8.06
16731	MTBaldy-Upland	31.77	145.50	-8.06
16732	MTBaldy-Upland	31.01	145.50	-8.06
16733	MTBaldy-Upland	30.39	145.51	-8.06
16734	MTBaldy-Upland	29.81	145.52	-8.06
16735	MTBaldy-Upland	28.82	145.53	-8.06
16736	MTBaldy-Upland	27.49	145.54	-8.06
16737	MTBaldy-Upland	26.56	145.54	-8.06
16738	MTBaldy-Upland	25.05	145.55	-9.40
16739	MTBaldy-Upland	24.41	145.56	-9.40
16740	MTBaldy-Upland	24.34	145.56	-9.40
16741	MTBaldy-Upland	25.11	145.57	-9.40
16742	MTBaldy-Upland	24.60	145.58	-9.40
16743	MTBaldy-Upland	24.24	145.58	-9.40
16744	MTBaldy-Upland	23.43	145.59	-9.40
16745	MTBaldy-Upland	22.26	145.60	-9.40
16746	MTBaldy-Upland	21.77	145.60	-9.40
16747	MTBaldy-Upland	23.04	145.61	-9.40
16748	MTBaldy-Upland	25.21	145.62	-9.40
16749	MTBaldy-Upland	28.08	145.62	-9.40
16750	MTBaldy-Upland	31.10	145.63	-9.40
16751	MTBaldy-Upland	34.02	145.64	-9.40
16752	MTBaldy-Upland	36.79	145.65	-8.18
16753	MTBaldy-Upland	39.23	145.66	-8.18
16754	MTBaldy-Upland	41.78	145.67	-8.18
16755	MTBaldy-Upland	43.39	145.69	-8.18
16756	MTBaldy-Upland	43.81	145.70	-8.18
16757	MTBaldy-Upland	44.63	145.71	-8.18
16758	MTBaldy-Upland	45.43	145.72	-8.18
16759	MTBaldy-Upland	46.12	145.74	-8.18
16760	MTBaldy-Upland	46.86	145.75	-8.18
16761	MTBaldy-Upland	47.62	145.76	-4.68
16762	MTBaldy-Upland	47.43	145.78	-4.68
16763	MTBaldy-Upland	45.28	145.79	-4.68
16764	MTBaldy-Upland	42.74	145.80	-4.68
16765	MTBaldy-Upland	40.71	145.81	-4.68
16766	MTBaldy-Upland	38.41	145.82	-4.68
16767	MTBaldy-Upland	36.81	145.83	-4.68
16768	MTBaldy-Upland	35.76	145.84	-4.68
16769	MTBaldy-Upland	35.27	145.85	-8.23
16770	MTBaldy-Upland	34.87	145.86	-8.23

Page 214 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
16615	MTBaldy-Upland	1.47	144.44	9.57
16616	MTBaldy-Upland	3.59	144.44	9.57
16617	MTBaldy-Upland	6.94	144.44	9.57
16618	MTBaldy-Upland	8.91	144.44	9.57
16619	MTBaldy-Upland	9.73	144.45	9.57
16620	MTBaldy-Upland	9.86	144.45	9.57
16621	MTBaldy-Upland	9.61	144.45	7.59
16622	MTBaldy-Upland	9.85	144.45	7.59
16623	MTBaldy-Upland	10.94	144.46	7.59
16624	MTBaldy-Upland	12.47	144.46	7.59
16625	MTBaldy-Upland	14.27	144.46	7.59
16626	MTBaldy-Upland	16.22	144.47	7.59
16627	MTBaldy-Upland	18.25	144.47	7.59
16628	MTBaldy-Upland	19.38	144.48	7.59
16629	MTBaldy-Upland	19.55	144.48	7.59
16630	MTBaldy-Upland	19.17	144.49	7.59
16631	MTBaldy-Upland	18.01	144.49	7.59
16632	MTBaldy-Upland	16.59	144.50	7.59
16633	MTBaldy-Upland	15.18	144.50	7.59
16634	MTBaldy-Upland	13.70	144.51	7.59
16635	MTBaldy-Upland	12.12	144.51	7.59
16636	MTBaldy-Upland	9.92	144.51	7.59
16637	MTBaldy-Upland	7.59	144.51	7.59
16638	MTBaldy-Upland	6.54	144.52	7.59
16639	MTBaldy-Upland	8.72	144.52	7.59
16640	MTBaldy-Upland	12.87	144.52	7.59
16641	MTBaldy-Upland	18.83	144.53	7.59
16642	MTBaldy-Upland	26.54	144.53	7.59
16643	MTBaldy-Upland	34.14	144.54	7.59
16644	MTBaldy-Upland	39.87	144.56	10.00
16645	MTBaldy-Upland	44.49	144.57	10.00
16646	MTBaldy-Upland	46.29	144.58	10.00
16647	MTBaldy-Upland	46.40	144.59	10.00
16648	MTBaldy-Upland	45.74	144.61	10.00
16649	MTBaldy-Upland	44.92	144.62	10.00
16650	MTBaldy-Upland	45.16	144.63	10.00
16651	MTBaldy-Upland	43.58	144.64	10.00
16652	MTBaldy-Upland	42.19	144.65	-15.76
16653	MTBaldy-Upland	40.93	144.67	-15.76
16654	MTBaldy-Upland	39.63	144.68	-15.76
16655	MTBaldy-Upland	38.51	144.69	-15.76
16656	MTBaldy-Upland	37.38	144.70	-15.76
16657	MTBaldy-Upland	36.60	144.71	-15.76
16658	MTBaldy-Upland	37.57	144.72	-15.76
16659	MTBaldy-Upland	38.71	144.73	-15.76
16660	MTBaldy-Upland	39.94	144.74	-15.76
16661	MTBaldy-Upland	40.92	144.75	-10.09
16662	MTBaldy-Upland	40.92	144.76	-10.09
16663	MTBaldy-Upland	40.41	144.77	-10.09
16664	MTBaldy-Upland	39.98	144.78	-10.09
16665	MTBaldy-Upland	39.58	144.79	-10.09
16666	MTBaldy-Upland	39.06	144.81	-10.09
16667	MTBaldy-Upland	38.44	144.82	-10.09
16668	MTBaldy-Upland	37.61	144.83	-10.09
16669	MTBaldy-Upland	37.89	144.84	-10.09
16670	MTBaldy-Upland	38.67	144.85	-10.09
16671	MTBaldy-Upland	38.00	144.86	-8.48
16672	MTBaldy-Upland	36.58	144.87	-8.48
16673	MTBaldy-Upland	35.24	144.88	-8.48
16674	MTBaldy-Upland	33.99	144.89	-8.48
16675	MTBaldy-Upland	32.99	144.90	-8.48
16676	MTBaldy-Upland	33.62	144.90	-8.48
16677	MTBaldy-Upland	35.67	144.91	-8.48
16678	MTBaldy-Upland	38.54	144.93	-8.48
16679	MTBaldy-Upland	40.36	144.94	-8.48
16680	MTBaldy-Upland	41.92	144.95	-8.48
16681	MTBaldy-Upland	43.21	144.96	-12.24
16682	MTBaldy-Upland	44.20	144.97	-12.24
16683	MTBaldy-Upland	44.17	144.98	-12.24
16684	MTBaldy-Upland	43.21	145.00	-12.24
16685	MTBaldy-Upland	41.96	145.01	-12.24
16686	MTBaldy-Upland	40.81	145.02	-12.24
16687	MTBaldy-Upland	40.63	145.03	-12.24
16688	MTBaldy-Upland	40.63	145.04	-12.24
16689	MTBaldy-Upland	42.34	145.05	-7.36
16690	MTBaldy-Upland	43.03	145.06	-7.36
16691	MTBaldy-Upland	43.03	145.07	-7.36
16692	MTBaldy-Upland	43.22	145.09	-7.36

Page 217 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
16849	MidBaldy-Upland	26.00	146.37	-6.45
16850	MidBaldy-Upland	26.57	146.37	-6.45
16851	MidBaldy-Upland	27.01	146.38	-6.45
16852	MidBaldy-Upland	26.63	146.39	-6.45
16853	MidBaldy-Upland	25.92	146.40	-6.45
16854	MidBaldy-Upland	25.04	146.40	-6.45
16855	MidBaldy-Upland	24.11	146.41	-6.45
16856	MidBaldy-Upland	24.30	146.42	-6.45
16857	MidBaldy-Upland	24.84	146.42	-6.45
16858	MidBaldy-Upland	25.49	146.43	-6.45
16859	MidBaldy-Upland	25.96	146.44	-6.45
16860	MidBaldy-Upland	26.01	146.45	-6.45
16861	MidBaldy-Upland	25.56	146.45	-6.45
16862	MidBaldy-Upland	25.65	146.46	-6.45
16863	MidBaldy-Upland	26.05	146.47	-6.45
16864	MidBaldy-Upland	26.41	146.47	-6.45
16865	MidBaldy-Upland	26.80	146.48	-6.45
16866	MidBaldy-Upland	26.93	146.49	-6.45
16867	MidBaldy-Upland	27.01	146.50	-6.45
16868	MidBaldy-Upland	27.18	146.50	-6.45
16869	MidBaldy-Upland	27.52	146.51	-6.45
16870	MidBaldy-Upland	27.96	146.52	-6.45
16871	MidBaldy-Upland	27.84	146.53	-6.45
16872	MidBaldy-Upland	28.22	146.53	-6.45
16873	MidBaldy-Upland	27.74	146.54	-6.45
16874	MidBaldy-Upland	27.00	146.55	-6.45
16875	MidBaldy-Upland	25.56	146.56	-9.13
16876	MidBaldy-Upland	24.72	146.56	-9.13
16877	MidBaldy-Upland	24.52	146.57	-9.13
16878	MidBaldy-Upland	24.44	146.58	-9.13
16879	MidBaldy-Upland	24.27	146.58	-9.13
16880	MidBaldy-Upland	24.13	146.59	-9.13
16881	MidBaldy-Upland	24.05	146.60	-9.13
16882	MidBaldy-Upland	24.08	146.60	-9.13
16883	MidBaldy-Upland	24.18	146.61	-9.13
16884	MidBaldy-Upland	23.92	146.62	-9.13
16885	MidBaldy-Upland	23.33	146.62	-9.13
16886	MidBaldy-Upland	23.70	146.63	-9.13
16887	MidBaldy-Upland	25.50	146.64	-9.13
16888	MidBaldy-Upland	27.11	146.64	-9.13
16889	MidBaldy-Upland	28.41	146.65	-5.96
16890	MidBaldy-Upland	29.93	146.66	-5.96
16891	MidBaldy-Upland	31.72	146.67	-5.96
16892	MidBaldy-Upland	32.93	146.68	-5.96
16893	MidBaldy-Upland	33.90	146.69	-5.96
16894	MidBaldy-Upland	34.41	146.70	-5.96
16895	MidBaldy-Upland	34.75	146.71	-5.96
16896	MidBaldy-Upland	34.88	146.72	-5.96
16897	MidBaldy-Upland	34.76	146.72	-5.96
16898	MidBaldy-Upland	34.89	146.73	-5.96
16899	MidBaldy-Upland	35.87	146.74	-5.96
16900	MidBaldy-Upland	36.42	146.75	-5.50
16901	MidBaldy-Upland	37.43	146.76	-3.50
16902	MidBaldy-Upland	35.80	146.77	-3.50
16903	MidBaldy-Upland	33.75	146.78	-5.50
16904	MidBaldy-Upland	32.08	146.79	-3.50
16905	MidBaldy-Upland	31.71	146.80	-3.50
16906	MidBaldy-Upland	32.29	146.81	-3.50
16907	MidBaldy-Upland	32.71	146.82	-3.50
16908	MidBaldy-Upland	33.29	146.83	-3.50
16909	MidBaldy-Upland	33.76	146.84	-3.50
16910	MidBaldy-Upland	34.23	146.85	-3.50
16911	MidBaldy-Upland	34.72	146.86	-5.16
16912	MidBaldy-Upland	35.08	146.87	-5.16
16913	MidBaldy-Upland	35.54	146.88	-5.16
16914	MidBaldy-Upland	35.94	146.89	-5.16
16915	MidBaldy-Upland	35.97	146.90	-5.16
16916	MidBaldy-Upland	34.64	146.91	-5.16
16917	MidBaldy-Upland	32.95	146.91	-5.16
16918	MidBaldy-Upland	31.49	146.92	-5.16
16919	MidBaldy-Upland	31.06	146.93	-5.16
16920	MidBaldy-Upland	31.53	146.94	-5.16
16921	MidBaldy-Upland	31.89	146.95	-5.16
16922	MidBaldy-Upland	32.20	146.96	-10.39
16923	MidBaldy-Upland	32.52	146.97	-10.39
16924	MidBaldy-Upland	32.94	146.98	-10.39
16925	MidBaldy-Upland	33.36	146.98	-10.39
16926	MidBaldy-Upland	33.60	146.99	-10.39

Page 219 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
17005	MidBaldy-Upland	28.62	147.72	-3.12
17006	MidBaldy-Upland	28.03	147.73	-3.12
17007	MidBaldy-Upland	28.09	147.73	-3.12
17008	MidBaldy-Upland	28.18	147.74	-3.12
17009	MidBaldy-Upland	28.22	147.75	-3.12
17010	MidBaldy-Upland	28.08	147.76	-4.85
17011	MidBaldy-Upland	28.54	147.77	-4.85
17012	MidBaldy-Upland	30.23	147.77	-4.85
17013	MidBaldy-Upland	30.64	147.78	-4.85
17014	MidBaldy-Upland	32.45	147.79	-4.85
17015	MidBaldy-Upland	32.73	147.80	-4.85
17016	MidBaldy-Upland	32.86	147.81	-4.85
17017	MidBaldy-Upland	33.52	147.82	-4.85
17018	MidBaldy-Upland	33.32	147.83	-4.85
17019	MidBaldy-Upland	32.92	147.84	-4.85
17020	MidBaldy-Upland	32.51	147.85	-4.85
17021	MidBaldy-Upland	32.30	147.85	-14.71
17022	MidBaldy-Upland	32.88	147.86	-14.71
17023	MidBaldy-Upland	33.07	147.87	-14.71
17024	MidBaldy-Upland	32.64	147.88	-14.71
17025	MidBaldy-Upland	32.41	147.89	-14.71
17026	MidBaldy-Upland	32.80	147.90	-14.71
17027	MidBaldy-Upland	32.92	147.91	-14.71
17028	MidBaldy-Upland	32.65	147.92	-14.71
17029	MidBaldy-Upland	32.27	147.93	-14.71
17030	MidBaldy-Upland	32.25	147.94	-14.71
17031	MidBaldy-Upland	32.38	147.94	-14.71
17032	MidBaldy-Upland	32.43	147.95	-10.84
17033	MidBaldy-Upland	32.35	147.96	-10.84
17034	MidBaldy-Upland	32.24	147.97	-10.84
17035	MidBaldy-Upland	32.37	147.98	-10.84
17036	MidBaldy-Upland	35.04	147.99	-10.84
17037	MidBaldy-Upland	38.44	148.00	-10.84
17038	MidBaldy-Upland	40.84	148.01	-10.84
17039	MidBaldy-Upland	39.83	148.02	-10.84
17040	MidBaldy-Upland	36.37	148.03	-10.84
17041	MidBaldy-Upland	33.52	148.04	-10.84
17042	MidBaldy-Upland	31.21	148.05	-10.84
17043	MidBaldy-Upland	30.07	148.06	-11.36
17044	MidBaldy-Upland	29.82	148.07	-11.36
17045	MidBaldy-Upland	30.54	148.07	-11.36
17046	MidBaldy-Upland	31.21	148.08	-11.36
17047	MidBaldy-Upland	31.38	148.09	-11.36
17048	MidBaldy-Upland	30.94	148.10	-11.36
17049	MidBaldy-Upland	30.43	148.11	-11.36
17050	MidBaldy-Upland	30.23	148.12	-11.36
17051	MidBaldy-Upland	30.74	148.13	-11.36
17052	MidBaldy-Upland	30.33	148.13	-11.36
17053	MidBaldy-Upland	28.97	148.14	-11.36
17054	MidBaldy-Upland	27.40	148.15	-11.36
17055	MidBaldy-Upland	26.69	148.16	-10.44
17056	MidBaldy-Upland	27.25	148.16	-10.44
17057	MidBaldy-Upland	28.14	148.17	-10.44
17058	MidBaldy-Upland	29.47	148.18	-10.44
17059	MidBaldy-Upland	31.27	148.19	-10.44
17060	MidBaldy-Upland	32.07	148.20	-10.44
17061	MidBaldy-Upland	32.71	148.21	-10.44
17062	MidBaldy-Upland	33.38	148.22	-10.44
17063	MidBaldy-Upland	33.43	148.22	-10.44
17064	MidBaldy-Upland	32.75	148.23	-10.44
17065	MidBaldy-Upland	32.01	148.24	-10.44
17066	MidBaldy-Upland	31.08	148.25	-11.67
17067	MidBaldy-Upland	30.41	148.26	-11.67
17068	MidBaldy-Upland	30.99	148.27	-11.67
17069	MidBaldy-Upland	31.90	148.28	-11.67
17070	MidBaldy-Upland	33.42	148.29	-11.67
17071	MidBaldy-Upland	34.27	148.30	-11.67
17072	MidBaldy-Upland	34.53	148.31	-11.67
17073	MidBaldy-Upland	34.14	148.31	-11.67
17074	MidBaldy-Upland	33.03	148.32	-11.67
17075	MidBaldy-Upland	31.42	148.33	-11.67
17076	MidBaldy-Upland	29.81	148.34	-11.67
17077	MidBaldy-Upland	28.20	148.35	-11.67
17078	MidBaldy-Upland	27.52	148.36	-9.20
17079	MidBaldy-Upland	28.13	148.36	-9.20
17080	MidBaldy-Upland	29.87	148.37	-9.20
17081	MidBaldy-Upland	31.16	148.38	-9.20
17082	MidBaldy-Upland	31.63	148.39	-9.20

Page 218 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
16927	MidBaldy-Upland	33.97	147.00	-10.39
16928	MidBaldy-Upland	34.36	147.01	-10.39
16929	MidBaldy-Upland	34.57	147.02	-10.39
16930	MidBaldy-Upland	34.85	147.03	-10.39
16931	MidBaldy-Upland	34.44	147.04	-10.39
16932	MidBaldy-Upland	33.68	147.05	-9.36
16933	MidBaldy-Upland	33.08	147.06	-9.36
16934	MidBaldy-Upland	33.27	147.07	-9.36
16935	MidBaldy-Upland	33.56	147.08	-9.36
16936	MidBaldy-Upland	33.95	147.09	-9.36
16937	MidBaldy-Upland	34.33	147.10	-9.36
16938	MidBaldy-Upland	34.57	147.11	-9.36
16939	MidBaldy-Upland	34.90	147.12	-9.36
16940	MidBaldy-Upland	35.26	147.13	-9.36
16941	MidBaldy-Upland	34.88	147.14	-9.36
16942	MidBaldy-Upland	34.14	147.14	-9.36
16943	MidBaldy-Upland	33.29	147.15	-8.40
16944	MidBaldy-Upland	32.46	147.16	-8.40
16945	MidBaldy-Upland	32.65	147.17	-8.40
16946	MidBaldy-Upland	33.02	147.18	-8.40
16947	MidBaldy-Upland	33.44	147.19	-8.40
16948	MidBaldy-Upland	33.74	147.20	-8.40
16949	MidBaldy-Upland	34.32	147.21	-8.40
16950	MidBaldy-Upland	34.79	147.22	-8.40
16951	MidBaldy-Upland	35.38	147.23	-8.40
16952	MidBaldy-Upland	35.89	147.24	-8.40
16953	MidBaldy-Upland	36.35	147.25	-8.40
16954	MidBaldy-Upland	36.79	147.26	-10.05
16955	MidBaldy-Upland	37.05	147.27	-10.05
16956	MidBaldy-Upland	37.86	147.28	-10.05
16957	MidBaldy-Upland	38.60	147.29	-10.05
16958	MidBaldy-Upland	38.01	147.30	-10.05
16959	MidBaldy-Upland	36.78	147.31	-10.05
16960	MidBaldy-Upland	34.99	147.32	-10.05
16961	MidBaldy-Upland	34.27	147.33	-10.05
16962	MidBaldy-Upland	34.82	147.34	-10.05
16963	MidBaldy-Upland	35.31	147.35	-10.05
16964	MidBaldy-Upland	35.26	147.36	-7.99
16965	MidBaldy-Upland	35.12	147.37	-7.99
16966	MidBaldy-Upland	34.75	147.38	-7.99
16967	MidBaldy-Upland	34.16	147.39	-7.99
16968	MidBaldy-Upland	33.29	147.40	-7.99
16969	MidBaldy-Upland	32.24	147.40	-7.99
16970	MidBaldy-Upland	31.88	147.41	-7.99
16971	MidBaldy-Upland	32.12	147.42	-7.99
16972	MidBaldy-Upland	32.92	147.43	-7.99
16973	MidBaldy-Upland	33.84	147.44	-7.99
16974	MidBaldy-Upland	34.36	147.45	-7.99
16975	MidBaldy-Upland	33.36	147.46	-9.83
16976	MidBaldy-Upland	32.10	147.47	-9.83
16977	MidBaldy-Upland	30.99	147.48	-9.83
16978	MidBaldy-Upland	30.26	147.48	-9.83
16979	MidBaldy-Upland	29.69	147.49	-9.83
16980	MidBaldy-Upland	29.36	147.50	-8.83
16981	MidBaldy-Upland	30.02	147.51	-8.83
16982	MidBaldy-Upland	31.11	147.52	-8.83
16983	MidBaldy-Upland	30.58	147.53	-8.83
16984	MidBaldy-Upland	29.40	147.53	-8.83
16985	MidBaldy-Upland	28.58	147.54	-8.83
16986	MidBaldy-Upland	27.55	147.55	-8.83
16987	MidBaldy-Upland	29.36	147.56	-1.40
16988	MidBaldy-Upland	29.95	147.57	-1.40
16989	MidBaldy-Upland	30.57	147.57	-1.40
16990	MidBaldy-Upland	30.15	147.58	-1.40
16991	MidBaldy-Upland	30.76	147.59	-1.40
16992	MidBaldy-Upland	30.52	147.60	-1.40
16993	MidBaldy-Upland	30.62	147.61	-1.40
16994	MidBaldy-Upland	32.86	147.62	-1.40
16995	MidBaldy-Upland	35.45	147.63	-1.40
16996	MidBaldy-Upland	37.54	147.64	-1.40
16997	MidBaldy-Upland	38.17	147.65	-1.40
16998	MidBaldy-Upland	37.57	147.66	-3.12
16999	MidBaldy-Upland	36.67	147.67	-3.12
17000	MidBaldy-Upland	33.57	147.68	-3.12
17001	MidBaldy-Upland	32.25	147.69	-3.12
17002	MidBaldy-Upland	31.39	147.69	-3.12
17003	MidBaldy-Upland	30.70	147.70	-3.12
17004	MidBaldy-Upland	29.67	147.71	-3.12

Page 221 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
17161	MTBally-Upland	39.02	149.12	-9.33
17162	MTBally-Upland	37.95	149.13	-9.33
17163	MTBally-Upland	36.22	149.14	-9.33
17164	MTBally-Upland	35.34	149.15	-9.33
17165	MTBally-Upland	35.18	149.16	-10.15
17166	MTBally-Upland	34.72	149.17	-10.15
17167	MTBally-Upland	35.31	149.18	-10.15
17168	MTBally-Upland	35.23	149.19	-10.15
17169	MTBally-Upland	35.05	149.20	-10.15
17170	MTBally-Upland	34.81	149.21	-10.15
17171	MTBally-Upland	34.45	149.22	-10.15
17172	MTBally-Upland	34.50	149.23	-10.15
17173	MTBally-Upland	35.45	149.23	-10.15
17174	MTBally-Upland	35.17	149.24	-10.15
17175	MTBally-Upland	34.77	149.25	-8.33
17176	MTBally-Upland	34.19	149.26	-8.33
17177	MTBally-Upland	33.59	149.27	-8.33
17178	MTBally-Upland	32.60	149.28	-8.33
17179	MTBally-Upland	31.42	149.29	-8.33
17180	MTBally-Upland	31.23	149.30	-8.33
17181	MTBally-Upland	32.34	149.31	-8.33
17182	MTBally-Upland	33.38	149.32	-8.33
17183	MTBally-Upland	33.68	149.33	-8.33
17184	MTBally-Upland	32.61	149.34	-8.33
17185	MTBally-Upland	33.33	149.34	-8.33
17186	MTBally-Upland	34.36	149.35	-9.40
17187	MTBally-Upland	35.66	149.36	-9.40
17188	MTBally-Upland	37.06	149.37	-9.40
17189	MTBally-Upland	37.56	149.38	-9.40
17190	MTBally-Upland	36.70	149.39	-9.40
17191	MTBally-Upland	36.60	149.40	-9.40
17192	MTBally-Upland	36.33	149.41	-9.40
17193	MTBally-Upland	35.38	149.42	-9.40
17194	MTBally-Upland	34.81	149.43	-9.40
17195	MTBally-Upland	33.76	149.44	-9.40
17196	MTBally-Upland	33.75	149.45	-6.16
17197	MTBally-Upland	33.33	149.46	-6.16
17198	MTBally-Upland	32.15	149.47	-6.16
17199	MTBally-Upland	31.75	149.48	-6.16
17200	MTBally-Upland	31.91	149.49	-6.16
17201	MTBally-Upland	32.13	149.50	-6.16
17202	MTBally-Upland	32.39	149.51	-6.16
17203	MTBally-Upland	32.65	149.51	-6.16
17204	MTBally-Upland	33.14	149.52	-6.16
17205	MTBally-Upland	33.69	149.53	-6.16
17206	MTBally-Upland	34.95	149.54	-6.16
17207	MTBally-Upland	35.37	149.55	-3.26
17208	MTBally-Upland	35.88	149.56	-3.26
17209	MTBally-Upland	36.47	149.57	-3.26
17210	MTBally-Upland	36.50	149.58	-3.26
17211	MTBally-Upland	35.18	149.59	-3.26
17212	MTBally-Upland	33.17	149.60	-3.26
17213	MTBally-Upland	32.68	149.61	-3.26
17214	MTBally-Upland	33.40	149.62	-3.26
17215	MTBally-Upland	34.36	149.63	-3.26
17216	MTBally-Upland	35.53	149.64	-3.26
17217	MTBally-Upland	36.66	149.65	-3.26
17218	MTBally-Upland	36.58	149.66	-2.45
17219	MTBally-Upland	36.18	149.67	-2.45
17220	MTBally-Upland	36.83	149.68	-2.45
17221	MTBally-Upland	37.05	149.69	-2.45
17222	MTBally-Upland	36.90	149.70	-2.45
17223	MTBally-Upland	36.64	149.71	-2.45
17224	MTBally-Upland	36.78	149.72	-2.45
17225	MTBally-Upland	36.86	149.73	-2.45
17226	MTBally-Upland	36.85	149.74	-2.45
17227	MTBally-Upland	37.17	149.75	-2.45
17228	MTBally-Upland	38.02	149.76	1.35
17229	MTBally-Upland	38.66	149.77	1.35
17230	MTBally-Upland	38.97	149.78	1.35
17231	MTBally-Upland	38.98	149.79	1.35
17232	MTBally-Upland	38.38	149.80	1.35
17233	MTBally-Upland	37.40	149.81	1.35
17234	MTBally-Upland	36.32	149.82	1.35
17235	MTBally-Upland	35.35	149.83	1.35
17236	MTBally-Upland	35.17	149.84	1.35
17237	MTBally-Upland	35.43	149.85	1.83
17238	MTBally-Upland	35.63	149.86	1.83

Page 223 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
17317	MTBally-Upland	35.00	150.67	-4.68
17318	MTBally-Upland	35.33	150.67	-4.68
17319	MTBally-Upland	35.62	150.68	-4.68
17320	MTBally-Upland	35.96	150.69	-4.68
17321	MTBally-Upland	36.27	150.70	-4.68
17322	MTBally-Upland	36.64	150.71	-4.68
17323	MTBally-Upland	36.50	150.72	-4.68
17324	MTBally-Upland	35.23	150.73	-4.68
17325	MTBally-Upland	33.73	150.74	-4.68
17326	MTBally-Upland	32.43	150.75	-5.45
17327	MTBally-Upland	31.12	150.76	-5.45
17328	MTBally-Upland	29.76	150.77	-5.45
17329	MTBally-Upland	28.94	150.78	-5.45
17330	MTBally-Upland	28.90	150.79	-5.45
17331	MTBally-Upland	29.78	150.79	-5.45
17332	MTBally-Upland	31.43	150.80	-5.45
17333	MTBally-Upland	34.54	150.81	-5.45
17334	MTBally-Upland	38.75	150.82	-5.45
17335	MTBally-Upland	42.29	150.83	-5.45
17336	MTBally-Upland	45.29	150.85	-5.45
17337	MTBally-Upland	48.21	150.86	-4.89
17338	MTBally-Upland	51.33	150.87	-4.89
17339	MTBally-Upland	53.12	150.89	-4.89
17340	MTBally-Upland	52.81	150.90	-4.89
17341	MTBally-Upland	52.70	150.92	-4.89
17342	MTBally-Upland	53.14	150.93	-4.89
17343	MTBally-Upland	53.48	150.95	-4.89
17344	MTBally-Upland	53.45	150.96	-8.93
17345	MTBally-Upland	52.47	150.98	-8.93
17346	MTBally-Upland	51.37	150.99	-8.93
17347	MTBally-Upland	52.29	151.00	-8.93
17348	MTBally-Upland	52.58	151.02	-8.93
17349	MTBally-Upland	53.00	151.03	-8.93
17350	MTBally-Upland	53.82	151.05	-8.93
17351	MTBally-Upland	53.99	151.06	-9.13
17352	MTBally-Upland	53.70	151.08	-9.13
17353	MTBally-Upland	53.12	151.09	-9.13
17354	MTBally-Upland	52.45	151.11	-9.13
17355	MTBally-Upland	52.05	151.12	-9.13
17356	MTBally-Upland	52.06	151.14	-9.13
17357	MTBally-Upland	52.43	151.15	-9.13
17358	MTBally-Upland	52.29	151.16	-8.40
17359	MTBally-Upland	51.63	151.18	-8.40
17360	MTBally-Upland	52.06	151.19	-8.40
17361	MTBally-Upland	53.06	151.21	-8.40
17362	MTBally-Upland	53.80	151.22	-8.40
17363	MTBally-Upland	53.54	151.24	-8.40
17364	MTBally-Upland	53.09	151.25	-3.22
17365	MTBally-Upland	53.96	151.27	-3.22
17366	MTBally-Upland	53.97	151.28	-3.22
17367	MTBally-Upland	53.40	151.30	-3.22
17368	MTBally-Upland	53.17	151.31	-3.22
17369	MTBally-Upland	53.09	151.32	-3.22
17370	MTBally-Upland	53.60	151.34	-3.22
17371	MTBally-Upland	53.66	151.35	-3.22
17372	MTBally-Upland	53.42	151.37	-3.22
17373	MTBally-Upland	53.28	151.38	-3.23
17374	MTBally-Upland	53.05	151.40	-3.23
17375	MTBally-Upland	52.95	151.41	-3.23
17376	MTBally-Upland	52.62	151.43	-3.23
17377	MTBally-Upland	51.90	151.44	-3.23
17378	MTBally-Upland	50.40	151.46	-3.73
17379	MTBally-Upland	48.94	151.47	-3.73
17380	MTBally-Upland	47.39	151.48	-3.73
17381	MTBally-Upland	47.37	151.49	-3.73
17382	MTBally-Upland	47.31	151.51	-3.73
17383	MTBally-Upland	47.16	151.52	-3.73
17384	MTBally-Upland	46.44	151.53	-3.73
17385	MTBally-Upland	45.54	151.55	-3.73
17386	MTBally-Upland	45.51	151.56	-3.19
17387	MTBally-Upland	46.10	151.57	-3.19
17388	MTBally-Upland	47.04	151.58	-3.19
17389	MTBally-Upland	47.05	151.60	-3.19
17390	MTBally-Upland	47.05	151.61	-3.19
17391	MTBally-Upland	45.73	151.62	-3.19
17392	MTBally-Upland	44.27	151.63	-3.19
17393	MTBally-Upland	42.86	151.65	-3.19
17394	MTBally-Upland	42.87	151.66	-5.33

Page 222 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
17239	MTBally-Upland	35.68	149.87	1.83
17240	MTBally-Upland	35.73	149.88	1.83
17241	MTBally-Upland	36.79	149.89	1.83
17242	MTBally-Upland	38.59	149.90	1.83
17243	MTBally-Upland	39.45	149.91	1.83
17244	MTBally-Upland	39.47	149.92	1.83
17245	MTBally-Upland	40.41	149.94	1.83
17246	MTBally-Upland	41.32	149.95	1.83
17247	MTBally-Upland	41.25	149.96	-7.62
17248	MTBally-Upland	41.15	149.97	-7.62
17249	MTBally-Upland	41.07	149.98	-7.62
17250	MTBally-Upland	41.76	149.99	-7.62
17251	MTBally-Upland	41.24	150.00	-7.62
17252	MTBally-Upland	40.69	150.01	-7.62
17253	MTBally-Upland	39.48	150.03	-7.62
17254	MTBally-Upland	39.00	150.04	-7.62
17255	MTBally-Upland	38.33	150.05	-7.62
17256	MTBally-Upland	37.38	150.06	-7.43
17257	MTBally-Upland	37.43	150.07	-7.43
17258	MTBally-Upland	37.08	150.08	-7.43
17259	MTBally-Upland	36.14	150.09	-7.43
17260	MTBally-Upland	35.56	150.10	-7.43
17261	MTBally-Upland	36.33	150.11	-7.43
17262	MTBally-Upland	35.97	150.12	-7.43
17263	MTBally-Upland	35.28	150.13	-7.43
17264	MTBally-Upland	35.23	150.14	-7.43
17265	MTBally-Upland	35.79	150.15	-7.43
17266	MTBally-Upland	35.33	150.16	-8.90
17267	MTBally-Upland	35.18	150.17	-8.90
17268	MTBally-Upland	35.34	150.18	-8.90
17269	MTBally-Upland	36.13	150.19	-8.90
17270	MTBally-Upland	36.76	150.20	-8.90
17271	MTBally-Upland	37.22	150.21	-8.90
17272	MTBally-Upland	37.42	150.22	-8.90
17273	MTBally-Upland	37.23	150.23	-8.90
17274	MTBally-Upland	36.98	150.24	-8.90
17275	MTBally-Upland	36.73	150.25	-8.90
17276	MTBally-Upland	36.58	150.26	-5.15
17277	MTBally-Upland	37.70	150.27	-5.15
17278	MTBally-Upland	38.11	150.28	-5.15
17279	MTBally-Upland	37.89	150.29	-5.15
17280	MTBally-Upland	37.56	150.30	-5.15
17281	MTBally-Upland	36.99	150.31	-5.15
17282	MTBally-Upland	36.55	150.32	-5.15
17283	MTBally-Upland	36.13	150.33	-5.15
17284	MTBally-Upland	37.20	150.34	-5.15
17285	MTBally-Upland	38.48	150.35	-5.15
17286	MTBally-Upland	39.17	150.36	-4.44
17287	MTBally-Upland	38.72	150.37	-2.44
17288	MTBally-Upland	37.85	150.38	-2.44
17289	MTBally-Upland	36.72	150.39	-2.44
17290	MTBally-Upland	35.40	150.40	-2.44
17291	MTBally-Upland	34.65	150.41	-2.44
17292	MTBally-Upland	35.30	150.42	-2.44
17293	MTBally-Upland	35.38	150.43	-2.44
17294	MTBally-Upland	36.10	150.44	-2.44
17295	MTBally-Upland	36.45	150.45	-2.44
17296	MTBally-Upland	37.33	150.46	-2.44
17297	MTBally-Upland	37.07	150.47	-4.88
17298	MTBally-Upland	37.15	150.48	-4.88
17299	MTBally-Upland	36.01	150.49	-4.88
17300	MTBally-Upland	36.35	150.50	-4.88
17301	MTBally-Upland	36.35	150.51	-4.88
17302	MTBally-Upland	36.33	150.52	-4.88
17303	MTBally-Upland	35.93	150.53	-4.88
17304	MTBally-Upland	35.31	150.54	-4.88
17305	MTBally-Upland	35.35	150.55	-4.88
17306	MTBally-Upland	35.28	150.56	-5.7
17307	MTBally-Upland	36.48	150.57	-5.7
17308	MTBally-Upland	37.15	150.58	-5.7
17309	MTBally-Upland	37.45	150.59	-5.7
17310	MTBally-Upland	36.89	150.60	-5.7
17311	MTBally-Upland	35.35	150.61	-5.7
17312	MTBally-Upland	35.35	150.62	-5.7
17313	MTBally-Upland	33.16	150.63	-5.7
17314	MTBally-Upland	33.18	150.64	-5.7
17315	MTBally-Upland	34.19	150.65	-5.7
17316	MTBally-Upland	34.35	150.66	-4.6

Page 225 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
17473	MTBally-Upland	55.35	152.74	-8.78
17474	MTBally-Upland	54.95	152.76	-5.86
17475	MTBally-Upland	54.96	152.77	-5.86
17476	MTBally-Upland	54.75	152.79	-5.86
17477	MTBally-Upland	54.97	152.80	-5.86
17478	MTBally-Upland	54.97	152.82	-5.86
17479	MTBally-Upland	54.66	152.83	-5.86
17480	MTBally-Upland	54.15	152.85	-5.86
17481	MTBally-Upland	53.65	152.86	-10.43
17482	MTBally-Upland	53.21	152.87	-10.43
17483	MTBally-Upland	52.95	152.89	-10.43
17484	MTBally-Upland	52.62	152.90	-10.43
17485	MTBally-Upland	52.44	152.92	-10.43
17486	MTBally-Upland	52.16	152.93	-10.43
17487	MTBally-Upland	51.91	152.95	-10.43
17488	MTBally-Upland	51.64	152.96	-9.50
17489	MTBally-Upland	51.30	152.98	-9.50
17490	MTBally-Upland	51.01	152.99	-9.50
17491	MTBally-Upland	50.86	153.00	-9.50
17492	MTBally-Upland	50.70	153.02	-9.50
17493	MTBally-Upland	50.65	153.03	-9.50
17494	MTBally-Upland	50.56	153.04	-9.50
17495	MTBally-Upland	50.61	153.06	-7.93
17496	MTBally-Upland	50.50	153.07	-7.93
17497	MTBally-Upland	50.37	153.09	-7.93
17498	MTBally-Upland	50.13	153.10	-7.93
17499	MTBally-Upland	49.93	153.11	-7.93
17500	MTBally-Upland	49.71	153.13	-7.93
17501	MTBally-Upland	49.33	153.14	-7.93
17502	MTBally-Upland	48.61	153.15	-4.66
17503	MTBally-Upland	47.75	153.17	-4.66
17504	MTBally-Upland	46.68	153.18	-4.66
17505	MTBally-Upland	45.53	153.19	-4.66
17506	MTBally-Upland	43.92	153.21	-4.66
17507	MTBally-Upland	42.35	153.22	-4.66
17508	MTBally-Upland	40.88	153.23	-4.66
17509	MTBally-Upland	40.39	153.24	-4.66
17510	MTBally-Upland	38.84	153.25	-4.66
17511	MTBally-Upland	36.12	153.26	-4.70
17512	MTBally-Upland	32.95	153.27	-4.70
17513	MTBally-Upland	28.86	153.28	-4.70
17514	MTBally-Upland	24.12	153.28	-4.70
17515	MTBally-Upland	19.60	153.29	-4.70
17516	MTBally-Upland	14.96	153.29	-4.70
17517	MTBally-Upland	9.79	153.30	-4.70
17518	MTBally-Upland	4.84	153.30	-4.70
17519	MTBally-Upland	1.48	153.30	-4.70
17520	MTBally-Upland	0.00	153.30	-4.70
17521	MTBally-Upland	0.27	153.30	-4.70
17522	MTBally-Upland	5.00	153.30	-4.70
17523	MTBally-Upland	11.23	153.30	-4.70
17524	MTBally-Upland	15.52	153.31	-4.70
17525	MTBally-Upland	17.97	153.31	-4.70
17526	MTBally-Upland	19.47	153.32	-4.70
17527	MTBally-Upland	22.04	153.32	-4.70
17528	MTBally-Upland	25.23	153.33	-4.70
17529	MTBally-Upland	28.50	153.34	-4.70
17530	MTBally-Upland	31.57	153.35	-4.70
17531	MTBally-Upland	34.97	153.36	-5.44
17532	MTBally-Upland	37.73	153.37	-5.44
17533	MTBally-Upland	40.38	153.38	-5.44
17534	MTBally-Upland	42.80	153.39	-5.44
17535	MTBally-Upland	45.08	153.40	-5.44
17536	MTBally-Upland	47.16	153.41	-5.44
17537	MTBally-Upland	48.99	153.43	-5.44
17538	MTBally-Upland	50.05	153.44	-5.44
17539	MTBally-Upland	49.92	153.46	-4.68
17540	MTBally-Upland	50.66	153.47	-4.68
17541	MTBally-Upland	51.41	153.48	-4.68
17542	MTBally-Upland	52.65	153.50	-4.68
17543	MTBally-Upland	52.47	153.51	-4.68
17544	MTBally-Upland	52.36	153.53	-4.68
17545	MTBally-Upland	54.07	153.54	-4.68
17546	MTBally-Upland	54.34	153.56	-3.46
17547	MTBally-Upland	54.29	153.57	-3.46
17548	MTBally-Upland	54.64	153.59	-3.46
17549	MTBally-Upland	55.15	153.60	-3.46
17550	MTBally-Upland	55.29	153.62	-3.46

Page 227 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
17629	MTBally-Upland	53.98	154.77	-3.26
17630	MTBally-Upland	53.45	154.79	-3.26
17631	MTBally-Upland	53.37	154.80	-3.26
17632	MTBally-Upland	53.04	154.82	-3.26
17633	MTBally-Upland	52.81	154.83	-3.26
17634	MTBally-Upland	52.85	154.84	-3.26
17635	MTBally-Upland	53.38	154.86	-3.26
17636	MTBally-Upland	53.17	154.87	-2.86
17637	MTBally-Upland	52.44	154.89	-2.86
17638	MTBally-Upland	51.33	154.90	-2.86
17639	MTBally-Upland	49.50	154.92	-2.86
17640	MTBally-Upland	48.25	154.93	-2.86
17641	MTBally-Upland	47.42	154.94	-2.86
17642	MTBally-Upland	45.98	154.95	-3.04
17643	MTBally-Upland	44.77	154.97	-3.04
17644	MTBally-Upland	43.76	154.98	-3.04
17645	MTBally-Upland	41.82	154.99	-3.04
17646	MTBally-Upland	39.58	155.00	-3.04
17647	MTBally-Upland	36.82	155.01	-3.04
17648	MTBally-Upland	33.93	155.02	-3.04
17649	MTBally-Upland	31.38	155.03	-3.04
17650	MTBally-Upland	28.45	155.04	-3.04
17651	MTBally-Upland	25.18	155.04	-3.04
17652	MTBally-Upland	21.95	155.05	-2.82
17653	MTBally-Upland	18.84	155.06	-2.82
17654	MTBally-Upland	15.62	155.06	-2.82
17655	MTBally-Upland	11.98	155.06	-2.82
17656	MTBally-Upland	8.49	155.07	-2.82
17657	MTBally-Upland	8.75	155.07	-2.82
17658	MTBally-Upland	12.51	155.07	-2.82
17659	MTBally-Upland	16.58	155.08	-2.82
17660	MTBally-Upland	19.77	155.08	-2.82
17661	MTBally-Upland	20.88	155.09	-2.82
17662	MTBally-Upland	20.52	155.09	-2.82
17663	MTBally-Upland	19.34	155.10	-2.82
17664	MTBally-Upland	18.29	155.10	-2.82
17665	MTBally-Upland	17.88	155.11	-2.82
17666	MTBally-Upland	19.87	155.11	-2.82
17667	MTBally-Upland	23.55	155.12	-2.82
17668	MTBally-Upland	27.39	155.13	-2.82
17669	MTBally-Upland	30.88	155.14	-2.82
17670	MTBally-Upland	33.79	155.15	-2.82
17671	MTBally-Upland	36.12	155.16	-2.88
17672	MTBally-Upland	38.09	155.17	-2.88
17673	MTBally-Upland	39.11	155.18	-2.88
17674	MTBally-Upland	38.89	155.19	-2.88
17675	MTBally-Upland	37.33	155.20	-2.88
17676	MTBally-Upland	34.65	155.21	-2.88
17677	MTBally-Upland	32.23	155.22	-2.88
17678	MTBally-Upland	29.92	155.22	-2.88
17679	MTBally-Upland	26.32	155.23	-2.88
17680	MTBally-Upland	21.52	155.24	-2.88
17681	MTBally-Upland	16.52	155.24	-2.88
17682	MTBally-Upland	11.72	155.24	-2.88
17683	MTBally-Upland	7.45	155.25	-2.88
17684	MTBally-Upland	5.20	155.25	-2.88
17685	MTBally-Upland	3.96	155.25	-2.88
17686	MTBally-Upland	2.67	155.25	-3.75
17687	MTBally-Upland	1.90	155.25	-3.75
17688	MTBally-Upland	1.09	155.25	-3.75
17689	MTBally-Upland	0.00	155.25	-3.75
17690	MTBally-Upland	0.00	155.25	-3.75
17691	MTBally-Upland	0.00	155.25	-3.75
17692	MTBally-Upland	0.00	155.25	-3.75
17693	MTBally-Upland	0.00	155.25	-3.75
17694	MTBally-Upland	0.00	155.25	-3.75
17695	MTBally-Upland	0.00	155.25	-3.75
17696	MTBally-Upland	0.00	155.25	-3.75
17697	MTBally-Upland	0.00	155.25	-3.75
17698	MTBally-Upland	0.00	155.25	-3.75
17699	MTBally-Upland	0.00	155.25	-3.75
17700	MTBally-Upland	0.00	155.25	-3.75
17701	MTBally-Upland	0.00	155.25	-3.75
17702	MTBally-Upland	0.00	155.25	-3.75
17703	MTBally-Upland	0.00	155.25	-3.75
17704	MTBally-Upland	0.00	155.25	-3.75
17705	MTBally-Upland	0.00	155.25	-3.75
17706	MTBally-Upland	0.00	155.25	-3.75

Page 226 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
17551	MTBally-Upland	55.25	153.63	-3.46
17552	MTBally-Upland	55.67	153.65	-3.46
17553	MTBally-Upland	55.29	153.66	-2.09
17554	MTBally-Upland	54.07	153.68	-2.09
17555	MTBally-Upland	53.09	153.69	-2.09
17556	MTBally-Upland	53.54	153.71	-2.09
17557	MTBally-Upland	54.58	153.72	-2.09
17558	MTBally-Upland	55.37	153.74	-2.09
17559	MTBally-Upland	55.76	153.75	-2.09
17560	MTBally-Upland	56.09	153.77	-2.92
17561	MTBally-Upland	55.56	153.78	-2.92
17562	MTBally-Upland	55.23	153.80	-2.92
17563	MTBally-Upland	55.13	153.81	-2.92
17564	MTBally-Upland	55.25	153.83	-2.92
17565	MTBally-Upland	55.73	153.84	-2.92
17566	MTBally-Upland	55.18	153.86	-2.56
17567	MTBally-Upland	55.16	153.87	-2.56
17568	MTBally-Upland	55.44	153.89	-2.56
17569	MTBally-Upland	55.46	153.90	-2.56
17570	MTBally-Upland	54.96	153.92	-2.56
17571	MTBally-Upland	54.01	153.93	-2.56
17572	MTBally-Upland	53.05	153.95	-2.56
17573	MTBally-Upland	52.95	153.96	-2.56
17574	MTBally-Upland	53.56	153.98	-2.35
17575	MTBally-Upland	54.04	153.99	-2.35
17576	MTBally-Upland	54.38	154.01	-2.35
17577	MTBally-Upland	54.38	154.02	-2.35
17578	MTBally-Upland	53.94	154.04	-2.35
17579	MTBally-Upland	53.20	154.05	-2.35
17580	MTBally-Upland	52.48	154.07	-3.39
17581	MTBally-Upland	52.44	154.08	-3.39
17582	MTBally-Upland	53.24	154.10	-3.39
17583	MTBally-Upland	53.35	154.11	-3.39
17584	MTBally-Upland	52.56	154.13	-3.39
17585	MTBally-Upland	52.24	154.14	-3.39
17586	MTBally-Upland	52.72	154.15	-3.25
17587	MTBally-Upland	52.62	154.17	-3.25
17588	MTBally-Upland	52.95	154.18	-3.25
17589	MTBally-Upland	52.77	154.20	-3.25
17590	MTBally-Upland	52.27	154.21	-3.25
17591	MTBally-Upland	51.84	154.23	-3.25
17592	MTBally-Upland	51.81	154.24	-3.25
17593	MTBally-Upland	51.27	154.25	-2.27
17594	MTBally-Upland	51.49	154.27	-2.27
17595	MTBally-Upland	51.46	154.28	-2.27
17596	MTBally-Upland	51.27	154.30	-2.27
17597	MTBally-Upland	50.97	154.31	-2.27
17598	MTBally-Upland	50.40	154.32	-2.27
17599	MTBally-Upland	50.05	154.34	-2.27
17600	MTBally-Upland	50.00	154.35	-3.07
17601	MTBally-Upland	50.54	154.37	-3.07
17602	MTBally-Upland	50.11	154.38	-3.07
17603	MTBally-Upland	51.50	154.39	-3.07
17604	MTBally-Upland	51.38	154.41	-3.07
17605	MTBally-Upland	51.49	154.42	-3.07
17606	MTBally-Upland	51.53	154.44	-3.07
17607	MTBally-Upland	51.82	154.45	-3.30
17608	MTBally-Upland	52.13	154.47	-3.30
17609	MTBally-Upland	51.73	154.48	-3.30
17610	MTBally-Upland	51.82	154.49	-3.30
17611	MTBally-Upland	51.10	154.51	-3.30
17612	MTBally-Upland	51.50	154.52	-3.30
17613	MTBally-Upland	51.82	154.54	-3.30
17614	MTBally-Upland	51.98	154.55	-3.30
17615	MTBally-Upland	52.59	154.57	-3.56
17616	MTBally-Upland	52.91	154.58	-3.56
17617	MTBally-Upland	52.94	154.59	-3.56
17618	MTBally-Upland	52.39	154.61	-3.56
17619	MTBally-Upland	52.85	154.62	-3.56
17620	MTBally-Upland	52.84	154.64	-3.56
17621	MTBally-Upland	54.00	154.65	-3.11
17622	MTBally-Upland	54.10	154.67	-3.11
17623	MTBally-Upland	53.64	154.68	-3.11
17624	MTBally-Upland	53.11	154.70	-3.11
17625	MTBally-Upland	53.55	154.71	-3.11
17626	MTBally-Upland	53.31	154.73	-3.11
17627	MTBally-Upland	53.14	154.74	-3.11
17628	MTBally-Upland	54.26	154.76	-3.26

[illegible]

Page 232 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
18019	Idell-Upland-02	0.00	15.57	4.92
18020	Idell-Upland-02	0.00	15.57	4.92
18021	Idell-Upland-02	0.00	15.57	4.92
18022	Idell-Upland-02	0.00	15.57	4.92
18023	Idell-Upland-02	0.00	15.57	4.92
18024	Idell-Upland-02	0.00	15.57	4.92
18025	Idell-Upland-02	0.00	15.57	4.92
18026	Idell-Upland-02	0.00	15.57	4.92
18027	Idell-Upland-02	0.00	15.57	4.92
18028	Idell-Upland-02	0.00	15.57	4.92
18029	Idell-Upland-02	0.00	15.57	4.92
18030	Idell-Upland-02	0.00	15.57	4.92
18031	Idell-Upland-02	0.00	15.57	4.92
18032	Idell-Upland-02	0.00	15.57	4.92
18033	Idell-Upland-02	0.00	15.57	4.92
18034	Idell-Upland-02	0.00	15.57	4.92
18035	Idell-Upland-02	0.00	15.57	4.92
18036	Idell-Upland-02	0.00	15.57	4.92
18037	Idell-Upland-02	0.00	15.57	4.92
18038	Idell-Upland-02	0.00	15.57	4.92
18039	Idell-Upland-02	0.00	15.57	4.92
18040	Idell-Upland-02	0.00	15.57	4.92
18041	Idell-Upland-02	0.00	15.57	4.92
18042	Idell-Upland-02	0.00	15.57	4.92
18043	Idell-Upland-02	0.00	15.57	4.92
18044	Idell-Upland-02	0.00	15.57	4.92
18045	Idell-Upland-02	0.00	15.57	4.92
18046	Idell-Upland-02	0.00	15.57	4.92
18047	Idell-Upland-02	0.00	15.57	4.92
18048	Idell-Upland-02	0.00	15.57	4.92
18049	Idell-Upland-02	0.00	15.57	4.92
18050	Idell-Upland-02	0.00	15.57	4.92
18051	Idell-Upland-02	0.00	15.57	4.92
18052	Idell-Upland-02	0.00	15.57	4.92
18053	Idell-Upland-02	0.00	15.57	4.92
18054	Upland-CCEOT	0.00	15.57	4.92
18055	Upland-CCEOT	0.00	15.57	4.92
18056	Upland-CCEOT	0.00	15.57	4.92
18057	Upland-CCEOT	0.00	15.57	4.92
18058	Upland-CCEOT	0.54	15.57	4.92
18059	Upland-CCEOT	1.88	15.57	4.92
18060	Upland-CCEOT	3.85	15.57	4.92
18061	Upland-CCEOT	4.98	15.57	4.92
18062	Upland-CCEOT	5.23	15.57	4.92
18063	Upland-CCEOT	5.19	15.57	4.92
18064	Upland-CCEOT	5.97	15.57	4.92
18065	Upland-CCEOT	6.86	15.58	4.92
18066	Upland-CCEOT	6.99	15.58	4.92
18067	Upland-CCEOT	7.22	15.58	4.92
18068	Upland-CCEOT	6.99	15.58	4.92
18069	Upland-CCEOT	6.38	15.58	4.92
18070	Upland-CCEOT	5.87	15.59	4.92
18071	Upland-CCEOT	5.73	15.59	4.92
18072	Upland-CCEOT	5.53	15.59	4.92
18073	Upland-CCEOT	5.21	15.59	4.92
18074	Upland-CCEOT	5.09	15.59	4.92
18075	Upland-CCEOT	5.14	15.59	4.92
18076	Upland-CCEOT	5.29	15.59	4.92
18077	Upland-CCEOT	5.58	15.60	4.92
18078	Upland-CCEOT	6.04	15.60	4.92
18079	Upland-CCEOT	6.31	15.60	4.92
18080	Upland-CCEOT	6.80	15.60	4.92
18081	Upland-CCEOT	7.98	15.60	4.92
18082	Upland-CCEOT	8.18	15.61	4.92
18083	Upland-CCEOT	7.91	15.61	4.92
18084	Upland-CCEOT	7.68	15.61	4.92
18085	Upland-CCEOT	7.12	15.61	4.92
18086	Upland-CCEOT	5.89	15.61	4.92
18087	Upland-CCEOT	6.40	15.62	4.92
18088	Upland-CCEOT	9.02	15.62	4.92
18089	Upland-CCEOT	10.53	15.62	4.92
18090	Upland-CCEOT	10.60	15.62	4.92
18091	Upland-CCEOT	10.66	15.63	4.92
18092	Upland-CCEOT	10.61	15.63	4.92
18093	Upland-CCEOT	9.89	15.63	4.92
18094	Upland-CCEOT	8.98	15.63	4.92
18095	Upland-CCEOT	7.71	15.64	4.92
18096	Upland-CCEOT	6.60	15.64	4.92

Page 233 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
18097	Upland-CECET	5.76	155.64	4.92
18098	Upland-CECET	5.26	155.64	4.92
18099	Upland-CECET	4.92	155.64	4.92
18100	Upland-CECET	4.44	155.64	4.92
18101	Upland-CECET	3.96	155.65	4.92
18102	Upland-CECET	3.56	155.65	4.92
18103	Upland-CECET	2.97	155.65	4.92
18104	Upland-CECET	1.93	155.65	4.92
18105	Upland-CECET	0.80	155.65	4.92
18106	Upland-CECET	0.00	155.65	4.92
18107	Upland-CECET	0.00	155.65	4.92
18108	Upland-CECET	0.00	155.65	4.92
18109	Upland-CECET	0.00	155.65	4.92
18110	Upland-CECET	0.00	155.65	4.92
18111	Upland-CECET	0.00	155.65	4.92
18112	Upland-CECET	0.00	155.65	4.92
18113	Upland-CECET	0.00	155.65	4.92
18114	Upland-CECET	0.00	155.65	4.92
18115	Upland-CECET	0.00	155.65	4.92
18116	Upland-CECET	0.00	155.65	4.92
18117	Upland-CECET	0.00	155.65	4.92
18118	Upland-CECET	0.00	155.65	4.92
18119	Upland-CECET	0.00	155.65	4.92
18120	Upland-CECET	0.00	155.65	4.92
18121	Upland-CECET	0.00	155.65	4.92
18122	Upland-CECET	0.00	155.65	4.92
18123	Upland-CECET	0.00	155.65	4.92
18124	Upland-CECET	0.00	155.65	4.92
18125	Upland-CECET	0.00	155.65	4.92
18126	Upland-CECET	0.00	155.65	4.92
18127	Upland-CECET	0.00	155.65	4.92
18128	Upland-CECET	0.00	155.65	4.92
18129	Upland-CECET	0.00	155.65	4.92
18130	Upland-CECET	0.00	155.65	4.92
18131	Upland-CECET	0.00	155.65	4.92
18132	Upland-CECET	0.00	155.65	4.92
18133	Upland-CECET	0.00	155.65	4.92
18134	Upland-CECET	0.00	155.65	4.92
18135	Upland-CECET	0.00	155.65	4.92
18136	Upland-CECET	0.00	155.65	4.92
18137	Upland-CECET	0.00	155.65	4.92
18138	Upland-CECET	0.00	155.65	4.92
18139	Upland-CECET	0.00	155.65	4.92
18140	Upland-CECET	0.00	155.65	4.92
18141	Upland-CECET	0.00	155.65	4.92
18142	Upland-CECET	0.00	155.65	4.92
18143	Upland-CECET	0.00	155.65	4.92
18144	Upland-CECET	0.00	155.65	4.92
18145	Upland-CECET	0.00	155.65	4.92
18146	Upland-CECET	0.00	155.65	4.92
18147	Upland-CECET	0.00	155.65	4.92
18148	Upland-CECET	0.00	155.65	4.92
18149	Upland-CECET	0.15	155.65	4.92
18150	Upland-CECET	2.05	155.65	4.92
18151	Upland-CECET	2.44	155.65	4.92
18152	Upland-CECET	1.24	155.65	-1.16
18153	Upland-CECET	1.98	155.65	-1.16
18154	Upland-CECET	5.73	155.65	-1.16
18155	Upland-CECET	9.20	155.65	-1.16
18156	Upland-CECET	11.66	155.66	-1.16
18157	Upland-CECET	13.73	155.66	-1.16
18158	Upland-CECET	17.13	155.67	-1.16
18159	Upland-CECET	21.29	155.67	-1.16
18160	Upland-CECET	27.40	155.68	-1.16
18161	Upland-CECET	34.43	155.69	-1.16
18162	Upland-CECET	40.91	155.70	-1.16
18163	Upland-CECET	46.48	155.71	-1.16
18164	Upland-CECET	51.56	155.73	-1.16
18165	Upland-CECET	55.61	155.74	-1.16
18166	Upland-CECET	59.04	155.76	-1.59
18167	Upland-CECET	62.35	155.78	-1.59
18168	Upland-CECET	62.58	155.79	-1.59
18169	Upland-CECET	61.47	155.81	-1.59
18170	Upland-CECET	60.39	155.83	-1.59
18171	Upland-CECET	60.11	155.84	-1.59
18172	Upland-CECET	60.35	155.86	0.21
18173	Upland-CECET	60.75	155.88	0.21
18174	Upland-CECET	60.90	155.89	0.21

Page 235 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
18253	Upland-CECET	0.00	156.25	-0.18
18254	Upland-CECET	0.00	156.25	-0.18
18255	Upland-CECET	0.00	156.25	-0.18
18256	Upland-CECET	0.00	156.25	-0.18
18257	Upland-CECET	0.00	156.25	-0.18
18258	Upland-CECET	0.00	156.25	-0.18
18259	Upland-CECET	0.00	156.25	-0.18
18260	Upland-CECET	0.00	156.25	-0.18
18261	Upland-CECET	0.00	156.25	-0.18
18262	Upland-CECET	0.00	156.25	-0.18
18263	Upland-CECET	0.00	156.25	-0.18
18264	Upland-CECET	0.00	156.25	-0.18
18265	Upland-CECET	0.00	156.25	-0.18
18266	Upland-CECET	0.00	156.25	-0.18
18267	Upland-CECET	0.00	156.25	-0.18
18268	Upland-CECET	0.96	156.25	-0.18
18269	Upland-CECET	5.39	156.25	-0.18
18270	Upland-CECET	10.65	156.25	-0.18
18271	Upland-CECET	14.57	156.26	-0.18
18272	Upland-CECET	18.31	156.26	-0.18
18273	Upland-CECET	21.69	156.27	-0.18
18274	Upland-CECET	24.17	156.27	-0.18
18275	Upland-CECET	26.11	156.28	-0.18
18276	Upland-CECET	28.06	156.29	-0.18
18277	Upland-CECET	30.71	156.30	-0.18
18278	Upland-CECET	32.01	156.30	-0.18
18279	Upland-CECET	33.16	156.31	-0.18
18280	Upland-CECET	33.32	156.32	-0.18
18281	Upland-CECET	34.64	156.33	-0.18
18282	Upland-CECET	36.72	156.34	-0.18
18283	Upland-CECET	37.97	156.35	0.24
18284	Upland-CECET	38.80	156.36	0.24
18285	Upland-CECET	39.69	156.37	0.24
18286	Upland-CECET	40.68	156.39	0.24
18287	Upland-CECET	41.72	156.40	0.24
18288	Upland-CECET	42.70	156.41	0.24
18289	Upland-CECET	43.55	156.42	0.24
18290	Upland-CECET	43.61	156.43	0.24
18291	Upland-CECET	43.03	156.44	0.24
18292	Upland-CECET	43.74	156.46	0.17
18293	Upland-CECET	44.17	156.47	0.17
18294	Upland-CECET	44.57	156.48	0.17
18295	Upland-CECET	44.77	156.49	0.17
18296	Upland-CECET	45.42	156.51	0.17
18297	Upland-CECET	44.85	156.52	0.17
18298	Upland-CECET	44.42	156.53	0.17
18299	Upland-CECET	45.29	156.54	0.17
18300	Upland-CECET	46.21	156.56	0.24
18301	Upland-CECET	46.93	156.57	0.24
18302	Upland-CECET	47.28	156.58	0.24
18303	Upland-CECET	47.28	156.59	0.24
18304	Upland-CECET	46.73	156.61	0.24
18305	Upland-CECET	46.94	156.62	0.24
18306	Upland-CECET	46.67	156.63	0.24
18307	Upland-CECET	46.62	156.65	0.24
18308	Upland-CECET	46.80	156.66	0.19
18309	Upland-CECET	46.58	156.67	0.19
18310	Upland-CECET	45.84	156.68	0.19
18311	Upland-CECET	45.17	156.70	0.19
18312	Upland-CECET	44.57	156.71	0.19
18313	Upland-CECET	44.69	156.72	0.19
18314	Upland-CECET	44.14	156.73	0.19
18315	Upland-CECET	43.53	156.75	0.19
18316	Upland-CECET	42.79	156.76	-0.12
18317	Upland-CECET	42.21	156.77	-0.12
18318	Upland-CECET	42.14	156.78	-0.12
18319	Upland-CECET	42.88	156.79	-0.12
18320	Upland-CECET	42.53	156.80	-0.12
18321	Upland-CECET	41.67	156.82	-0.12
18322	Upland-CECET	40.17	156.83	-0.12
18323	Upland-CECET	37.66	156.84	-0.12
18324	Upland-CECET	34.58	156.85	-0.12
18325	Upland-CECET	31.24	156.85	-0.58
18326	Upland-CECET	28.22	156.86	-0.58
18327	Upland-CECET	25.28	156.87	-0.58
18328	Upland-CECET	22.14	156.88	-0.58
18329	Upland-CECET	18.81	156.88	-0.58
18330	Upland-CECET	14.99	156.88	-0.58

Page 234 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
18175	Upland-CECET	60.09	155.91	0.21
18176	Upland-CECET	59.18	155.93	0.21
18177	Upland-CECET	58.62	155.94	0.21
18178	Upland-CECET	57.71	155.96	0.86
18179	Upland-CECET	57.45	155.97	0.86
18180	Upland-CECET	57.50	155.99	0.86
18181	Upland-CECET	57.32	156.01	0.86
18182	Upland-CECET	56.72	156.02	0.86
18183	Upland-CECET	56.38	156.04	0.86
18184	Upland-CECET	56.73	156.05	0.31
18185	Upland-CECET	56.90	156.07	0.31
18186	Upland-CECET	55.13	156.08	0.31
18187	Upland-CECET	51.57	156.10	0.31
18188	Upland-CECET	47.43	156.11	0.31
18189	Upland-CECET	43.26	156.12	0.31
18190	Upland-CECET	39.33	156.13	0.31
18191	Upland-CECET	36.21	156.14	0.31
18192	Upland-CECET	33.67	156.15	-0.18
18193	Upland-CECET	31.09	156.16	-0.18
18194	Upland-CECET	28.67	156.17	-0.18
18195	Upland-CECET	26.20	156.18	-0.18
18196	Upland-CECET	23.76	156.18	-0.18
18197	Upland-CECET	21.53	156.19	-0.18
18198	Upland-CECET	20.09	156.19	-0.18
18199	Upland-CECET	20.04	156.20	-0.18
18200	Upland-CECET	19.69	156.20	-0.18
18201	Upland-CECET	18.32	156.21	-0.18
18202	Upland-CECET	16.42	156.21	-0.18
18203	Upland-CECET	14.64	156.22	-0.18
18204	Upland-CECET	13.28	156.22	-0.18
18205	Upland-CECET	12.19	156.22	-0.18
18206	Upland-CECET	10.88	156.23	-0.18
18207	Upland-CECET	9.12	156.23	-0.18
18208	Upland-CECET	6.84	156.23	-0.18
18209	Upland-CECET	4.81	156.23	-0.18
18210	Upland-CECET	3.87	156.23	-0.18
18211	Upland-CECET	3.06	156.24	-0.18
18212	Upland-CECET	2.20	156.24	-0.18
18213	Upland-CECET	2.20	156.24	-0.18
18214	Upland-CECET	3.22	156.24	-0.18
18215	Upland-CECET	4.18	156.24	-0.18
18216	Upland-CECET	4.98	156.24	-0.18
18217	Upland-CECET	5.48	156.24	-0.18
18218	Upland-CECET	5.22	156.24	-0.18
18219	Upland-CECET	4.73	156.24	-0.18
18220	Upland-CECET	3.85	156.25	-0.18
18221	Upland-CECET	2.61	156.25	-0.18
18222	Upland-CECET	1.02	156.25	-0.18
18223	Upland-CECET	0.00	156.25	-0.18
18224	Upland-CECET	0.00	156.25	-0.18
18225	Upland-CECET	0.00	156.25	-0.18
18226	Upland-CECET	0.00	156.25	-0.18
18227	Upland-CECET	0.00	156.25	-0.18
18228	Upland-CECET	0.00	156.25	-0.18
18229	Upland-CECET	0.00	156.25	-0.18
18230	Upland-CECET	0.00	156.25	-0.18
18231	Upland-CECET	0.00	156.25	-0.18
18232	Upland-CECET	0.00	156.25	-0.18
18233	Upland-CECET	0.00	156.25	-0.18
18234	Upland-CECET	0.00	156.25	-0.18
18235	Upland-CECET	0.00	156.25	-0.18
18236	Upland-CECET	0.00	156.25	-0.18
18237	Upland-CECET	0.00	156.25	-0.18
18238	Upland-CECET	0.00	156.25	-0.18
18239	Upland-CECET	0.00	156.25	-0.18
18240	Upland-CECET	0.00	156.25	-0.18
18241	Upland-CECET	0.00	156.25	-0.18
18242	Upland-CECET	0.00	156.25	-0.18
18243	Upland-CECET	0.00	156.25	-0.18
18244	Upland-CECET	0.00	156.25	-0.18
18245	Upland-CECET	0.00	156.25	-0.18
18246	Upland-CECET	0.00	156.25	-0.18
18247	Upland-CECET	0.00	156.25	-0.18
18248	Upland-CECET	0.00	156.25	-0.18
18249	Upland-CECET	0.00	156.25	-0.18
18250	Upland-CECET	0.00	156.25	-0.18
18251	Upland-CECET	0.00	156.25	-0.18
18252	Upland-CECET	0.00	156.25	-0.18

Page 237 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
18409	Upland-CECET	44.82	157.05	-0.43
18410	Upland-CECET	46.66	157.06	-0.62
18411	Upland-CECET	48.65	157.07	-0.62
18412	Upland-CECET	50.74	157.09	-0.62
18413	Upland-CECET	51.24	157.10	-0.62
18414	Upland-CECET	50.72	157.11	-0.62
18415	Upland-CECET	51.62	157.13	-0.62
18416	Upland-CECET	52.42	157.14	-0.62
18417	Upland-CECET	52.05	157.16	-1.08
18418	Upland-CECET	51.95	157.17	-1.08
18419	Upland-CECET	52.67	157.19	-1.08
18420	Upland-CECET	53.65	157.20	-1.08
18421	Upland-CECET	54.51	157.22	-1.08
18422	Upland-CECET	54.94	157.23	-1.08
18423	Upland-CECET	55.46	157.25	-1.08
18424	Upland-CECET	55.85	157.26	-1.18
18425	Upland-CECET	56.08	157.28	-1.18
18426	Upland-CECET	56.29	157.29	-1.18
18427	Upland-CECET	55.90	157.31	-1.18
18428	Upland-CECET	56.48	157.32	-1.18
18429	Upland-CECET	56.62	157.34	-1.18
18430	Upland-CECET	56.26	157.35	-1.09
18431	Upland-CECET	56.77	157.37	-1.09
18432	Upland-CECET	56.94	157.39	-1.09
18433	Upland-CECET	57.03	157.40	-1.09
18434	Upland-CECET	56.92	157.42	-1.09
18435	Upland-CECET	56.07	157.43	-1.09
18436	Upland-CECET	55.17	157.45	-1.09
18437	Upland-CECET	55.16	157.46	-0.64
18438	Upland-CECET	55.78	157.48	-0.64
18439	Upland-CECET	55.63	157.49	-0.64
18440	Upland-CECET	55.17	157.51	-0.64
18441	Upland-CECET	55.88	157.52	-0.64
18442	Upland-CECET	56.68	157.54	-0.64
18443	Upland-CECET	56.54	157.56	-1.19
18444	Upland-CECET	56.34	157.57	-1.19
18445	Upland-CECET	56.41	157.59	-1.19
18446	Upland-CECET	56.38	157.60	-1.19
18447	Upland-CECET	55.69	157.62	-1.19
18448	Upland-CECET	55.27	157.63	-1.19
18449	Upland-CECET	54.81	157.65	-1.19
18450	Upland-CECET	54.78	157.66	-1.25
18451	Upland-CECET	54.45	157.68	-1.25
18452	Upland-CECET	54.14	157.69	-1.25
18453	Upland-CECET	54.69	157.71	-1.25
18454	Upland-CECET	55.14	157.72	-1.25
18455	Upland-CECET	55.30	157.74	-1.25
18456	Upland-CECET	55.64	157.75	-1.47
18457	Upland-CECET	54.48	157.77	-1.47
18458	Upland-CECET	54.02	157.78	-1.47
18459	Upland-CECET	52.93	157.80	-1.47
18460	Upland-CECET	51.11	157.81	-1.47
18461	Upland-CECET	49.69	157.82	-1.47
18462	Upland-CECET	49.22	157.84	-1.47
18463	Upland-CECET	48.86	157.85	-1.33
18464	Upland-CECET	49.00	157.87	-1.33
18465	Upland-CECET	48.39	157.88	-1.33
18466	Upland-CECET	47.78	157.89	-1.33
18467	Upland-CECET	47.47	157.90	-1.33
18468	Upland-CECET	48.16	157.92	-1.33
18469	Upland-CECET	49.09	157.93	-1.33
18470	Upland-CECET	49.04	157.95	-1.33
18471	Upland-CECET	48.25	157.96	-0.87
18472	Upland-CECET	46.53	157.97	-0.87
18473	Upland-CECET	44.45	157.98	-0.87
18474	Upland-CECET	42.24	157.99	-0.87
18475	Upland-CECET	40.03	158.01	-0.87
18476	Upland-CECET	38.12	158.02	-0.87
18477	Upland-CECET	37.20	158.03	-0.87
18478	Upland-CECET	37.07	158.04	-0.87
18479	Upland-CECET	36.85	158.05	-0.87
18480	Upland-CECET	36.68	158.06	-0.38
18481	Upland-CECET	37.88	158.07	-0.38
18482	Upland-CECET	39.73	158.08	-0.38
18483	Upland-CECET	41.79	158.09	-0.38
18484	Upland-CECET	43.67	158.10	-0.38
18485	Upland-CECET	43.65	158.11	-0.38
18486	Upland-CECET	43.02	158.13	-0.38

Page 239 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
18565	Upland-CECET	0.00	158.53	-0.91
18566	Upland-CECET	0.00	158.53	-0.91
18567	Upland-CECET	0.00	158.53	-0.91
18568	Upland-CECET	0.00	158.53	-0.91
18569	Upland-CECET	0.00	158.53	-0.91
18570	Upland-CECET	0.00	158.53	-0.91
18571	Upland-CECET	0.00	158.53	-0.91
18572	Upland-CECET	0.00	158.53	-0.91
18573	Upland-CECET	0.00	158.53	-0.91
18574	Upland-CECET	0.00	158.53	-0.91
18575	Upland-CECET	0.00	158.53	-0.91
18576	Upland-CECET	0.00	158.53	-0.91
18577	Upland-CECET	0.00	158.53	-0.91
18578	Upland-CECET	0.00	158.53	-0.91
18579	Upland-CECET	0.00	158.53	-0.91
18580	Upland-CECET	0.00	158.53	-0.91
18581	Upland-CECET	0.00	158.53	-0.91
18582	Upland-CECET	0.00	158.53	-0.91
18583	Upland-CECET	0.00	158.53	-0.91
18584	Upland-CECET	0.00	158.53	-0.91
18585	Upland-CECET	0.00	158.53	-0.91
18586	Upland-CECET	0.00	158.53	-0.91
18587	Upland-CECET	0.00	158.53	-0.91
18588	Upland-CECET	0.19	158.53	-0.91
18589	Upland-CECET	3.95	158.53	-0.91
18590	Upland-CECET	8.79	158.54	-0.91
18591	Upland-CECET	13.13	158.54	-0.91
18592	Upland-CECET	16.69	158.54	-0.91
18593	Upland-CECET	19.66	158.55	-1.17
18594	Upland-CECET	21.51	158.56	-1.17
18595	Upland-CECET	23.14	158.56	-1.17
18596	Upland-CECET	24.79	158.57	-1.17
18597	Upland-CECET	26.97	158.58	-1.17
18598	Upland-CECET	28.66	158.58	-1.17
18599	Upland-CECET	30.07	158.59	-1.17
18600	Upland-CECET	31.30	158.60	-1.17
18601	Upland-CECET	32.78	158.61	-1.17
18602	Upland-CECET	34.15	158.62	-1.17
18603	Upland-CECET	35.23	158.63	-1.17
18604	Upland-CECET	35.35	158.64	-1.17
18605	Upland-CECET	34.88	158.65	-1.17
18606	Upland-CECET	35.87	158.66	0.31
18607	Upland-CECET	37.22	158.67	0.31
18608	Upland-CECET	38.45	158.68	0.31
18609	Upland-CECET	39.02	158.69	0.31
18610	Upland-CECET	38.93	158.70	0.31
18611	Upland-CECET	39.69	158.71	0.31
18612	Upland-CECET	40.64	158.72	0.31
18613	Upland-CECET	40.97	158.73	0.31
18614	Upland-CECET	40.30	158.75	0.31
18615	Upland-CECET	39.63	158.76	0.04
18616	Upland-CECET	39.11	158.77	0.04
18617	Upland-CECET	38.39	158.78	0.04
18618	Upland-CECET	37.89	158.79	0.04
18619	Upland-CECET	37.49	158.80	0.04
18620	Upland-CECET	37.24	158.81	0.04
18621	Upland-CECET	36.64	158.82	0.04
18622	Upland-CECET	37.06	158.83	0.04
18623	Upland-CECET	38.03	158.84	0.04
18624	Upland-CECET	39.31	158.85	0.44
18625	Upland-CECET	40.82	158.86	0.44
18626	Upland-CECET	41.80	158.87	0.44
18627	Upland-CECET	42.21	158.88	0.44
18628	Upland-CECET	42.48	158.90	0.44
18629	Upland-CECET	42.74	158.91	0.44
18630	Upland-CECET	43.00	158.92	0.44
18631	Upland-CECET	43.28	158.93	0.44
18632	Upland-CECET	43.72	158.94	0.44
18633	Upland-CECET	44.04	158.96	0.47
18634	Upland-CECET	44.61	158.97	0.47
18635	Upland-CECET	45.22	158.98	0.47
18636	Upland-CECET	45.89	158.99	0.47
18637	Upland-CECET	46.33	159.01	0.47
18638	Upland-CECET	46.74	159.02	0.47
18639	Upland-CECET	46.36	159.03	0.47
18640	Upland-CECET	45.67	159.04	0.47
18641	Upland-CECET	45.88	159.06	0.14
18642	Upland-CECET	46.67	159.07	0.14

Page 238 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
18487	Upland-CECET	43.58	158.14	-0.38
18488	Upland-CECET	45.17	158.15	-0.67
18489	Upland-CECET	47.16	158.16	-0.67
18490	Upland-CECET	47.29	158.18	-0.67
18491	Upland-CECET	46.74	158.19	-0.67
18492	Upland-CECET	45.93	158.20	-0.67
18493	Upland-CECET	45.40	158.21	-0.67
18494	Upland-CECET	45.51	158.23	-0.67
18495	Upland-CECET	45.11	158.24	-0.67
18496	Upland-CECET	44.50	158.25	-0.74
18497	Upland-CECET	45.32	158.26	-0.74
18498	Upland-CECET	45.93	158.28	-0.74
18499	Upland-CECET	45.19	158.29	-0.74
18500	Upland-CECET	44.42	158.30	-0.74
18501	Upland-CECET	42.73	158.31	-0.74
18502	Upland-CECET	40.03	158.32	-0.74
18503	Upland-CECET	37.52	158.33	-0.74
18504	Upland-CECET	36.85	158.34	-0.74
18505	Upland-CECET	33.87	158.35	-0.63
18506	Upland-CECET	32.11	158.36	-0.63
18507	Upland-CECET	31.50	158.37	-0.63
18508	Upland-CECET	30.99	158.38	-0.63
18509	Upland-CECET	30.47	158.39	-0.63
18510	Upland-CECET	29.94	158.40	-0.63
18511	Upland-CECET	28.58	158.40	-0.63
18512	Upland-CECET	26.17	158.41	-0.63
18513	Upland-CECET	22.63	158.42	-0.63
18514	Upland-CECET	18.04	158.42	-0.63
18515	Upland-CECET	12.88	158.43	-0.63
18516	Upland-CECET	7.25	158.43	-0.63
18517	Upland-CECET	3.32	158.43	-0.63
18518	Upland-CECET	1.40	158.43	-0.63
18519	Upland-CECET	1.75	158.43	-0.63
18520	Upland-CECET	3.05	158.43	-0.63
18521	Upland-CECET	4.22	158.43	-0.63
18522	Upland-CECET	5.24	158.43	-0.63
18523	Upland-CECET	7.60	158.43	-0.63
18524	Upland-CECET	8.96	158.44	-0.63
18525	Upland-CECET	10.27	158.44	-0.63
18526	Upland-CECET	12.47	158.44	-0.63
18527	Upland-CECET	14.15	158.45	-0.63
18528	Upland-CECET	15.68	158.45	-0.91
18529	Upland-CECET	16.98	158.46	-0.91
18530	Upland-CECET	17.37	158.46	-0.91
18531	Upland-CECET	17.09	158.47	-0.91
18532	Upland-CECET	17.42	158.47	-0.91
18533	Upland-CECET	17.64	158.48	-0.91
18534	Upland-CECET	17.12	158.48	-0.91
18535	Upland-CECET	17.56	158.49	-0.91
18536	Upland-CECET	17.16	158.49	-0.91
18537	Upland-CECET	16.66	158.49	-0.91
18538	Upland-CECET	16.16	158.50	-0.91
18539	Upland-CECET	15.47	158.50	-0.91
18540	Upland-CECET	15.01	158.51	-0.91
18541	Upland-CECET	15.08	158.51	-0.91
18542	Upland-CECET	14.56	158.51	-0.91
18543	Upland-CECET	13.82	158.52	-0.91
18544	Upland-CECET	13.24	158.52	-0.91
18545	Upland-CECET	8.96	158.52	-0.91
18546	Upland-CECET	6.49	158.53	-0.91
18547	Upland-CECET	4.77	158.53	-0.91
18548	Upland-CECET	3.58	158.53	-0.91
18549	Upland-CECET	2.58	158.53	-0.91
18550	Upland-CECET	1.94	158.53	-0.91
18551	Upland-CECET	2.38	158.53	-0.91
18552	Upland-CECET	2.66	158.53	-0.91
18553	Upland-CECET	2.93	158.53	-0.91
18554	Upland-CECET	2.11	158.53	-0.91
18555	Upland-CECET	0.92	158.53	-0.91
18556	Upland-CECET	0.00	158.53	-0.91
18557	Upland-CECET	0.00	158.53	-0.91
18558	Upland-CECET	0.00	158.53	-0.91
18559	Upland-CECET	0.00	158.53	-0.91
18560	Upland-CECET	0.00	158.53	-0.91
18561	Upland-CECET	0.00	158.53	-0.91
18562	Upland-CECET	0.00	158.53	-0.91
18563	Upland-CECET	0.00	158.53	-0.91
18564	Upland-CECET	0.00	158.53	-0.91

Page 241 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
18721	Upland-CECET	34.61	159.63	0.23
18722	Upland-CECET	35.06	159.64	0.23
18723	Upland-CECET	35.45	159.65	0.02
18724	Upland-CECET	35.63	159.66	0.02
18725	Upland-CECET	36.08	159.67	0.02
18726	Upland-CECET	35.69	159.68	0.02
18727	Upland-CECET	34.41	159.69	0.02
18728	Upland-CECET	32.32	159.70	0.02
18729	Upland-CECET	29.87	159.71	0.02
18730	Upland-CECET	27.50	159.72	0.02
18731	Upland-CECET	24.83	159.72	0.02
18732	Upland-CECET	21.98	159.73	0.02
18733	Upland-CECET	19.00	159.74	0.02
18734	Upland-CECET	15.98	159.74	0.02
18735	Upland-CECET	13.86	159.74	0.02
18736	Upland-CECET	12.04	159.75	0.02
18737	Upland-CECET	10.67	159.75	0.02
18738	Upland-CECET	9.89	159.75	0.45
18739	Upland-CECET	7.82	159.75	0.45
18740	Upland-CECET	6.60	159.76	0.45
18741	Upland-CECET	5.66	159.76	0.45
18742	Upland-CECET	5.36	159.76	0.45
18743	Upland-CECET	5.59	159.76	0.45
18744	Upland-CECET	7.88	159.76	0.45
18745	Upland-CECET	12.12	159.77	0.45
18746	Upland-CECET	15.40	159.77	0.45
18747	Upland-CECET	18.51	159.78	0.45
18748	Upland-CECET	21.18	159.78	0.45
18749	Upland-CECET	23.40	159.79	0.45
18750	Upland-CECET	24.07	159.79	0.45
18751	Upland-CECET	24.80	159.80	0.45
18752	Upland-CECET	26.41	159.81	0.45
18753	Upland-CECET	27.69	159.82	0.45
18754	Upland-CECET	29.27	159.82	0.45
18755	Upland-CECET	30.88	159.83	0.45
18756	Upland-CECET	31.73	159.84	0.45
18757	Upland-CECET	32.26	159.85	-2.32
18758	Upland-CECET	32.52	159.86	-2.32
18759	Upland-CECET	33.07	159.87	-2.32
18760	Upland-CECET	32.11	159.88	-2.32
18761	Upland-CECET	31.97	159.89	-2.32
18762	Upland-CECET	32.22	159.89	-2.32
18763	Upland-CECET	32.06	159.90	-2.32
18764	Upland-CECET	31.28	159.91	-2.32
18765	Upland-CECET	30.68	159.92	-2.32
18766	Upland-CECET	30.10	159.93	-2.32
18767	Upland-CECET	29.37	159.94	-2.32
18768	Upland-CECET	28.20	159.94	-2.32
18769	Upland-CECET	26.47	159.95	0.03
18770	Upland-CECET	24.65	159.96	0.03
18771	Upland-CECET	23.03	159.97	0.03
18772	Upland-CECET	20.88	159.97	0.03
18773	Upland-CECET	18.60	159.98	0.03
18774	Upland-CECET	16.54	159.98	0.03
18775	Upland-CECET	14.73	159.98	0.03
18776	Upland-CECET	13.77	159.99	0.03
18777	Upland-CECET	13.43	159.99	0.03
18778	Upland-CECET	11.86	160.00	0.03
18779	Upland-CECET	9.99	160.00	0.03
18780	Upland-CECET	8.36	160.00	0.03
18781	Upland-CECET	6.76	160.00	0.03
18782	Upland-CECET	5.42	160.00	0.03
18783	Upland-CECET	4.45	160.00	0.03
18784	Upland-CECET	3.62	160.01	0.03
18785	Upland-CECET	2.74	160.01	0.03
18786	Upland-CECET	1.58	160.01	0.03
18787	Upland-CECET	0.17	160.01	0.03
18788	Upland-CECET	0.00	160.01	0.03
18789	Upland-CECET	0.00	160.01	0.03
18790	Upland-CECET	0.00	160.01	0.03
18791	Upland-CECET	0.00	160.01	0.03
18792	Upland-CECET	0.00	160.01	0.03
18793	Upland-CECET	0.00	160.01	0.03
18794	Upland-CECET	0.00	160.01	0.03
18795	Upland-CECET	0.00	160.01	0.03
18796	Upland-CECET	0.00	160.01	0.03
18797	Upland-CECET	0.00	160.01	0.03
18798	Upland-CECET	1.17	160.01	0.03

Page 243 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
18877	Upland-CECET	37.82	160.37	-0.06
18878	Upland-CECET	38.60	160.38	-0.06
18879	Upland-CECET	39.63	160.40	-0.06
18880	Upland-CECET	40.28	160.41	-0.06
18881	Upland-CECET	40.06	160.42	-0.06
18882	Upland-CECET	40.53	160.43	-0.06
18883	Upland-CECET	40.55	160.44	-0.06
18884	Upland-CECET	41.01	160.45	1.85
18885	Upland-CECET	41.06	160.46	1.85
18886	Upland-CECET	41.83	160.47	1.85
18887	Upland-CECET	43.36	160.48	1.85
18888	Upland-CECET	44.57	160.50	1.85
18889	Upland-CECET	46.35	160.51	1.85
18890	Upland-CECET	46.56	160.52	1.85
18891	Upland-CECET	47.49	160.54	1.85
18892	Upland-CECET	48.86	160.55	1.85
18893	Upland-CECET	49.85	160.56	1.82
18894	Upland-CECET	50.52	160.58	-3.02
18895	Upland-CECET	51.41	160.59	-3.02
18896	Upland-CECET	51.67	160.61	-3.02
18897	Upland-CECET	51.96	160.62	-3.02
18898	Upland-CECET	51.28	160.63	-3.02
18899	Upland-CECET	49.89	160.65	-3.02
18900	Upland-CECET	47.60	160.66	-5.24
18901	Upland-CECET	45.83	160.67	-5.24
18902	Upland-CECET	45.23	160.69	-5.24
18903	Upland-CECET	43.66	160.70	-5.24
18904	Upland-CECET	41.60	160.71	-5.24
18905	Upland-CECET	39.20	160.72	-5.24
18906	Upland-CECET	36.80	160.73	-5.24
18907	Upland-CECET	34.48	160.74	-5.24
18908	Upland-CECET	31.94	160.75	-5.24
18909	Upland-CECET	29.01	160.76	-2.99
18910	Upland-CECET	25.85	160.76	-2.99
18911	Upland-CECET	21.93	160.77	-2.99
18912	Upland-CECET	18.03	160.77	-2.99
18913	Upland-CECET	14.21	160.78	-2.99
18914	Upland-CECET	12.01	160.78	-2.99
18915	Upland-CECET	10.13	160.78	-2.99
18916	Upland-CECET	7.80	160.79	-2.99
18917	Upland-CECET	5.81	160.79	-2.99
18918	Upland-CECET	4.57	160.79	-2.99
18919	Upland-CECET	3.34	160.79	-2.99
18920	Upland-CECET	2.26	160.79	-2.99
18921	Upland-CECET	1.24	160.79	-2.99
18922	Upland-CECET	0.00	160.79	-2.99
18923	Upland-CECET	0.00	160.79	-2.99
18924	Upland-CECET	0.00	160.79	-2.99
18925	Upland-CECET	0.00	160.79	-2.99
18926	Upland-CECET	0.00	160.79	-2.99
18927	Upland-CECET	0.00	160.79	-2.99
18928	Upland-CECET	0.00	160.79	-2.99
18929	Upland-CECET	0.00	160.79	-2.99
18930	Upland-CECET	0.00	160.79	-2.99
18931	Upland-CECET	0.00	160.79	-2.99
18932	Upland-CECET	0.00	160.79	-2.99
18933	Upland-CECET	1.51	160.79	-2.99
18934	Upland-CECET	5.36	160.79	-2.99
18935	Upland-CECET	10.14	160.80	-2.99
18936	Upland-CECET	13.81	160.80	-2.99
18937	Upland-CECET	17.06	160.80	-2.99
18938	Upland-CECET	21.52	160.81	-2.99
18939	Upland-CECET	25.70	160.82	-2.99
18940	Upland-CECET	28.66	160.83	-2.99
18941	Upland-CECET	30.77	160.83	-2.99
18942	Upland-CECET	32.46	160.84	-2.99
18943	Upland-CECET	34.11	160.85	0.15
18944	Upland-CECET	34.78	160.86	0.15
18945	Upland-CECET	34.29	160.87	0.15
18946	Upland-CECET	34.62	160.88	0.15
18947	Upland-CECET	36.00	160.89	0.15
18948	Upland-CECET	36.88	160.90	0.15
18949	Upland-CECET	36.87	160.91	0.15
18950	Upland-CECET	37.99	160.92	0.15
18951	Upland-CECET	39.18	160.93	0.15
18952	Upland-CECET	38.89	160.94	0.15
18953	Upland-CECET	38.19	160.95	-0.75
18954	Upland-CECET	37.70	160.96	-0.75

Page 242 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
18799	Upland-CECET	1.31	160.01	0.03
18800	Upland-CECET	1.34	160.01	0.03
18801	Upland-CECET	1.30	160.01	0.03
18802	Upland-CECET	1.24	160.01	0.03
18803	Upland-CECET	1.31	160.01	0.03
18804	Upland-CECET	1.43	160.01	0.03
18805	Upland-CECET	0.88	160.01	0.03
18806	Upland-CECET	0.00	160.01	0.03
18807	Upland-CECET	0.00	160.01	0.03
18808	Upland-CECET	0.00	160.01	0.03
18809	Upland-CECET	0.00	160.01	0.03
18810	Upland-CECET	0.00	160.01	0.03
18811	Upland-CECET	0.00	160.01	0.03
18812	Upland-CECET	0.00	160.01	0.03
18813	Upland-CECET	0.00	160.01	0.03
18814	Upland-CECET	0.00	160.01	0.03
18815	Upland-CECET	0.00	160.01	0.03
18816	Upland-CECET	0.00	160.01	0.03
18817	Upland-CECET	0.00	160.01	0.03
18818	Upland-CECET	0.00	160.01	0.03
18819	Upland-CECET	0.00	160.01	0.03
18820	Upland-CECET	0.00	160.01	0.03
18821	Upland-CECET	0.00	160.01	0.03
18822	Upland-CECET	0.00	160.01	0.03
18823	Upland-CECET	0.00	160.01	0.03
18824	Upland-CECET	0.00	160.01	0.03
18825	Upland-CECET	0.00	160.01	0.03
18826	Upland-CECET	0.00	160.01	0.03
18827	Upland-CECET	0.00	160.01	0.03
18828	Upland-CECET	0.00	160.01	0.03
18829	Upland-CECET	0.00	160.01	0.03
18830	Upland-CECET	0.00	160.01	0.03
18831	Upland-CECET	0.00	160.01	0.03
18832	Upland-CECET	0.00	160.01	0.03
18833	Upland-CECET	0.00	160.01	0.03
18834	Upland-CECET	0.43	160.01	0.03
18835	Upland-CECET	2.67	160.01	0.03
18836	Upland-CECET	4.91	160.01	0.03
18837	Upland-CECET	6.95	160.01	0.03
18838	Upland-CECET	10.08	160.02	0.03
18839	Upland-CECET	12.25	160.02	0.03
18840	Upland-CECET	14.54	160.02	0.03
18841	Upland-CECET	18.03	160.03	0.03
18842	Upland-CECET	22.52	160.04	0.03
18843	Upland-CECET	24.93	160.04	0.03
18844	Upland-CECET	24.91	160.05	0.03
18845	Upland-CECET	25.06	160.06	0.03
18846	Upland-CECET	27.20	160.06	0.03
18847	Upland-CECET	30.59	160.07	0.03
18848	Upland-CECET	33.79	160.08	0.03
18849	Upland-CECET	36.34	160.09	0.03
18850	Upland-CECET	38.54	160.10	0.03
18851	Upland-CECET	40.02	160.11	0.03
18852	Upland-CECET	40.07	160.12	0.03
18853	Upland-CECET	39.94	160.13	0.03
18854	Upland-CECET	40.88	160.15	0.03
18855	Upland-CECET	41.16	160.16	-0.03
18856	Upland-CECET	42.10	160.17	-0.03
18857	Upland-CECET	40.97	160.18	-0.03
18858	Upland-CECET	40.19	160.19	-0.03
18859	Upland-CECET	39.27	160.20	-0.03
18860	Upland-CECET	37.69	160.21	-0.03
18861	Upland-CECET	36.72	160.22	-0.03
18862	Upland-CECET	35.79	160.23	-0.03
18863	Upland-CECET	35.05	160.24	-0.03
18864	Upland-CECET	34.33	160.25	-0.42
18865	Upland-CECET	34.26	160.26	-0.42
18866	Upland-CECET	34.26	160.27	-0.42
18867	Upland-CECET	34.27	160.28	-0.42
18868	Upland-CECET	34.30	160.29	-0.42
18869	Upland-CECET	33.56	160.30	-0.42
18870	Upland-CECET	33.17	160.31	-0.42
18871	Upland-CECET	31.71	160.32	-0.42
18872	Upland-CECET	31.42	160.33	-0.42
18873	Upland-CECET	31.44	160.33	-0.42
18874	Upland-CECET	34.48	160.34	-0.42
18875	Upland-CECET	36.39	160.35	-0.42
18876	Upland-CECET	37.42	160.36	-0.06

Page 245 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
19033	Upland-CECET	36.04	161.70	-1.72
19034	Upland-CECET	36.69	161.71	-1.72
19035	Upland-CECET	37.86	161.72	-1.72
19036	Upland-CECET	38.73	161.73	-1.72
19037	Upland-CECET	39.24	161.74	-1.72
19038	Upland-CECET	38.96	161.75	-1.72
19039	Upland-CECET	39.50	161.76	-1.14
19040	Upland-CECET	38.06	161.77	-1.14
19041	Upland-CECET	34.95	161.78	-1.14
19042	Upland-CECET	32.20	161.79	-1.14
19043	Upland-CECET	30.41	161.80	-1.14
19044	Upland-CECET	29.18	161.80	-1.14
19045	Upland-CECET	28.08	161.81	-1.14
19046	Upland-CECET	27.75	161.82	-1.14
19047	Upland-CECET	27.87	161.83	-1.14
19048	Upland-CECET	29.42	161.84	-1.14
19049	Upland-CECET	31.75	161.84	-1.14
19050	Upland-CECET	34.27	161.85	-1.01
19051	Upland-CECET	36.05	161.86	-1.01
19052	Upland-CECET	37.24	161.87	-1.01
19053	Upland-CECET	38.25	161.88	-1.01
19054	Upland-CECET	38.63	161.89	-1.01
19055	Upland-CECET	37.86	161.91	-1.01
19056	Upland-CECET	37.03	161.92	-1.01
19057	Upland-CECET	36.14	161.93	-1.01
19058	Upland-CECET	35.14	161.93	-1.01
19059	Upland-CECET	34.23	161.94	-1.01
19060	Upland-CECET	33.51	161.95	0.12
19061	Upland-CECET	34.13	161.96	0.12
19062	Upland-CECET	35.57	161.97	0.12
19063	Upland-CECET	36.57	161.98	0.12
19064	Upland-CECET	37.08	161.99	0.12
19065	Upland-CECET	37.68	162.00	0.12
19066	Upland-CECET	37.37	162.01	0.12
19067	Upland-CECET	38.05	162.02	0.12
19068	Upland-CECET	39.26	162.03	0.12
19069	Upland-CECET	40.46	162.05	0.12
19070	Upland-CECET	41.68	162.06	0.38
19071	Upland-CECET	42.10	162.07	0.38
19072	Upland-CECET	41.81	162.08	0.38
19073	Upland-CECET	42.14	162.09	0.38
19074	Upland-CECET	41.48	162.10	0.38
19075	Upland-CECET	40.73	162.11	0.38
19076	Upland-CECET	40.04	162.13	0.38
19077	Upland-CECET	38.78	162.14	0.38
19078	Upland-CECET	37.03	162.15	0.38
19079	Upland-CECET	35.11	162.16	-0.30
19080	Upland-CECET	34.18	162.17	-0.30
19081	Upland-CECET	34.67	162.18	-0.30
19082	Upland-CECET	34.80	162.18	-0.30
19083	Upland-CECET	34.21	162.19	-0.30
19084	Upland-CECET	33.57	162.20	-0.30
19085	Upland-CECET	32.73	162.21	-0.30
19086	Upland-CECET	31.42	162.22	-0.30
19087	Upland-CECET	29.64	162.23	-0.30
19088	Upland-CECET	27.94	162.24	-0.30
19089	Upland-CECET	26.30	162.24	-0.30
19090	Upland-CECET	25.63	162.25	-0.39
19091	Upland-CECET	25.28	162.26	-0.39
19092	Upland-CECET	24.20	162.26	-0.39
19093	Upland-CECET	22.29	162.27	-0.39
19094	Upland-CECET	19.87	162.28	-0.39
19095	Upland-CECET	16.37	162.28	-0.39
19096	Upland-CECET	12.76	162.28	-0.39
19097	Upland-CECET	12.18	162.29	-0.39
19098	Upland-CECET	12.37	162.29	-0.39
19099	Upland-CECET	12.85	162.29	-0.39
19100	Upland-CECET	15.00	162.30	-0.39
19101	Upland-CECET	17.88	162.30	-0.39
19102	Upland-CECET	19.65	162.31	-0.39
19103	Upland-CECET	19.60	162.31	-0.39
19104	Upland-CECET	19.83	162.32	-0.39
19105	Upland-CECET	21.97	162.33	-0.39
19106	Upland-CECET	24.85	162.33	-0.39
19107	Upland-CECET	27.56	162.34	-0.39
19108	Upland-CECET	30.04	162.35	-0.39
19109	Upland-CECET	32.63	162.36	-0.27
19110	Upland-CECET	34.94	162.37	-0.27

Page 247 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
19189	Upland-CECET	46.22	163.18	0.41
19190	Upland-CECET	44.55	163.20	0.41
19191	Upland-CECET	42.05	163.21	0.41
19192	Upland-CECET	39.23	163.22	0.41
19193	Upland-CECET	36.44	163.23	0.41
19194	Upland-CECET	33.97	163.24	0.41
19195	Upland-CECET	31.69	163.25	0.41
19196	Upland-CECET	29.38	163.25	-0.19
19197	Upland-CECET	27.18	163.26	-0.19
19198	Upland-CECET	24.91	163.27	-0.19
19199	Upland-CECET	22.65	163.27	-0.19
19200	Upland-CECET	20.27	163.28	-0.19
19201	Upland-CECET	17.78	163.29	-0.19
19202	Upland-CECET	14.93	163.29	-0.19
19203	Upland-CECET	12.07	163.29	-0.19
19204	Upland-CECET	9.51	163.30	-0.19
19205	Upland-CECET	7.02	163.30	-0.19
19206	Upland-CECET	5.28	163.30	-0.19
19207	Upland-CECET	4.09	163.30	-0.19
19208	Upland-CECET	2.97	163.30	-0.19
19209	Upland-CECET	1.90	163.30	-0.19
19210	Upland-CECET	0.86	163.30	-0.19
19211	Upland-CECET	0.00	163.30	-0.19
19212	Upland-CECET	0.00	163.30	-0.19
19213	Upland-CECET	0.00	163.30	-0.19
19214	Upland-CECET	0.00	163.30	-0.19
19215	Upland-CECET	0.00	163.30	-0.19
19216	Upland-CECET	0.00	163.30	-0.19
19217	Upland-CECET	0.00	163.30	-0.19
19218	Upland-CECET	0.00	163.30	-0.19
19219	Upland-CECET	0.33	163.30	-0.19
19220	Upland-CECET	1.41	163.30	-0.19
19221	Upland-CECET	2.37	163.30	-0.19
19222	Upland-CECET	5.22	163.30	-0.19
19223	Upland-CECET	7.47	163.31	-0.19
19224	Upland-CECET	10.06	163.31	-0.19
19225	Upland-CECET	13.44	163.31	-0.19
19226	Upland-CECET	17.42	163.32	-0.19
19227	Upland-CECET	21.10	163.32	-0.19
19228	Upland-CECET	24.22	163.33	-0.19
19229	Upland-CECET	26.16	163.34	-0.19
19230	Upland-CECET	28.30	163.34	-0.19
19231	Upland-CECET	30.97	163.35	-0.03
19232	Upland-CECET	33.32	163.36	-0.03
19233	Upland-CECET	35.16	163.37	-0.03
19234	Upland-CECET	36.28	163.38	-0.03
19235	Upland-CECET	36.92	163.39	-0.03
19236	Upland-CECET	37.66	163.40	-0.03
19237	Upland-CECET	38.91	163.41	-0.03
19238	Upland-CECET	40.41	163.42	-0.03
19239	Upland-CECET	41.83	163.44	-0.03
19240	Upland-CECET	43.41	163.45	-0.03
19241	Upland-CECET	45.01	163.46	-0.16
19242	Upland-CECET	46.51	163.47	-0.16
19243	Upland-CECET	47.89	163.49	-0.16
19244	Upland-CECET	49.28	163.50	-0.16
19245	Upland-CECET	50.62	163.51	-0.16
19246	Upland-CECET	50.52	163.53	-0.16
19247	Upland-CECET	49.56	163.54	-0.16
19248	Upland-CECET	49.49	163.55	0.45
19249	Upland-CECET	50.30	163.57	0.45
19250	Upland-CECET	50.67	163.58	0.45
19251	Upland-CECET	50.99	163.60	0.45
19252	Upland-CECET	51.20	163.61	0.45
19253	Upland-CECET	51.49	163.62	0.45
19254	Upland-CECET	52.10	163.64	0.45
19255	Upland-CECET	52.45	163.65	0.21
19256	Upland-CECET	51.88	163.67	0.21
19257	Upland-CECET	51.83	163.68	0.21
19258	Upland-CECET	52.19	163.70	0.21
19259	Upland-CECET	52.55	163.71	0.21
19260	Upland-CECET	53.30	163.73	0.21
19261	Upland-CECET	54.26	163.74	0.21
19262	Upland-CECET	55.34	163.76	-0.25
19263	Upland-CECET	55.45	163.77	-0.25
19264	Upland-CECET	54.66	163.79	-0.25
19265	Upland-CECET	54.04	163.80	-0.25
19266	Upland-CECET	53.42	163.82	-0.25

Page 246 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
19111	Upland-CECET	36.85	162.38	-0.27
19112	Upland-CECET	37.55	162.39	-0.27
19113	Upland-CECET	37.48	162.40	-0.27
19114	Upland-CECET	36.88	162.41	-0.27
19115	Upland-CECET	35.40	162.42	-0.27
19116	Upland-CECET	32.32	162.43	-0.27
19117	Upland-CECET	29.28	162.43	-0.27
19118	Upland-CECET	27.38	162.44	-0.27
19119	Upland-CECET	24.99	162.45	-0.27
19120	Upland-CECET	22.37	162.46	-0.33
19121	Upland-CECET	19.71	162.46	-0.33
19122	Upland-CECET	17.14	162.47	-0.33
19123	Upland-CECET	14.72	162.47	-0.33
19124	Upland-CECET	12.41	162.47	-0.33
19125	Upland-CECET	10.42	162.48	-0.33
19126	Upland-CECET	8.38	162.48	-0.33
19127	Upland-CECET	7.44	162.48	-0.33
19128	Upland-CECET	7.22	162.48	-0.33
19129	Upland-CECET	6.61	162.48	-0.33
19130	Upland-CECET	5.99	162.49	-0.33
19131	Upland-CECET	8.48	162.49	-0.33
19132	Upland-CECET	13.01	162.49	-0.33
19133	Upland-CECET	16.78	162.50	-0.33
19134	Upland-CECET	20.18	162.50	-0.33
19135	Upland-CECET	23.55	162.51	-0.33
19136	Upland-CECET	27.32	162.52	-0.33
19137	Upland-CECET	30.82	162.52	-0.33
19138	Upland-CECET	33.76	162.53	-0.33
19139	Upland-CECET	36.06	162.54	-0.33
19140	Upland-CECET	36.72	162.55	0.04
19141	Upland-CECET	36.16	162.56	0.04
19142	Upland-CECET	36.25	162.57	0.04
19143	Upland-CECET	37.14	162.58	0.04
19144	Upland-CECET	38.16	162.59	0.04
19145	Upland-CECET	39.44	162.60	0.04
19146	Upland-CECET	39.15	162.62	0.04
19147	Upland-CECET	38.13	162.63	0.04
19148	Upland-CECET	38.77	162.64	0.04
19149	Upland-CECET	39.93	162.65	0.04
19150	Upland-CECET	41.33	162.66	0.08
19151	Upland-CECET	42.35	162.67	0.08
19152	Upland-CECET	43.29	162.68	0.08
19153	Upland-CECET	44.01	162.69	0.08
19154	Upland-CECET	44.49	162.71	0.08
19155	Upland-CECET	44.66	162.72	0.08
19156	Upland-CECET	43.93	162.73	0.08
19157	Upland-CECET	43.95	162.74	0.08
19158	Upland-CECET	44.59	162.76	0.57
19159	Upland-CECET	46.32	162.77	0.57
19160	Upland-CECET	46.83	162.78	0.57
19161	Upland-CECET	47.61	162.79	0.57
19162	Upland-CECET	48.06	162.81	0.57
19163	Upland-CECET	47.82	162.82	0.57
19164	Upland-CECET	48.78	162.83	0.57
19165	Upland-CECET	48.96	162.85	0.57
19166	Upland-CECET	49.41	162.86	0.68
19167	Upland-CECET	49.78	162.87	0.68
19168	Upland-CECET	49.54	162.89	0.68
19169	Upland-CECET	49.39	162.90	0.68
19170	Upland-CECET	49.15	162.91	0.68
19171	Upland-CECET	49.60	162.93	0.68
19172	Upland-CECET	49.04	162.94	0.68
19173	Upland-CECET	49.33	162.96	0.31
19174	Upland-CECET	49.11	162.97	0.31
19175	Upland-CECET	49.40	162.98	0.31
19176	Upland-CECET	49.64	163.00	0.31
19177	Upland-CECET	50.33	163.01	0.31
19178	Upland-CECET	50.29	163.02	0.31
19179	Upland-CECET	50.39	163.04	0.31
19180	Upland-CECET	50.43	163.05	0.31
19181	Upland-CECET	54.86	163.07	0.52
19182	Upland-CECET	54.87	163.08	0.52
19183	Upland-CECET	54.78	163.10	0.52
19184	Upland-CECET	54.11	163.11	0.52
19185	Upland-CECET	53.33	163.13	0.52
19186	Upland-CECET	52.89	163.14	0.52
19187	Upland-CECET	52.36	163.16	0.52
19188	Upland-CECET	45.59	163.17	0.41

Page 249 of 279

time [s]	route	speed [mph]	distance [mi]	grade [%]
19345	Upland-CECET	40.53	164.53	-0.41
19346	Upland-CECET	41.70	164.54	-0.41
19347	Upland-CECET	42.53	164.56	-0.34
19348	Upland-CECET	42.73	164.57	-0.34
19349	Upland-CECET	44.41	164.58	-0.34
19350	Upland-CECET	44.10	164.59	-0.34
19351	Upland-CECET	45.16	164.60	-0.34
19352	Upland-CECET	46.57	164.62	-0.34
19353	Upland-CECET	48.15	164.63	-0.34
19354	Upland-CECET	49.18	164.64	-0.34
19355	Upland-CECET	50.12	164.66	-0.70
19356	Upland-CECET	51.38	164.67	-0.70
19357	Upland-CECET	52.57	164.69	-0.70
19358	Upland-CECET	53.73	164.70	-0.70
19359	Upland-CECET	53.63	164.72	-0.70
19360	Upland-CECET	53.27	164.73	-0.70
19361	Upland-CECET	54.17	164.75	-0.70
19362	Upland-CECET	54.94	164.76	-0.22
19363	Upland-CECET	55.15	164.78	-0.22
19364	Upland-CECET	54.82	164.79	-0.22
19365	Upland-CECET	54.32	164.81	-0.22
19366	Upland-CECET	54.36	164.82	-0.22
19367	Upland-CECET	53.85	164.84	-0.22
19368	Upland-CECET	53.65	164.85	-0.22
19369	Upland-CECET	53.83	164.86	-0.18
19370	Upland-CECET	53.33	164.88	-0.18
19371	Upland-CECET	52.42	164.89	-0.18
19372	Upland-CECET	50.50	164.91	-0.18
19373	Upland-CECET	47.98	164.92	-0.18
19374	Upland-CECET	45.07	164.93	-0.18
19375	Upland-CECET	40.67	164.94	-0.18
19376	Upland-CECET	35.80	164.95	-0.74
19377	Upland-CECET	30.37	164.96	-0.74
19378	Upland-CECET	24.77	164.97	-0.74
19379	Upland-CECET	19.14	164.97	-0.74
19380	Upland-CECET	14.49	164.98	-0.74
19381	Upland-CECET	11.16	164.98	-0.74
19382	Upland-CECET	8.26	164.98	-0.74
19383	Upland-CECET	5.98	164.99	-0.74
19384	Upland-CECET	4.43	164.99	-0.74
19385	Upland-CECET	3.07	164.99	-0.74
19386	Upland-CECET	1.64	164.99	-0.74
19387	Upland-CECET	0.17	164.99	-0.74
19388	Upland-CECET	0.00	164.99	-0.74
19389	Upland-CECET	0.00	164.99	-0.74
19390	Upland-CECET	0.00	164.99	-0.74
19391	Upland-CECET	0.00	164.99	-0.74
19392	Upland-CECET	0.00	164.99	-0.74
19393	Upland-CECET	0.00	164.99	-0.74
19394	Upland-CECET	0.00	164.99	-0.74
19395	Upland-CECET	0.00	164.99	-0.74
19396	Upland-CECET	0.00	164.99	-0.74
19397	Upland-CECET	0.00	164.99	-0.74
19398	Upland-CECET	0.00	164.99	-0.74
19399	Upland-CECET	0.00	164.99	-0.74
19400	Upland-CECET	0.00	164.99	-0.74
19401	Upland-CECET	0.00	164.99	-0.74
19402	Upland-CECET	0.00	164.99	-0.74
19403	Upland-CECET	0.48	164.99	-0.74
19404	Upland-CECET	5.02	164.99	-0.74
19405	Upland-CECET	11.85	164.99	-0.74
19406	Upland-CECET	17.36	165.00	-0.74
19407	Upland-CECET	21.83	165.00	-0.74
19408	Upland-CECET	25.94	165.01	-0.74
19409	Upland-CECET	29.50	165.02	-0.74
19410	Upland-CECET	32.14	165.03	-0.74
19411	Upland-CECET	34.74	165.04	-0.74
19412	Upland-CECET	36.96	165.05	-0.74
19413	Upland-CECET	38.61	165.06	-0.09
19414	Upland-CECET	39.85	165.07	-0.09
19415	Upland-CECET	40.77	165.08	-0.09
19416	Upland-CECET	41.76	165.09	-0.09
19417	Upland-CECET	43.28	165.10	-0.09
19418	Upland-CECET	44.36	165.12	-0.09
19419	Upland-CECET	45.07	165.13	-0.09
19420	Upland-CECET	45.45	165.14	-0.09
19421	Upland-CECET	45.93	165.15	0.05
19422	Upland-CECET	46.77	165.17	0.05

Page 251 of 279

time [s]	route	speed [mph]	distance [mi]	grade [%]
19501	Upland-CECET	73.75	166.27	-0.99
19502	Upland-CECET	73.97	166.29	-0.99
19503	Upland-CECET	74.26	166.31	-0.99
19504	Upland-CECET	74.50	166.33	-0.99
19505	Upland-CECET	74.84	166.35	-1.19
19506	Upland-CECET	75.05	166.37	-1.19
19507	Upland-CECET	75.44	166.39	-1.19
19508	Upland-CECET	75.70	166.41	-1.19
19509	Upland-CECET	76.02	166.43	-1.19
19510	Upland-CECET	75.42	166.46	-0.63
19511	Upland-CECET	74.89	166.48	-0.63
19512	Upland-CECET	75.42	166.50	-0.63
19513	Upland-CECET	75.75	166.52	-0.63
19514	Upland-CECET	76.15	166.54	-0.63
19515	Upland-CECET	76.60	166.56	-0.68
19516	Upland-CECET	77.01	166.58	-0.68
19517	Upland-CECET	77.26	166.60	-0.68
19518	Upland-CECET	76.73	166.62	-0.68
19519	Upland-CECET	77.18	166.64	-0.68
19520	Upland-CECET	77.53	166.67	-1.15
19521	Upland-CECET	78.00	166.69	-1.15
19522	Upland-CECET	78.42	166.71	-1.15
19523	Upland-CECET	78.66	166.73	-1.15
19524	Upland-CECET	78.96	166.75	-1.81
19525	Upland-CECET	78.99	166.77	-1.81
19526	Upland-CECET	78.22	166.79	-1.81
19527	Upland-CECET	78.42	166.82	-1.81
19528	Upland-CECET	78.47	166.84	-1.81
19529	Upland-CECET	78.46	166.86	-0.82
19530	Upland-CECET	78.00	166.88	-0.82
19531	Upland-CECET	77.43	166.90	-0.82
19532	Upland-CECET	77.55	166.92	-0.82
19533	Upland-CECET	77.47	166.94	-0.82
19534	Upland-CECET	76.41	166.97	-0.95
19535	Upland-CECET	76.13	166.99	-0.95
19536	Upland-CECET	76.08	167.01	-0.95
19537	Upland-CECET	75.83	167.03	-0.95
19538	Upland-CECET	74.78	167.05	-0.95
19539	Upland-CECET	74.08	167.07	-1.35
19540	Upland-CECET	73.49	167.09	-1.35
19541	Upland-CECET	72.37	167.11	-1.35
19542	Upland-CECET	71.37	167.13	-1.35
19543	Upland-CECET	69.92	167.15	-1.35
19544	Upland-CECET	67.95	167.17	-1.18
19545	Upland-CECET	65.85	167.19	-1.18
19546	Upland-CECET	64.57	167.20	-1.18
19547	Upland-CECET	64.02	167.22	-1.18
19548	Upland-CECET	64.45	167.24	-1.18
19549	Upland-CECET	64.99	167.26	-1.17
19550	Upland-CECET	65.76	167.27	-1.17
19551	Upland-CECET	65.41	167.29	-1.17
19552	Upland-CECET	65.21	167.31	-1.17
19553	Upland-CECET	64.92	167.33	-1.17
19554	Upland-CECET	64.54	167.35	-1.17
19555	Upland-CECET	64.26	167.36	-2.04
19556	Upland-CECET	63.96	167.38	-2.04
19557	Upland-CECET	63.35	167.40	-2.04
19558	Upland-CECET	62.15	167.42	-2.04
19559	Upland-CECET	61.58	167.43	-2.04
19560	Upland-CECET	61.00	167.45	-2.04
19561	Upland-CECET	60.80	167.47	-0.69
19562	Upland-CECET	60.92	167.48	-0.69
19563	Upland-CECET	60.19	167.50	-0.69
19564	Upland-CECET	59.64	167.52	-0.69
19565	Upland-CECET	59.04	167.53	-0.69
19566	Upland-CECET	58.08	167.55	-0.69
19567	Upland-CECET	57.50	167.56	-1.00
19568	Upland-CECET	57.10	167.58	-1.00
19569	Upland-CECET	56.87	167.60	-1.00
19570	Upland-CECET	57.57	167.61	-1.00
19571	Upland-CECET	58.54	167.63	-1.00
19572	Upland-CECET	59.37	167.64	-1.00
19573	Upland-CECET	59.16	167.66	-0.71
19574	Upland-CECET	58.46	167.68	-0.71
19575	Upland-CECET	57.95	167.69	-0.71
19576	Upland-CECET	57.38	167.71	-0.71
19577	Upland-CECET	56.81	167.72	-0.71
19578	Upland-CECET	56.06	167.74	-0.71

Page 250 of 279

time [s]	route	speed [mph]	distance [mi]	grade [%]
19423	Upland-CECET	47.98	165.18	0.05
19424	Upland-CECET	49.35	165.19	0.05
19425	Upland-CECET	49.63	165.21	0.05
19426	Upland-CECET	49.06	165.22	0.05
19427	Upland-CECET	48.94	165.23	0.05
19428	Upland-CECET	49.01	165.25	0.05
19429	Upland-CECET	48.72	165.26	-0.43
19430	Upland-CECET	49.48	165.27	-0.43
19431	Upland-CECET	50.54	165.29	-0.43
19432	Upland-CECET	52.05	165.30	-0.43
19433	Upland-CECET	52.00	165.32	-0.43
19434	Upland-CECET	51.38	165.33	-0.43
19435	Upland-CECET	50.82	165.34	-0.43
19436	Upland-CECET	50.01	165.36	-0.40
19437	Upland-CECET	50.49	165.37	-0.40
19438	Upland-CECET	51.58	165.39	-0.40
19439	Upland-CECET	52.81	165.40	-0.40
19440	Upland-CECET	53.93	165.42	-0.40
19441	Upland-CECET	54.85	165.43	-0.40
19442	Upland-CECET	55.58	165.45	-0.40
19443	Upland-CECET	55.49	165.46	-0.40
19444	Upland-CECET	54.78	165.48	-0.60
19445	Upland-CECET	54.27	165.49	-0.60
19446	Upland-CECET	53.59	165.51	-0.60
19447	Upland-CECET	52.91	165.52	-0.60
19448	Upland-CECET	52.23	165.54	-0.60
19449	Upland-CECET	51.01	165.55	-0.60
19450	Upland-CECET	49.70	165.56	-0.35
19451	Upland-CECET	49.01	165.58	-0.35
19452	Upland-CECET	48.96	165.59	-0.35
19453	Upland-CECET	49.58	165.60	-0.35
19454	Upland-CECET	50.16	165.62	-0.35
19455	Upland-CECET	49.96	165.63	-0.35
19456	Upland-CECET	49.53	165.64	-0.35
19457	Upland-CECET	49.72	165.66	0.05
19458	Upland-CECET	49.60	165.67	0.05
19459	Upland-CECET	48.65	165.69	0.05
19460	Upland-CECET	47.25	165.70	0.05
19461	Upland-CECET	45.64	165.71	0.05
19462	Upland-CECET	44.26	165.72	0.05
19463	Upland-CECET	41.79	165.73	0.05
19464	Upland-CECET	39.24	165.75	0.05
19465	Upland-CECET	36.38	165.76	0.63
19466	Upland-CECET	32.91	165.76	0.63
19467	Upland-CECET	29.91	165.77	0.63
19468	Upland-CECET	26.75	165.78	0.63
19469	Upland-CECET	23.34	165.79	0.63
19470	Upland-CECET	21.42	165.79	0.63
19471	Upland-CECET	21.79	165.80	0.63
19472	Upland-CECET	23.69	165.80	0.63
19473	Upland-CECET	27.47	165.81	0.63
19474	Upland-CECET	31.53	165.82	0.63
19475	Upland-CECET	35.02	165.83	0.63
19476	Upland-CECET	38.10	165.84	0.63
19477	Upland-CECET	40.83	165.85	-0.8
19478	Upland-CECET	42.86	165.86	-0.8
19479	Upland-CECET	44.98	165.88	-0.8
19480	Upland-CECET	47.22	165.89	-0.8
19481	Upland-CECET	49.44	165.90	-0.8
19482	Upland-CECET	52.22	165.92	-0.8
19483	Upland-CECET	54.84	165.93	-0.8
19484	Upland-CECET	57.13	165.95	-0.8
19485	Upland-CECET	59.86	165.98	-0.8
19486	Upland-CECET	60.40	165.98	-1.93
19487	Upland-CECET	61.92	166.00	-1.93
19488	Upland-CECET	63.49	166.02	-1.93
19489	Upland-CECET	65.06	166.03	-1.93
19490	Upland-CECET	67.03	166.05	-1.93
19491	Upland-CECET	68.83	166.07	-1.93
19492	Upland-CECET	70.46	166.08	-1.93
19493	Upland-CECET	71.68	166.11	-1.83
19494	Upland-CECET	72.45	166.13	-1.83
19495	Upland-CECET	71.85	166.15	-1.83
19496	Upland-CECET	71.67	166.17	-1.83
19497	Upland-CECET	72.40	166.19	-1.83
19498	Upland-CECET	72.71	166.21	-1.83
19499	Upland-CECET	73.11	166.23	-1.83
19500	Upland-CECET	73.39	166.25	-1.83

Page 253 of 279

time [s]	route	speed [mph]	distance [mi]	grade [%]
19657	Upland-CECET	40.63	168.86	-1.39
19658	Upland-CECET	42.98	168.87	-1.39
19659	Upland-CECET	45.50	168.88	-1.39
19660	Upland-CECET	47.79	168.89	-1.39
19661	Upland-CECET	49.88	168.91	-1.39
19662	Upland-CECET	51.79	168.92	-1.39
19663	Upland-CECET	53.47	168.94	-1.39
19664	Upland-CECET	55.14	168.95	-1.25
19665	Upland-CECET	56.54	168.97	-1.25
19666	Upland-CECET	56.52	168.98	-1.25
19667	Upland-CECET	56.75	169.00	-1.25
19668	Upland-CECET	57.83	169.01	-1.25
19669	Upland-CECET	58.84	169.03	-1.25
19670	Upland-CECET	60.36	169.05	-1.25
19671	Upland-CECET	61.65	169.06	-1.84
19672	Upland-CECET	62.82	169.08	-1.84
19673	Upland-CECET	63.55	169.10	-1.84
19674	Upland-CECET	64.39	169.12	-1.84
19675	Upland-CECET	65.07	169.13	-1.84
19676	Upland-CECET	65.63	169.15	-1.26
19677	Upland-CECET	66.22	169.17	-1.26
19678	Upland-CECET	66.72	169.19	-1.26
19679	Upland-CECET	66.82	169.21	-1.26
19680	Upland-CECET	67.02	169.22	-1.26
19681	Upland-CECET	67.21	169.24	-1.26
19682	Upland-CECET	67.25	169.26	-1.36
19683	Upland-CECET	67.04	169.28	-1.36
19684	Upland-CECET	66.91	169.30	-1.36
19685	Upland-CECET	67.13	169.32	-1.36
19686	Upland-CECET	67.30	169.34	-1.36
19687	Upland-CECET	67.39	169.35	-1.30
19688	Upland-CECET	67.78	169.37	-1.30
19689	Upland-CECET	68.12	169.39	-1.30
19690	Upland-CECET	68.34	169.41	-1.30
19691	Upland-CECET	68.59	169.43	-1.30
19692	Upland-CECET	68.86	169.45	-1.30
19693	Upland-CECET	68.40	169.47	-1.24
19694	Upland-CECET	68.81	169.49	-1.24
19695	Upland-CECET	68.95	169.50	-1.24
19696	Upland-CECET	68.43	169.52	-1.24
19697	Upland-CECET	67.73	169.54	-1.24
19698	Upland-CECET	67.82	169.56	-1.10
19699	Upland-CECET	68.09	169.58	-1.10
19700	Upland-CECET	67.52	169.60	-1.10
19701	Upland-CECET	67.05	169.62	-1.10
19702	Upland-CECET	67.12	169.64	-1.10
19703	Upland-CECET	67.12	169.65	-1.38
19704	Upland-CECET	67.24	169.67	-1.38
19705	Upland-CECET	66.72	169.69	-1.38
19706	Upland-CECET	66.76	169.71	-1.38
19707	Upland-CECET	67.34	169.73	-1.38
19708	Upland-CECET	68.08	169.75	-1.38
19709	Upland-CECET	68.77	169.76	-1.29
19710	Upland-CECET	69.20	169.78	-1.29
19711	Upland-CECET	69.49	169.80	-1.29
19712	Upland-CECET	69.44	169.82	-1.29
19713	Upland-CECET	69.27	169.84	-1.29
19714	Upland-CECET	68.92	169.86	-1.34
19715	Upland-CECET	68.53	169.88	-1.34
19716	Upland-CECET	68.25	169.90	-1.34
19717	Upland-CECET	67.80	169.92	-1.34
19718	Upland-CECET	66.11	169.93	-1.34
19719	Upland-CECET	65.86	169.95	-1.21
19720	Upland-CECET	65.20	169.97	-1.21
19721	Upland-CECET	64.78	169.99	-1.21
19722	Upland-CECET	64.38	170.01	-1.21
19723	Upland-CECET	63.90	170.02	-1.21
19724	Upland-CECET	63.55	170.04	-1.21
19725	Upland-CECET	63.41	170.06	-1.25
19726	Upland-CECET	63.61	170.08	-1.25
19727	Upland-CECET	63.85	170.09	-1.25
19728	Upland-CECET	64.20	170.11	-1.25
19729	Upland-CECET	64.32	170.13	-1.25
19730	Upland-CECET	64.86	170.15	-1.25
19731	Upland-CECET	65.20	170.16	-0.41
19732	Upland-CECET	65.86	170.18	-0.41
19733	Upland-CECET	66.43	170.20	-0.41
19734	Upland-CECET	67.16	170.22	-0.41

Page 255 of 279

time [s]	route	speed [mph]	distance [mi]	grade [%]
19813	Upland-CECET	67.17	171.73	0.89
19814	Upland-CECET	67.52	171.75	1.01
19815	Upland-CECET	67.79	171.77	1.01
19816	Upland-CECET	68.15	171.79	1.01
19817	Upland-CECET	68.41	171.81	1.01
19818	Upland-CECET	68.56	171.83	1.01
19819	Upland-CECET	68.79	171.85	1.01
19820	Upland-CECET	68.98	171.86	-0.67
19821	Upland-CECET	69.37	171.88	-0.67
19822	Upland-CECET	69.27	171.90	-0.67
19823	Upland-CECET	68.38	171.92	-0.67
19824	Upland-CECET	68.31	171.94	-0.67
19825	Upland-CECET	69.06	171.96	4.98
19826	Upland-CECET	69.85	171.98	4.98
19827	Upland-CECET	70.46	172.00	4.98
19828	Upland-CECET	70.82	172.02	4.98
19829	Upland-CECET	71.19	172.04	4.98
19830	Upland-CECET	71.75	172.06	-1.18
19831	Upland-CECET	71.90	172.08	-1.18
19832	Upland-CECET	71.61	172.10	-1.18
19833	Upland-CECET	71.38	172.12	-1.18
19834	Upland-CECET	70.97	172.13	-1.18
19835	Upland-CECET	70.48	172.15	-4.07
19836	Upland-CECET	69.92	172.17	-4.07
19837	Upland-CECET	70.06	172.19	-4.07
19838	Upland-CECET	70.48	172.21	-4.07
19839	Upland-CECET	70.89	172.23	-4.07
19840	Upland-CECET	71.20	172.25	-2.18
19841	Upland-CECET	71.50	172.27	-2.18
19842	Upland-CECET	71.79	172.29	-2.18
19843	Upland-CECET	72.01	172.31	-2.18
19844	Upland-CECET	71.99	172.33	-2.18
19845	Upland-CECET	72.04	172.35	-2.18
19846	Upland-CECET	71.97	172.37	-0.41
19847	Upland-CECET	71.34	172.39	-0.41
19848	Upland-CECET	70.60	172.41	-0.41
19849	Upland-CECET	70.55	172.43	-0.41
19850	Upland-CECET	70.92	172.45	-0.41
19851	Upland-CECET	71.29	172.47	0.05
19852	Upland-CECET	71.24	172.49	0.05
19853	Upland-CECET	70.91	172.51	0.05
19854	Upland-CECET	70.13	172.53	0.05
19855	Upland-CECET	69.78	172.54	0.05
19856	Upland-CECET	70.17	172.56	0.08
19857	Upland-CECET	70.93	172.58	0.08
19858	Upland-CECET	70.83	172.60	0.08
19859	Upland-CECET	70.89	172.62	0.08
19860	Upland-CECET	70.60	172.64	0.08
19861	Upland-CECET	70.35	172.66	0.21
19862	Upland-CECET	70.43	172.68	0.21
19863	Upland-CECET	70.49	172.70	0.21
19864	Upland-CECET	70.54	172.72	0.21
19865	Upland-CECET	70.57	172.74	0.21
19866	Upland-CECET	70.60	172.76	-0.04
19867	Upland-CECET	70.63	172.78	-0.04
19868	Upland-CECET	70.62	172.80	-0.04
19869	Upland-CECET	69.95	172.82	-0.04
19870	Upland-CECET	68.99	172.84	0.04
19871	Upland-CECET	68.40	172.85	-0.02
19872	Upland-CECET	68.42	172.87	-0.02
19873	Upland-CECET	68.02	172.89	-0.02
19874	Upland-CECET	67.72	172.91	-0.02
19875	Upland-CECET	67.80	172.93	-0.02
19876	Upland-CECET	67.37	172.95	-0.02
19877	Upland-CECET	67.99	172.97	0.30
19878	Upland-CECET	67.22	172.98	0.30
19879	Upland-CECET	67.40	173.00	0.30
19880	Upland-CECET	67.15	173.02	0.30
19881	Upland-CECET	66.79	173.04	0.30
19882	Upland-CECET	66.44	173.06	0.66
19883	Upland-CECET	66.42	173.08	0.66
19884	Upland-CECET	66.69	173.09	0.66
19885	Upland-CECET	67.01	173.11	0.66
19886	Upland-CECET	67.36	173.13	0.66
19887	Upland-CECET	67.61	173.15	0.66
19888	Upland-CECET	67.96	173.17	0.45
19889	Upland-CECET	68.19	173.19	0.45
19890	Upland-CECET	68.40	173.21	0.45

Page 254 of 279

time [s]	route	speed [mph]	distance [mi]	grade [%]
19735	Upland-CECET	68.24	170.24	-0.41
19736	Upland-CECET	69.51	170.26	-0.40
19737	Upland-CECET	70.75	170.28	-0.40
19738	Upland-CECET	71.13	170.30	-0.40
19739	Upland-CECET	71.86	170.32	-0.40
19740	Upland-CECET	73.23	170.34	-0.40
19741	Upland-CECET	74.51	170.36	-0.51
19742	Upland-CECET	75.56	170.38	-0.51
19743	Upland-CECET	75.56	170.40	-0.51
19744	Upland-CECET	75.45	170.42	-0.51
19745	Upland-CECET	75.47	170.44	-0.51
19746	Upland-CECET	75.21	170.46	0.79
19747	Upland-CECET	74.52	170.48	0.79
19748	Upland-CECET	73.19	170.50	0.79
19749	Upland-CECET	72.55	170.52	0.79
19750	Upland-CECET	71.83	170.54	0.79
19751	Upland-CECET	71.05	170.56	-0.21
19752	Upland-CECET	69.72	170.58	-0.21
19753	Upland-CECET	67.62	170.60	-0.21
19754	Upland-CECET	65.44	170.62	-0.21
19755	Upland-CECET	64.29	170.63	-0.21
19756	Upland-CECET	64.52	170.65	0.55
19757	Upland-CECET	65.22	170.67	0.55
19758	Upland-CECET	65.79	170.69	0.55
19759	Upland-CECET	66.36	170.71	0.55
19760	Upland-CECET	66.86	170.72	0.55
19761	Upland-CECET	66.27	170.74	0.55
19762	Upland-CECET	65.88	170.76	0.13
19763	Upland-CECET	66.20	170.78	0.13
19764	Upland-CECET	66.34	170.80	0.13
19765	Upland-CECET	66.61	170.82	0.13
19766	Upland-CECET	67.14	170.83	0.13
19767	Upland-CECET	67.82	170.85	0.06
19768	Upland-CECET	68.18	170.87	0.06
19769	Upland-CECET	68.69	170.89	0.06
19770	Upland-CECET	69.17	170.91	0.06
19771	Upland-CECET	69.61	170.93	0.06
19772	Upland-CECET	69.57	170.95	0.06
19773	Upland-CECET	69.81	170.97	-1.02
19774	Upland-CECET	70.74	170.99	-1.02
19775	Upland-CECET	71.59	171.01	-1.02
19776	Upland-CECET	72.28	171.03	-1.02
19777	Upland-CECET	72.57	171.05	-1.02
19778	Upland-CECET	72.79	171.07	-0.69
19779	Upland-CECET	72.84	171.09	-0.69
19780	Upland-CECET	73.07	171.11	-0.69
19781	Upland-CECET	72.74	171.13	-0.69
19782	Upland-CECET	71.87	171.15	-0.69
19783	Upland-CECET	71.90	171.17	0.10
19784	Upland-CECET	71.14	171.18	0.10
19785	Upland-CECET	71.14	171.20	0.10
19786	Upland-CECET	70.78	171.22	0.30
19787	Upland-CECET	70.26	171.24	0.30
19788	Upland-CECET	70.37	171.26	0.33

Page 257 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
19969	Upland-CECET	67.13	174.66	0.47
19970	Upland-CECET	66.55	174.67	0.47
19971	Upland-CECET	66.50	174.69	0.47
19972	Upland-CECET	66.45	174.71	0.47
19973	Upland-CECET	66.74	174.73	0.47
19974	Upland-CECET	67.03	174.75	0.47
19975	Upland-CECET	67.07	174.77	0.33
19976	Upland-CECET	66.31	174.78	0.33
19977	Upland-CECET	66.02	174.80	0.33
19978	Upland-CECET	65.97	174.82	0.33
19979	Upland-CECET	65.87	174.84	0.33
19980	Upland-CECET	66.27	174.86	0.60
19981	Upland-CECET	66.76	174.88	0.60
19982	Upland-CECET	66.65	174.89	0.60
19983	Upland-CECET	66.12	174.91	0.60
19984	Upland-CECET	66.80	174.93	0.60
19985	Upland-CECET	67.27	174.95	0.60
19986	Upland-CECET	66.99	174.97	0.53
19987	Upland-CECET	66.22	174.99	0.53
19988	Upland-CECET	65.79	175.00	0.53
19989	Upland-CECET	66.37	175.02	0.53
19990	Upland-CECET	67.20	175.04	0.53
19991	Upland-CECET	67.70	175.06	0.63
19992	Upland-CECET	67.39	175.08	0.63
19993	Upland-CECET	67.06	175.10	0.63
19994	Upland-CECET	67.21	175.11	0.63
19995	Upland-CECET	67.78	175.13	0.63
19996	Upland-CECET	68.08	175.15	0.51
19997	Upland-CECET	67.92	175.17	0.51
19998	Upland-CECET	66.83	175.19	0.51
19999	Upland-CECET	66.50	175.21	0.51
20000	Upland-CECET	67.02	175.23	0.51
20001	Upland-CECET	67.35	175.24	0.51
20002	Upland-CECET	67.28	175.26	0.79
20003	Upland-CECET	66.55	175.28	0.79
20004	Upland-CECET	65.52	175.30	0.79
20005	Upland-CECET	64.64	175.32	0.79
20006	Upland-CECET	63.78	175.33	0.79
20007	Upland-CECET	62.75	175.35	-0.10
20008	Upland-CECET	61.44	175.37	-0.10
20009	Upland-CECET	59.51	175.39	-0.10
20010	Upland-CECET	59.77	175.40	-0.10
20011	Upland-CECET	60.49	175.42	-0.10
20012	Upland-CECET	61.54	175.43	-0.10
20013	Upland-CECET	62.14	175.45	0.98
20014	Upland-CECET	61.93	175.47	0.98
20015	Upland-CECET	61.59	175.49	0.98
20016	Upland-CECET	61.86	175.50	0.98
20017	Upland-CECET	61.79	175.52	0.98
20018	Upland-CECET	61.62	175.54	0.98
20019	Upland-CECET	61.06	175.55	3.15
20020	Upland-CECET	61.46	175.57	3.15
20021	Upland-CECET	61.30	175.59	3.15
20022	Upland-CECET	60.49	175.60	3.15
20023	Upland-CECET	59.90	175.62	3.15
20024	Upland-CECET	58.61	175.64	3.15
20025	Upland-CECET	56.16	175.65	-0.07
20026	Upland-CECET	53.31	175.67	-0.07
20027	Upland-CECET	50.44	175.68	-0.07
20028	Upland-CECET	48.18	175.69	-0.07
20029	Upland-CECET	46.00	175.71	-0.07
20030	Upland-CECET	44.92	175.72	-0.07
20031	Upland-CECET	44.48	175.73	-0.07
20032	Upland-CECET	45.04	175.74	-0.07
20033	Upland-CECET	45.86	175.76	0.41
20034	Upland-CECET	46.69	175.77	0.41
20035	Upland-CECET	48.34	175.78	0.41
20036	Upland-CECET	50.20	175.80	0.41
20037	Upland-CECET	51.89	175.81	0.41
20038	Upland-CECET	53.64	175.83	0.41
20039	Upland-CECET	55.27	175.84	0.41
20040	Upland-CECET	56.48	175.86	0.81
20041	Upland-CECET	58.04	175.87	0.81
20042	Upland-CECET	59.37	175.89	0.81
20043	Upland-CECET	60.45	175.90	0.81
20044	Upland-CECET	61.05	175.92	0.81
20045	Upland-CECET	60.51	175.94	0.81
20046	Upland-CECET	59.94	175.95	0.43

Page 259 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
20125	Upland-CECET	55.93	177.32	-0.24
20126	Upland-CECET	56.56	177.33	-0.24
20127	Upland-CECET	57.66	177.35	-0.24
20128	Upland-CECET	58.91	177.37	-0.32
20129	Upland-CECET	60.08	177.38	-0.32
20130	Upland-CECET	60.57	177.40	-0.32
20131	Upland-CECET	60.68	177.42	-0.32
20132	Upland-CECET	60.12	177.43	-0.32
20133	Upland-CECET	59.98	177.45	-0.32
20134	Upland-CECET	60.38	177.46	0.01
20135	Upland-CECET	60.83	177.48	0.01
20136	Upland-CECET	61.63	177.50	0.01
20137	Upland-CECET	62.36	177.52	0.01
20138	Upland-CECET	63.41	177.53	0.01
20139	Upland-CECET	64.19	177.55	-0.04
20140	Upland-CECET	64.67	177.57	-0.04
20141	Upland-CECET	65.15	177.59	-0.04
20142	Upland-CECET	64.67	177.60	-0.04
20143	Upland-CECET	63.90	177.62	-0.04
20144	Upland-CECET	63.53	177.64	-0.04
20145	Upland-CECET	64.01	177.66	-0.18
20146	Upland-CECET	64.43	177.67	-0.18
20147	Upland-CECET	64.12	177.69	-0.18
20148	Upland-CECET	64.50	177.71	-0.18
20149	Upland-CECET	64.02	177.73	-0.18
20150	Upland-CECET	63.81	177.75	-0.18
20151	Upland-CECET	63.58	177.76	-0.45
20152	Upland-CECET	63.99	177.78	-0.45
20153	Upland-CECET	63.80	177.80	-0.45
20154	Upland-CECET	63.21	177.82	-0.45
20155	Upland-CECET	63.59	177.83	-0.45
20156	Upland-CECET	64.11	177.85	-0.26
20157	Upland-CECET	64.21	177.87	-0.26
20158	Upland-CECET	63.97	177.89	-0.26
20159	Upland-CECET	62.67	177.90	-0.26
20160	Upland-CECET	62.70	177.92	-0.26
20161	Upland-CECET	62.98	177.94	-0.26
20162	Upland-CECET	63.20	177.95	-0.19
20163	Upland-CECET	63.38	177.97	-0.19
20164	Upland-CECET	63.35	177.99	-0.19
20165	Upland-CECET	63.13	178.01	-0.19
20166	Upland-CECET	62.35	178.02	-0.19
20167	Upland-CECET	62.64	178.04	-0.19
20168	Upland-CECET	63.14	178.06	0.17
20169	Upland-CECET	63.94	178.08	0.17
20170	Upland-CECET	64.66	178.09	0.17
20171	Upland-CECET	65.34	178.11	0.17
20172	Upland-CECET	66.00	178.13	0.17
20173	Upland-CECET	66.61	178.15	0.17
20174	Upland-CECET	66.96	178.17	0.15
20175	Upland-CECET	67.45	178.19	0.15
20176	Upland-CECET	67.99	178.20	0.15
20177	Upland-CECET	67.92	178.22	0.15
20178	Upland-CECET	67.29	178.24	0.15
20179	Upland-CECET	66.45	178.26	-0.11
20180	Upland-CECET	65.74	178.28	-0.11
20181	Upland-CECET	64.30	178.29	-0.11
20182	Upland-CECET	62.45	178.31	-0.11
20183	Upland-CECET	60.27	178.33	-0.11
20184	Upland-CECET	59.34	178.35	-0.11
20185	Upland-CECET	58.69	178.36	-0.25
20186	Upland-CECET	57.97	178.38	-0.25
20187	Upland-CECET	57.31	178.39	-0.25
20188	Upland-CECET	56.78	178.41	-0.25
20189	Upland-CECET	56.02	178.42	-0.25
20190	Upland-CECET	55.47	178.44	-0.25
20191	Upland-CECET	54.83	178.45	-0.16
20192	Upland-CECET	54.88	178.47	-0.16
20193	Upland-CECET	55.10	178.48	-0.16
20194	Upland-CECET	54.55	178.50	-0.16
20195	Upland-CECET	54.80	178.51	-0.16
20196	Upland-CECET	54.51	178.53	-0.16
20197	Upland-CECET	54.94	178.54	-0.16
20198	Upland-CECET	55.58	178.56	0.79
20199	Upland-CECET	55.74	178.58	0.79
20200	Upland-CECET	55.58	178.59	0.79
20201	Upland-CECET	56.46	178.61	0.79
20202	Upland-CECET	57.18	178.62	0.79

Page 258 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
20047	Upland-CECET	60.16	175.97	0.43
20048	Upland-CECET	60.04	175.99	0.43
20049	Upland-CECET	59.29	176.00	0.43
20050	Upland-CECET	58.66	176.02	0.43
20051	Upland-CECET	58.46	176.04	0.43
20052	Upland-CECET	59.09	176.05	0.36
20053	Upland-CECET	59.82	176.07	0.36
20054	Upland-CECET	60.41	176.09	0.36
20055	Upland-CECET	61.11	176.10	0.36
20056	Upland-CECET	61.61	176.12	0.36
20057	Upland-CECET	62.34	176.14	0.36
20058	Upland-CECET	62.80	176.15	0.08
20059	Upland-CECET	63.49	176.17	0.08
20060	Upland-CECET	64.43	176.19	0.08
20061	Upland-CECET	65.08	176.21	0.08
20062	Upland-CECET	65.61	176.22	0.08
20063	Upland-CECET	65.38	176.24	0.08
20064	Upland-CECET	64.46	176.26	0.25
20065	Upland-CECET	63.75	176.28	0.25
20066	Upland-CECET	63.95	176.30	0.25
20067	Upland-CECET	64.29	176.31	0.25
20068	Upland-CECET	64.85	176.33	0.25
20069	Upland-CECET	64.84	176.35	0.25
20070	Upland-CECET	64.00	176.37	2.07
20071	Upland-CECET	63.34	176.38	2.07
20072	Upland-CECET	63.56	176.40	2.07
20073	Upland-CECET	64.22	176.42	2.07
20074	Upland-CECET	64.82	176.44	2.07
20075	Upland-CECET	64.93	176.45	1.01
20076	Upland-CECET	64.90	176.47	1.01
20077	Upland-CECET	64.80	176.49	1.01
20078	Upland-CECET	64.95	176.51	1.01
20079	Upland-CECET	64.99	176.53	1.01
20080	Upland-CECET	65.30	176.54	1.01
20081	Upland-CECET	65.50	176.56	-0.89
20082	Upland-CECET	65.69	176.58	-0.89
20083	Upland-CECET	65.97	176.60	-0.89
20084	Upland-CECET	66.36	176.62	-0.89
20085	Upland-CECET	66.80	176.63	-0.89
20086	Upland-CECET	67.29	176.65	-1.37
20087	Upland-CECET	67.66	176.67	-1.37
20088	Upland-CECET	67.98	176.69	-1.37
20089	Upland-CECET	68.06	176.71	-1.37
20090	Upland-CECET	68.29	176.73	-1.37
20091	Upland-CECET	68.63	176.75	-1.37
20092	Upland-CECET	68.27	176.77	-0.19
20093	Upland-CECET	67.51	176.78	-0.19
20094	Upland-CECET	66.76	176.80	-0.19
20095	Upland-CECET	65.93	176.82	-0.19
20096	Upland-CECET	64.52	176.84	-0.19
20097	Upland-CECET	63.03	176.86	-0.06
20098	Upland-CECET	62.23	176.87	-0.06
20099	Upland-CECET	61.46	176.89	-0.06
20100	Upland-CECET	60.74	176.91	-0.06

Page 261 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
20281	Upland-CECET	5.38	179.90	-0.50
20282	Upland-CECET	2.60	179.91	-0.50
20283	Upland-CECET	1.24	179.91	-0.50
20284	Upland-CECET	2.08	179.91	-0.50
20285	Upland-CECET	3.55	179.91	-0.50
20286	Upland-CECET	5.01	179.91	-0.50
20287	Upland-CECET	5.91	179.91	-0.50
20288	Upland-CECET	7.54	179.91	-0.50
20289	Upland-CECET	8.11	179.91	-0.50
20290	Upland-CECET	7.49	179.92	-0.50
20291	Upland-CECET	6.58	179.92	-0.50
20292	Upland-CECET	6.38	179.92	-0.50
20293	Upland-CECET	6.79	179.92	-0.50
20294	Upland-CECET	9.27	179.92	-0.50
20295	Upland-CECET	11.55	179.93	-0.50
20296	Upland-CECET	11.79	179.93	-0.50
20297	Upland-CECET	11.82	179.93	-0.50
20298	Upland-CECET	11.30	179.94	-0.50
20299	Upland-CECET	10.27	179.94	-0.50
20300	Upland-CECET	10.25	179.94	-0.50
20301	Upland-CECET	9.59	179.95	-0.50
20302	Upland-CECET	9.09	179.95	-0.50
20303	Upland-CECET	8.18	179.95	-0.81
20304	Upland-CECET	8.03	179.95	-0.81
20305	Upland-CECET	7.95	179.96	-0.81
20306	Upland-CECET	7.89	179.96	-0.81
20307	Upland-CECET	7.80	179.96	-0.81
20308	Upland-CECET	7.73	179.96	-0.81
20309	Upland-CECET	7.66	179.96	-0.81
20310	Upland-CECET	7.62	179.97	-0.81
20311	Upland-CECET	7.55	179.97	-0.81
20312	Upland-CECET	7.50	179.97	-0.81
20313	Upland-CECET	7.46	179.97	-0.81
20314	Upland-CECET	7.40	179.97	-0.81
20315	Upland-CECET	7.56	179.98	-0.81
20316	Upland-CECET	8.20	179.98	-0.81
20317	Upland-CECET	8.41	179.98	-0.81
20318	Upland-CECET	8.30	179.98	-0.81
20319	Upland-CECET	8.15	179.99	-0.81
20320	Upland-CECET	7.75	179.99	-0.81
20321	Upland-CECET	6.38	179.99	-0.81
20322	Upland-CECET	4.76	179.99	-0.81
20323	Upland-CECET	3.74	179.99	-0.81
20324	Upland-CECET	3.27	179.99	-0.81
20325	Upland-CECET	2.51	179.99	-0.81
20326	Upland-CECET	1.50	179.99	-0.81
20327	Upland-CECET	0.35	179.99	-0.81
20328	Upland-CECET	0.14	179.99	-0.81
20329	Upland-CECET	1.38	179.99	-0.81
20330	Upland-CECET	1.30	179.99	-0.81
20331	Upland-CECET	0.33	179.99	-0.81
20332	Upland-CECET	0.00	179.99	-0.81
20333	Upland-CECET	0.00	179.99	-0.81
20334	Upland-CECET	0.00	179.99	-0.81
20335	Upland-CECET	0.00	179.99	-0.81
20336	Upland-CECET	0.00	179.99	-0.81
20337	Upland-CECET	0.00	179.99	-0.81
20338	Upland-CECET	0.00	179.99	-0.81
20339	Upland-CECET	0.00	179.99	-0.81
20340	Upland-CECET	0.00	179.99	-0.81
20341	Upland-CECET	0.00	179.99	-0.81
20342	Upland-CECET	0.00	179.99	-0.81
20343	Upland-CECET	0.00	179.99	-0.81
20344	Upland-CECET	0.00	179.99	-0.81
20345	Upland-CECET	0.00	179.99	-0.81
20346	Upland-CECET	0.90	179.99	-0.81
20347	Upland-CECET	0.98	179.99	-0.81
20348	Upland-CECET	0.81	180.00	-0.81
20349	Upland-CECET	0.00	180.00	-0.81
20350	Upland-CECET	0.00	180.00	-0.81
20351	Upland-CECET	0.00	180.00	-0.81
20352	Upland-CECET	0.00	180.00	-0.81
20353	Upland-CECET	0.00	180.00	-0.81
20354	Upland-CECET	0.00	180.00	-0.81
20355	Upland-CECET	0.00	180.00	-0.81
20356	Upland-CECET	0.00	180.00	-0.81
20357	Upland-CECET	0.00	180.00	-0.81
20358	Upland-CECET	0.00	180.00	-0.81

Page 263 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
20437	Upland-CECET	51.00	180.42	3.74
20438	Upland-CECET	47.05	180.44	3.74
20439	Upland-CECET	43.27	180.45	3.74
20440	Upland-CECET	40.68	180.46	-6.75
20441	Upland-CECET	38.40	180.47	-6.75
20442	Upland-CECET	36.56	180.48	-6.75
20443	Upland-CECET	35.55	180.49	-6.75
20444	Upland-CECET	36.08	180.50	-6.75
20445	Upland-CECET	37.51	180.51	-6.75
20446	Upland-CECET	39.82	180.52	-6.75
20447	Upland-CECET	42.21	180.53	-6.75
20448	Upland-CECET	44.64	180.55	-6.75
20449	Upland-CECET	46.59	180.56	-1.44
20450	Upland-CECET	46.22	180.57	-1.44
20451	Upland-CECET	45.00	180.58	-1.44
20452	Upland-CECET	42.80	180.59	-1.44
20453	Upland-CECET	40.41	180.61	-1.44
20454	Upland-CECET	37.95	180.62	-1.44
20455	Upland-CECET	36.25	180.63	-1.44
20456	Upland-CECET	36.42	180.64	-1.44
20457	Upland-CECET	36.81	180.65	-1.44
20458	Upland-CECET	36.44	180.66	-1.57
20459	Upland-CECET	37.27	180.67	-1.57
20460	Upland-CECET	38.73	180.68	-1.57
20461	Upland-CECET	39.73	180.69	-1.57
20462	Upland-CECET	39.25	180.70	-1.57
20463	Upland-CECET	38.06	180.71	-1.57
20464	Upland-CECET	37.22	180.72	-1.57
20465	Upland-CECET	36.82	180.73	-1.57
20466	Upland-CECET	37.65	180.74	-1.57
20467	Upland-CECET	38.47	180.75	-1.55
20468	Upland-CECET	38.16	180.76	-1.55
20469	Upland-CECET	37.75	180.77	-1.55
20470	Upland-CECET	37.45	180.78	-1.55
20471	Upland-CECET	37.00	180.79	-1.55
20472	Upland-CECET	36.59	180.80	-1.55
20473	Upland-CECET	35.56	180.81	-1.55
20474	Upland-CECET	34.29	180.82	-1.55
20475	Upland-CECET	33.66	180.83	-1.55
20476	Upland-CECET	33.13	180.84	-1.55
20477	Upland-CECET	32.71	180.85	-1.55
20478	Upland-CECET	32.13	180.86	-1.26
20479	Upland-CECET	30.94	180.87	-1.26
20480	Upland-CECET	29.18	180.87	-1.26
20481	Upland-CECET	27.52	180.88	-1.26
20482	Upland-CECET	25.47	180.89	-1.26
20483	Upland-CECET	23.51	180.90	-1.26
20484	Upland-CECET	21.50	180.90	-1.26
20485	Upland-CECET	19.40	180.91	-1.26
20486	Upland-CECET	17.11	180.91	-1.26
20487	Upland-CECET	14.50	180.92	-1.26
20488	Upland-CECET	12.61	180.92	-1.26
20489	Upland-CECET	11.44	180.92	-1.26
20490	Upland-CECET	10.89	180.92	-1.26
20491	Upland-CECET	9.59	180.93	-1.26
20492	Upland-CECET	7.70	180.93	-1.26
20493	Upland-CECET	5.83	180.93	-1.26
20494	Upland-CECET	4.61	180.93	-1.26
20495	Upland-CECET	3.67	180.93	-1.26
20496	Upland-CECET	2.90	180.93	-1.26
20497	Upland-CECET	2.15	180.93	-1.26
20498	Upland-CECET	1.56	180.94	-1.26
20499	Upland-CECET	0.96	180.94	-1.26
20500	Upland-CECET	0.00	180.94	-1.26
20501	Upland-CECET	0.00	180.94	-1.26
20502	Upland-CECET	0.00	180.94	-1.26
20503	Upland-CECET	0.78	180.94	-1.26
20504	Upland-CECET	0.14	180.94	-1.26
20505	Upland-CECET	0.00	180.94	-1.26
20506	Upland-CECET	0.00	180.94	-1.26
20507	Upland-CECET	0.51	180.94	-1.26
20508	Upland-CECET	1.16	180.94	-1.26
20509	Upland-CECET	0.70	180.94	-1.26
20510	Upland-CECET	0.00	180.94	-1.26
20511	Upland-CECET	0.00	180.94	-1.26
20512	Upland-CECET	0.76	180.94	-1.26
20513	Upland-CECET	0.00	180.94	-1.26
20514	Upland-CECET	0.96	180.94	-1.26

Page 262 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
20359	Upland-CECET	0.00	180.00	-0.81
20360	Upland-CECET	0.00	180.00	-0.81
20361	Upland-CECET	0.00	180.00	-0.81
20362	Upland-CECET	0.00	180.00	-0.81
20363	Upland-CECET	0.00	180.00	-0.81
20364	Upland-CECET	0.00	180.00	-0.81
20365	Upland-CECET	0.14	180.00	-0.81
20366	Upland-CECET	1.23	180.00	-0.81
20367	Upland-CECET	1.52	180.00	-0.81
20368	Upland-CECET	2.48	180.00	-0.81
20369	Upland-CECET	4.81	180.00	-0.81
20370	Upland-CECET	7.36	180.00	-0.81
20371	Upland-CECET	7.79	180.00	-0.81
20372	Upland-CECET	8.07	180.00	-0.81
20373	Upland-CECET	8.50	180.01	-0.81
20374	Upland-CECET	8.08	180.01	-0.81
20375	Upland-CECET	8.82	180.01	-0.81
20376	Upland-CECET	10.06	180.01	-0.81
20377	Upland-CECET	11.67	180.02	-0.81
20378	Upland-CECET	12.87	180.02	-0.81
20379	Upland-CECET	13.86	180.02	-0.81
20380	Upland-CECET	13.59	180.03	-0.81
20381	Upland-CECET	12.69	180.03	-0.81
20382	Upland-CECET	12.25	180.04	-0.81
20383	Upland-CECET	13.55	180.04	-0.81
20384	Upland-CECET	15.28	180.04	-0.81
20385	Upland-CECET	17.43	180.05	-0.81
20386	Upland-CECET	19.53	180.05	-1.03
20387	Upland-CECET	20.11	180.06	-1.03
20388	Upland-CECET	18.90	180.06	-1.03
20389	Upland-CECET	17.58	180.07	-1.03
20390	Upland-CECET	15.98	180.07	-1.03
20391	Upland-CECET	14.61	180.08	-1.03
20392	Upland-CECET	14.09	180.08	-1.03
20393	Upland-CECET	14.37	180.09	-1.03
20394	Upland-CECET	14.53	180.09	-1.03
20395	Upland-CECET	14.81	180.09	-1.03
20396	Upland-CECET	14.36	180.10	-1.03
20397	Upland-CECET	13.68	180.10	-1.03
20398	Upland-CECET	13.45	180.10	-1.03
20399	Upland-CECET	13.36	180.11	-1.03
20400	Upland-CECET	13.27	180.11	-1.03
20401	Upland-CECET	12.90	180.12	-1.03
20402	Upland-CECET	11.57	180.12	-1.03
20403	Upland-CECET	9.02	180.12	-1.03
20404	Upland-CECET	7.17	180.12	-1.03
20405	Upland-CECET	7.06	180.12	-1.03
20406	Upland-CECET	8.70	180.13	-1.03
20407	Upland-CECET	11.28	180.13	-1.03
20408	Upland-CECET	13.13	180.13	-1.03
20409	Upland-CECET	13.25	180.14	-1.03
20410	Upland-CECET	11.71	180.14	-1.03
20411	Upland-CECET	9.15	180.14	-1.03
20412	Upland-CECET	7.95	180.15	-1.03
20413	Upland-CECET	11.24	180.15	-1.03
20414	Upland-CECET	15.12	180.15	1.93

Page 265 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
20593	Upland-CECET	6.26	181.52	-1.03
20594	Upland-CECET	7.58	181.52	-1.03
20595	Upland-CECET	10.76	181.53	-1.03
20596	Upland-CECET	11.17	181.53	-1.03
20597	Upland-CECET	12.53	181.53	-1.03
20598	Upland-CECET	15.92	181.54	-1.03
20599	Upland-CECET	19.84	181.54	-1.03
20600	Upland-CECET	23.75	181.55	-1.03
20601	Upland-CECET	27.09	181.56	-1.00
20602	Upland-CECET	29.98	181.56	-1.00
20603	Upland-CECET	32.42	181.57	-1.00
20604	Upland-CECET	33.96	181.58	-1.00
20605	Upland-CECET	35.51	181.59	-1.00
20606	Upland-CECET	36.77	181.60	-1.00
20607	Upland-CECET	38.42	181.61	-1.00
20608	Upland-CECET	40.50	181.62	-1.00
20609	Upland-CECET	43.12	181.64	-1.00
20610	Upland-CECET	45.60	181.65	-1.00
20611	Upland-CECET	47.42	181.66	-0.77
20612	Upland-CECET	48.55	181.68	-0.77
20613	Upland-CECET	49.50	181.69	-0.77
20614	Upland-CECET	49.34	181.70	-0.77
20615	Upland-CECET	48.68	181.72	-0.77
20616	Upland-CECET	48.22	181.73	-0.77
20617	Upland-CECET	47.75	181.74	-0.77
20618	Upland-CECET	46.88	181.75	-0.78
20619	Upland-CECET	45.06	181.77	-0.78
20620	Upland-CECET	42.72	181.78	-0.78
20621	Upland-CECET	39.77	181.79	-0.78
20622	Upland-CECET	36.54	181.80	-0.78
20623	Upland-CECET	33.38	181.81	-0.78
20624	Upland-CECET	30.33	181.82	-0.78
20625	Upland-CECET	28.31	181.83	-0.78
20626	Upland-CECET	26.48	181.83	-0.78
20627	Upland-CECET	24.63	181.84	-0.78
20628	Upland-CECET	22.83	181.85	-0.78
20629	Upland-CECET	21.26	181.85	-1.12
20630	Upland-CECET	19.74	181.86	-1.12
20631	Upland-CECET	18.24	181.86	-1.12
20632	Upland-CECET	16.88	181.87	-1.12
20633	Upland-CECET	15.64	181.87	-1.12
20634	Upland-CECET	14.13	181.87	-1.12
20635	Upland-CECET	12.79	181.88	-1.12
20636	Upland-CECET	11.45	181.88	-1.12
20637	Upland-CECET	9.87	181.88	-1.12
20638	Upland-CECET	8.33	181.89	-1.12
20639	Upland-CECET	7.15	181.89	-1.12
20640	Upland-CECET	6.14	181.89	-1.12
20641	Upland-CECET	5.64	181.89	-1.12
20642	Upland-CECET	5.21	181.89	-1.12
20643	Upland-CECET	4.72	181.89	-1.12
20644	Upland-CECET	4.28	181.90	-1.12
20645	Upland-CECET	3.81	181.90	-1.12
20646	Upland-CECET	3.29	181.90	-1.12
20647	Upland-CECET	2.73	181.90	-1.12
20648	Upland-CECET	2.21	181.90	-1.12
20649	Upland-CECET	1.66	181.90	-1.12
20650	Upland-CECET	1.09	181.90	-1.12
20651	Upland-CECET	0.14	181.90	-1.12
20652	Upland-CECET	0.00	181.90	-1.12
20653	Upland-CECET	1.65	181.90	-1.12
20654	Upland-CECET	3.04	181.90	-1.12
20655	Upland-CECET	3.18	181.90	-1.12
20656	Upland-CECET	3.06	181.90	-1.12
20657	Upland-CECET	2.93	181.90	-1.12
20658	Upland-CECET	2.83	181.90	-1.12
20659	Upland-CECET	2.66	181.91	-1.12
20660	Upland-CECET	2.43	181.91	-1.12
20661	Upland-CECET	2.01	181.91	-1.12
20662	Upland-CECET	1.35	181.91	-1.12
20663	Upland-CECET	0.49	181.91	-1.12
20664	Upland-CECET	0.00	181.91	-1.12
20665	Upland-CECET	0.00	181.91	-1.12
20666	Upland-CECET	0.44	181.91	-1.12
20667	Upland-CECET	2.12	181.91	-1.12
20668	Upland-CECET	4.52	181.91	-1.12
20669	Upland-CECET	7.12	181.91	-1.12
20670	Upland-CECET	8.87	181.91	-1.12

Page 267 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
20749	Upland-CECET	7.98	182.21	-4.41
20750	Upland-CECET	8.81	182.21	-4.41
20751	Upland-CECET	8.51	182.21	-4.41
20752	Upland-CECET	8.16	182.22	-4.41
20753	Upland-CECET	7.78	182.22	-4.41
20754	Upland-CECET	7.15	182.22	-4.41
20755	Upland-CECET	5.22	182.22	-4.41
20756	Upland-CECET	3.82	182.22	-4.41
20757	Upland-CECET	2.31	182.22	-4.41
20758	Upland-CECET	3.10	182.22	-4.41
20759	Upland-CECET	4.97	182.23	-4.41
20760	Upland-CECET	6.47	182.23	-4.41
20761	Upland-CECET	6.02	182.23	-4.41
20762	Upland-CECET	3.65	182.23	-4.41
20763	Upland-CECET	1.42	182.23	-4.41
20764	Upland-CECET	3.47	182.23	-4.41
20765	Upland-CECET	8.15	182.23	-4.41
20766	Upland-CECET	12.74	182.24	-4.41
20767	Upland-CECET	16.68	182.24	-4.41
20768	Upland-CECET	20.93	182.25	-4.41
20769	Upland-CECET	24.63	182.25	-0.68
20770	Upland-CECET	26.99	182.26	-0.68
20771	Upland-CECET	26.54	182.27	-0.68
20772	Upland-CECET	25.62	182.28	-0.68
20773	Upland-CECET	23.15	182.28	-0.68
20774	Upland-CECET	21.30	182.29	-0.68
20775	Upland-CECET	20.86	182.29	-0.68
20776	Upland-CECET	19.11	182.30	-0.68
20777	Upland-CECET	17.26	182.30	-0.68
20778	Upland-CECET	14.98	182.31	-0.68
20779	Upland-CECET	12.52	182.31	-0.68
20780	Upland-CECET	9.94	182.31	-0.68
20781	Upland-CECET	6.16	182.32	-0.68
20782	Upland-CECET	3.18	182.32	-0.68
20783	Upland-CECET	0.72	182.32	-0.68
20784	Upland-CECET	0.00	182.32	-0.68
20785	Upland-CECET	0.00	182.32	-0.68
20786	Upland-CECET	0.00	182.32	-0.68
20787	Upland-CECET	0.00	182.32	-0.68
20788	Upland-CECET	0.00	182.32	-0.68
20789	Upland-CECET	0.00	182.32	-0.68
20790	Upland-CECET	0.00	182.32	-0.68
20791	Upland-CECET	0.00	182.32	-0.68
20792	Upland-CECET	0.00	182.32	-0.68
20793	Upland-CECET	0.00	182.32	-0.68
20794	Upland-CECET	0.00	182.32	-0.68
20795	Upland-CECET	0.00	182.32	-0.68
20796	Upland-CECET	0.00	182.32	-0.68
20797	Upland-CECET	0.00	182.32	-0.68
20798	Upland-CECET	0.00	182.32	-0.68
20799	Upland-CECET	0.00	182.32	-0.68
20800	Upland-CECET	0.00	182.32	-0.68
20801	Upland-CECET	0.00	182.32	-0.68
20802	Upland-CECET	0.00	182.32	-0.68
20803	Upland-CECET	0.00	182.32	-0.68
20804	Upland-CECET	0.00	182.32	-0.68
20805	Upland-CECET	0.00	182.32	-0.68
20806	Upland-CECET	0.00	182.32	-0.68
20807	Upland-CECET	0.00	182.32	-0.68
20808	Upland-CECET	0.00	182.32	-0.68
20809	Upland-CECET	0.00	182.32	-0.68
20810	Upland-CECET	0.00	182.32	-0.68
20811	Upland-CECET	0.00	182.32	-0.68
20812	Upland-CECET	0.00	182.32	-0.68
20813	Upland-CECET	0.58	182.32	-0.68
20814	Upland-CECET	2.23	182.32	-0.68
20815	Upland-CECET	4.86	182.32	-0.68
20816	Upland-CECET	7.86	182.32	-0.68
20817	Upland-CECET	10.42	182.32	-0.68
20818	Upland-CECET	9.36	182.33	-0.68
20819	Upland-CECET	7.48	182.33	-0.68
20820	Upland-CECET	5.52	182.33	-0.68
20821	Upland-CECET	3.72	182.33	-0.68
20822	Upland-CECET	0.57	182.33	-0.68
20823	Upland-CECET	2.87	182.33	-0.68
20824	Upland-CECET	6.78	182.33	-0.68
20825	Upland-CECET	8.49	182.34	-0.68
20826	Upland-CECET	8.99	182.34	-0.68

Page 266 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
20671	Upland-CECET	12.25	181.92	-1.12
20672	Upland-CECET	15.49	181.92	-1.12
20673	Upland-CECET	18.88	181.93	-1.12
20674	Upland-CECET	21.70	181.93	-1.12
20675	Upland-CECET	24.39	181.94	-1.12
20676	Upland-CECET	25.73	181.95	-1.12
20677	Upland-CECET	26.50	181.95	-1.96
20678	Upland-CECET	27.82	181.96	-1.96
20679	Upland-CECET	29.84	181.97	-1.96
20680	Upland-CECET	31.87	181.98	-1.96
20681	Upland-CECET	32.90	181.99	-1.96
20682	Upland-CECET	32.95	182.00	-1.96
20683	Upland-CECET	34.05	182.01	-1.96
20684	Upland-CECET	35.40	182.01	-1.96
20685	Upland-CECET	35.38	182.02	-1.96
20686	Upland-CECET	35.47	182.03	-1.96
20687	Upland-CECET	35.58	182.04	-1.96
20688	Upland-CECET	35.91	182.05	-4.88
20689	Upland-CECET	35.61	182.06	-4.88
20690	Upland-CECET	35.39	182.07	-4.88
20691	Upland-CECET	35.35	182.08	-4.88
20692	Upland-CECET	34.95	182.09	-4.88
20693	Upland-CECET	34.52	182.10	-4.88
20694	Upland-CECET	34.02	182.11	-4.88
20695	Upland-CECET	33.55	182.12	-4.88
20696	Upland-CECET	33.03	182.13	-4.88
20697	Upland-CECET	32.44	182.14	-4.88
20698	Upland-CECET	31.88	182.15	-4.88
20699	Upland-CECET	31.25	182.16	-4.41
20700	Upland-CECET	30.15	182.16	-4.41
20701	Upland-CECET	28.27	182.17	-4.41
20702	Upland-CECET	26.48	182.18	-4.41
20703	Upland-CECET	24.10	182.19	-4.41
20704	Upland-CECET	19.87	182.19	-4.41
20705	Upland-CECET	15.05	182.20	-4.41
20706	Upland-CECET	9.86	182.20	-4.41
20707	Upland-CECET	5.00	182.20	-4.41
20708	Upland-CECET	1.56	182.20	-4.41
20709	Upland-CECET	0.00	182.20	-4.41
20710	Upland-CECET	0.00	182.20	-4.41
20711	Upland-CECET	0.00	182.20	-4.41
20712	Upland-CECET	0.00	182.20	-4.41
20713	Upland-CECET	0.00	182.20	-4.41
20714	Upland-CECET	0.00	182.20	-4.41
20715	Upland-CECET	0.00	182.20	-4.41
20716	Upland-CECET	0.00	182.20	-4.41
20717	Upland-CECET	0.00	182.20	-4.41
20718	Upland-CECET	1.83	182.20	-4.41
20719	Upland-CECET	3.63	182.20	-4.41
20720	Upland-CECET	3.69	182.20	-4.41
20721	Upland-CECET	2.97	182.20	-4.41
20722	Upland-CECET	2.19	182.20	-4.41
20723	Upland-CECET	1.37	182.20	-4.41
20724	Upland-CECET	0.33	182.20	-4.41
20725	Upland-CECET	0.00	182.20	-4.41
20726	Upland-CECET	0.00	182.20	-4.41
20727	Upland-CECET	0.00	182.20	-4.41
20728	Upland-CECET	0.00	182.20	-4.41
20729	Upland-CECET	0.00	182.20	-4.41
20730	Upland-CECET	0.00	182.20	-4.41
20731	Upland-CECET	0.00	182.20	-4.41
20732	Upland-CECET	0.00	182.20	-4.41
20733	Upland-CECET	0.00	182.20	-4.41
20734	Upland-CECET	0.00	182.20	-4.41
20735	Upland-CECET	0.00	182.20	-4.41
20736	Upland-CECET	0.00	182.20	-4.41
20737	Upland-CECET	0.00	182.20	-4.41
20738	Upland-CECET	0.00	182.20	-4.41
20739	Upland-CECET	0.00	182.20	-4.41
20740	Upland-CECET	0.00	182.20	-4.41
20741	Upland-CECET	0.00	182.20	-4.41
20742	Upland-CECET	0.00	182.20	-4.41
20743	Upland-CECET	0.00	182.20	-4.41
20744	Upland-CECET	0.00	182.20	-4.41
20745	Upland-CECET	0.00	182.20	-4.41
20746	Upland-CECET	0.00	182.20	-4.41
20747	Upland-CECET	1.4	182.21	-4.41
20748	Upland-CECET	4.29	182.21	-4.41

Page 269 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
20905	Upland-CECET	0.00	182.38	-1.11
20906	Upland-CECET	0.00	182.38	-1.11
20907	Upland-CECET	0.00	182.38	-1.11
20908	Upland-CECET	0.00	182.38	-1.11
20909	Upland-CECET	0.00	182.38	-1.11
20910	Upland-CECET	0.00	182.38	-1.11
20911	Upland-CECET	0.00	182.38	-1.11
20912	Upland-CECET	0.00	182.38	-1.11
20913	Upland-CECET	0.00	182.38	-1.11
20914	Upland-CECET	0.00	182.38	-1.11
20915	Upland-CECET	0.00	182.38	-1.11
20916	Upland-CECET	0.00	182.38	-1.11
20917	Upland-CECET	0.00	182.38	-1.11
20918	Upland-CECET	0.00	182.38	-1.11
20919	Upland-CECET	0.00	182.38	-1.11
20920	Upland-CECET	0.00	182.38	-1.11
20921	Upland-CECET	0.00	182.38	-1.11
20922	Upland-CECET	0.00	182.38	-1.11
20923	Upland-CECET	0.00	182.38	-1.11
20924	Upland-CECET	0.00	182.38	-1.11
20925	Upland-CECET	0.00	182.38	-1.11
20926	Upland-CECET	0.00	182.38	-1.11
20927	Upland-CECET	0.00	182.38	-1.11
20928	Upland-CECET	0.00	182.38	-1.11
20929	Upland-CECET	0.00	182.38	-1.11
20930	Upland-CECET	0.00	182.38	-1.11
20931	Upland-CECET	0.00	182.38	-1.11
20932	Upland-CECET	0.00	182.38	-1.11
20933	Upland-CECET	0.00	182.38	-1.11
20934	Upland-CECET	0.00	182.38	-1.11
20935	Upland-CECET	0.00	182.38	-1.11
20936	Upland-CECET	0.00	182.38	-1.11
20937	Upland-CECET	0.00	182.38	-1.11
20938	Upland-CECET	0.00	182.38	-1.11
20939	Upland-CECET	0.00	182.38	-1.11
20940	Upland-CECET	0.00	182.38	-1.11
20941	Upland-CECET	0.00	182.38	-1.11
20942	Upland-CECET	0.00	182.38	-1.11
20943	Upland-CECET	0.00	182.38	-1.11
20944	Upland-CECET	0.00	182.38	-1.11
20945	Upland-CECET	0.00	182.38	-1.11
20946	Upland-CECET	0.00	182.38	-1.11
20947	Upland-CECET	0.00	182.38	-1.11
20948	Upland-CECET	0.00	182.38	-1.11
20949	Upland-CECET	0.00	182.38	-1.11
20950	Upland-CECET	0.14	182.38	-1.11
20951	Upland-CECET	1.57	182.38	-1.11
20952	Upland-CECET	4.10	182.38	-1.11
20953	Upland-CECET	6.37	182.38	-1.11
20954	Upland-CECET	8.17	182.39	-1.11
20955	Upland-CECET	9.80	182.39	-1.11
20956	Upland-CECET	10.61	182.39	-1.11
20957	Upland-CECET	10.89	182.40	-1.11
20958	Upland-CECET	10.16	182.40	-1.11
20959	Upland-CECET	9.63	182.40	-1.11
20960	Upland-CECET	11.45	182.40	-1.11
20961	Upland-CECET	14.28	182.41	-1.11
20962	Upland-CECET	15.55	182.41	-1.11
20963	Upland-CECET	15.80	182.42	-1.11
20964	Upland-CECET	15.13	182.42	-1.11
20965	Upland-CECET	12.95	182.42	-1.11
20966	Upland-CECET	9.61	182.43	-1.11
20967	Upland-CECET	5.16	182.43	-1.11
20968	Upland-CECET	4.65	182.43	-1.11
20969	Upland-CECET	7.39	182.43	-1.11
20970	Upland-CECET	10.72	182.43	-1.11
20971	Upland-CECET	15.58	182.44	-1.11
20972	Upland-CECET	20.74	182.44	-1.11
20973	Upland-CECET	26.42	182.45	-1.81
20974	Upland-CECET	31.44	182.46	-1.81
20975	Upland-CECET	35.32	182.47	-1.81
20976	Upland-CECET	39.36	182.48	-1.81
20977	Upland-CECET	42.84	182.49	-1.81
20978	Upland-CECET	45.08	182.51	-1.81
20979	Upland-CECET	45.98	182.52	-1.81
20980	Upland-CECET	48.65	182.53	-1.81
20981	Upland-CECET	51.50	182.55	-1.81
20982	Upland-CECET	51.85	182.56	-2.81

Page 271 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
21061	Upland-CECET	61.49	183.76	-0.50
21062	Upland-CECET	60.77	183.77	-0.50
21063	Upland-CECET	60.57	183.79	-0.50
21064	Upland-CECET	60.51	183.81	-0.50
21065	Upland-CECET	60.49	183.82	-0.50
21066	Upland-CECET	59.84	183.84	-0.50
21067	Upland-CECET	59.20	183.86	-0.40
21068	Upland-CECET	58.95	183.87	-0.40
21069	Upland-CECET	58.13	183.89	-0.40
21070	Upland-CECET	57.36	183.90	-0.40
21071	Upland-CECET	56.68	183.92	-0.40
21072	Upland-CECET	56.24	183.94	-0.40
21073	Upland-CECET	56.59	183.95	-0.65
21074	Upland-CECET	56.53	183.97	-0.65
21075	Upland-CECET	55.68	183.98	-0.65
21076	Upland-CECET	55.02	184.00	-0.65
21077	Upland-CECET	54.57	184.01	-0.65
21078	Upland-CECET	54.73	184.03	-0.65
21079	Upland-CECET	54.30	184.04	-0.65
21080	Upland-CECET	54.09	184.06	-0.55
21081	Upland-CECET	54.45	184.07	-0.55
21082	Upland-CECET	54.79	184.09	-0.55
21083	Upland-CECET	55.17	184.10	-0.55
21084	Upland-CECET	55.53	184.12	-0.55
21085	Upland-CECET	55.88	184.13	-0.55
21086	Upland-CECET	56.16	184.15	-0.55
21087	Upland-CECET	56.45	184.16	-0.35
21088	Upland-CECET	56.86	184.18	-0.35
21089	Upland-CECET	57.32	184.20	-0.35
21090	Upland-CECET	56.93	184.21	-0.35
21091	Upland-CECET	56.86	184.23	-0.35
21092	Upland-CECET	57.20	184.24	-0.35
21093	Upland-CECET	56.62	184.26	-0.47
21094	Upland-CECET	55.60	184.27	-0.47
21095	Upland-CECET	52.84	184.29	-0.47
21096	Upland-CECET	49.09	184.30	-0.47
21097	Upland-CECET	44.94	184.31	-0.47
21098	Upland-CECET	41.46	184.33	-0.47
21099	Upland-CECET	38.20	184.34	-0.47
21100	Upland-CECET	35.44	184.35	-0.47
21101	Upland-CECET	32.99	184.35	-0.53
21102	Upland-CECET	31.12	184.36	-0.53
21103	Upland-CECET	29.11	184.37	-0.53
21104	Upland-CECET	27.26	184.38	-0.53
21105	Upland-CECET	25.81	184.39	-0.53
21106	Upland-CECET	24.66	184.39	-0.53
21107	Upland-CECET	24.26	184.40	-0.53
21108	Upland-CECET	24.16	184.41	-0.53
21109	Upland-CECET	23.35	184.41	-0.53
21110	Upland-CECET	22.10	184.42	-0.53
21111	Upland-CECET	20.13	184.42	-0.53
21112	Upland-CECET	18.05	184.43	-0.53
21113	Upland-CECET	15.75	184.43	-0.53
21114	Upland-CECET	12.99	184.44	-0.53
21115	Upland-CECET	10.32	184.44	-0.53
21116	Upland-CECET	7.54	184.44	-0.53
21117	Upland-CECET	5.32	184.44	-0.53
21118	Upland-CECET	4.51	184.44	-0.53
21119	Upland-CECET	5.90	184.45	-0.53
21120	Upland-CECET	8.44	184.45	-0.53
21121	Upland-CECET	9.36	184.45	-0.27
21122	Upland-CECET	9.61	184.45	-0.27
21123	Upland-CECET	9.64	184.46	-0.27
21124	Upland-CECET	10.78	184.46	-0.27
21125	Upland-CECET	10.74	184.46	-0.27
21126	Upland-CECET	11.39	184.47	-0.27
21127	Upland-CECET	12.44	184.47	-0.27
21128	Upland-CECET	13.56	184.47	-0.27
21129	Upland-CECET	13.58	184.48	-0.27
21130	Upland-CECET	13.44	184.48	-0.27
21131	Upland-CECET	14.45	184.48	-0.27
21132	Upland-CECET	14.58	184.49	-0.27
21133	Upland-CECET	14.58	184.49	-0.27
21134	Upland-CECET	15.20	184.50	-0.27
21135	Upland-CECET	15.42	184.50	-0.27
21136	Upland-CECET	14.84	184.50	-0.27
21137	Upland-CECET	13.44	184.51	-0.27
21138	Upland-CECET	11.27	184.51	-0.27

Page 270 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
20983	Upland-CECET	51.51	182.57	-2.81
20984	Upland-CECET	52.29	182.59	-2.81
20985	Upland-CECET	53.37	182.60	-2.81
20986	Upland-CECET	52.36	182.62	-2.81
20987	Upland-CECET	53.11	182.63	-2.81
20988	Upland-CECET	53.16	182.65	-2.81
20989	Upland-CECET	52.59	182.66	-1.89
20990	Upland-CECET	51.97	182.68	-1.89
20991	Upland-CECET	51.44	182.69	-1.89
20992	Upland-CECET	50.86	182.70	-1.89
20993	Upland-CECET	50.06	182.72	-1.89
20994	Upland-CECET	48.46	182.73	-1.89
20995	Upland-CECET	45.90	182.74	-1.89
20996	Upland-CECET	42.94	182.76	-0.36
20997	Upland-CECET	39.91	182.77	-0.36
20998	Upland-CECET	36.81	182.78	-0.36
20999	Upland-CECET	33.74	182.79	-0.36
21000	Upland-CECET	30.59	182.79	-0.36
21001	Upland-CECET	28.02	182.80	-0.36
21002	Upland-CECET	26.55	182.81	-0.36
21003	Upland-CECET	25.27	182.82	-0.36
21004	Upland-CECET	24.66	182.82	-0.36
21005	Upland-CECET	25.30	182.83	-0.36
21006	Upland-CECET	27.33	182.84	-0.36
21007	Upland-CECET	31.45	182.85	-0.36
21008	Upland-CECET	36.70	182.86	-0.47
21009	Upland-CECET	41.52	182.87	-0.47
21010	Upland-CECET	45.68	182.88	-0.47
21011	Upland-CECET	48.74	182.89	-0.47
21012	Upland-CECET	51.56	182.91	-0.47
21013	Upland-CECET	54.18	182.92	-0.47
21014	Upland-CECET	56.63	182.94	-0.47
21015	Upland-CECET	58.54	182.95	0.05
21016	Upland-CECET	59.75	182.97	0.05
21017	Upland-CECET	60.67	182.99	0.05
21018	Upland-CECET	61.45	183.00	0.05
21019	Upland-CECET	62.25	183.02	0.05
21020	Upland-CECET	62.97	183.04	0.05
21021	Upland-CECET	63.97	183.06	2.47
21022	Upland-CECET	64.60	183.07	2.47
21023	Upland-CECET	63.84	183.09	2.47
21024	Upland-CECET	63.59	183.11	2.47
21025	Upland-CECET	63.65	183.13	2.47
21026	Upland-CECET	63.29	183.14	2.47
21027	Upland-CECET	63.45	183.16	0.00
21028	Upland-CECET	63.98	183.18	0.00
21029	Upland-CECET	64.22	183.20	0.00
21030	Upland-CECET	64.51	183.21	0.00
21031	Upland-CECET	64.79	183.23	0.00
21032	Upland-CECET	64.20	183.25	0.00
21033	Upland-CECET	63.58	183.27	-0.36
21034	Upland-CECET	63.38	183.28	-0.36
21035	Upland-CECET	63.17	183.30	-0.36
21036	Upland-CECET	62.55	183.32	-0.36
21037	Upland-CECET	62.00	183.34	-0.36
21038	Upland-CECET	61.81	183.35	-0.36
21039	Upland-CECET	61.63	183.37	-0.36
21040	Upland-CECET	61.45	183.39	-0.35
21041	Upland-CECET	61.91	183.40	-0.35
21042	Upland-CECET	62.60	183.41	-0.35
21043	Upland-CECET	63.83	183.44	-0.35
21044	Upland-CECET	64.35	183.46	-2.39
21045	Upland-CECET	64.87	183.47	-2.39
21046	Upland-CECET	64.37	183.49	-2.39
21047	Upland-CECET	64.23	183.51	-2.39
21048	Upland-CECET	65.82	183.53	-2.39
21049	Upland-CECET	64.57	183.55	-1.37
21050	Upland-CECET	64.98	183.56	-1.37
21051	Upland-CECET	64.59	183.58	-1.37
21052	Upland-CECET	65.42	183.60	-1.37
21053	Upland-CECET	65.75	183.62	-1.37
21054	Upland-CECET	66.03	183.64	-1.37
21055	Upland-CECET	66.22	183.65	-0.56
21056	Upland-CECET	66.59	183.67	-0.56
21057	Upland-CECET	66.19	183.68	-0.56
21058	Upland-CECET	65.31	183.71	-0.56
21059	Upland-CECET	62.79	183.72	-0.56
21060	Upland-CECET	62.24	183.74	-0.56

Page 273 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
21217	Upland-CECET	48.89	184.67	-0.13
21218	Upland-CECET	50.63	184.68	-0.13
21219	Upland-CECET	52.13	184.69	-0.13
21220	Upland-CECET	52.38	184.71	-0.13
21221	Upland-CECET	54.44	184.72	-0.13
21222	Upland-CECET	55.73	184.74	-0.13
21223	Upland-CECET	56.72	184.75	-0.07
21224	Upland-CECET	57.27	184.77	-0.07
21225	Upland-CECET	55.42	184.79	-0.07
21226	Upland-CECET	51.86	184.80	-0.07
21227	Upland-CECET	48.13	184.81	-0.07
21228	Upland-CECET	44.18	184.82	-0.07
21229	Upland-CECET	40.62	184.84	-0.07
21230	Upland-CECET	37.35	184.85	-0.07
21231	Upland-CECET	34.15	184.86	0.54
21232	Upland-CECET	30.70	184.86	0.54
21233	Upland-CECET	27.45	184.87	0.54
21234	Upland-CECET	24.33	184.88	0.54
21235	Upland-CECET	21.21	184.88	0.54
21236	Upland-CECET	18.25	184.89	0.54
21237	Upland-CECET	15.02	184.89	0.54
21238	Upland-CECET	12.00	184.90	0.54
21239	Upland-CECET	9.13	184.90	0.54
21240	Upland-CECET	6.18	184.90	0.54
21241	Upland-CECET	4.17	184.90	0.54
21242	Upland-CECET	2.72	184.90	0.54
21243	Upland-CECET	1.32	184.90	0.54
21244	Upland-CECET	0.84	184.90	0.54
21245	Upland-CECET	1.32	184.90	0.54
21246	Upland-CECET	1.24	184.90	0.54
21247	Upland-CECET	0.68	184.90	0.54
21248	Upland-CECET	0.00	184.90	0.54
21249	Upland-CECET	0.00	184.90	0.54
21250	Upland-CECET	0.00	184.90	0.54
21251	Upland-CECET	0.00	184.90	0.54
21252	Upland-CECET	0.00	184.90	0.54
21253	Upland-CECET	0.00	184.90	0.54
21254	Upland-CECET	0.00	184.90	0.54
21255	Upland-CECET	0.00	184.90	0.54
21256	Upland-CECET	0.00	184.90	0.54
21257	Upland-CECET	2.52	184.90	0.54
21258	Upland-CECET	7.46	184.91	0.54
21259	Upland-CECET	13.02	184.91	0.54
21260	Upland-CECET	17.36	184.92	0.54
21261	Upland-CECET	21.23	184.92	0.54
21262	Upland-CECET	25.52	184.93	0.54
21263	Upland-CECET	29.58	184.94	0.54
21264	Upland-CECET	33.26	184.95	0.54
21265	Upland-CECET	36.54	184.96	1.89
21266	Upland-CECET	39.42	184.97	1.89
21267	Upland-CECET	41.17	184.98	1.89
21268	Upland-CECET	42.90	184.99	1.89
21269	Upland-CECET	44.89	185.00	1.89
21270	Upland-CECET	46.25	185.01	1.89
21271	Upland-CECET	47.46	185.03	1.89
21272	Upland-CECET	48.33	185.04	1.89
21273	Upland-CECET	49.09	185.05	1.34
21274	Upland-CECET	49.33	185.07	1.34
21275	Upland-CECET	48.38	185.08	1.34
21276	Upland-CECET	46.47	185.09	1.34
21277	Upland-CECET	42.26	185.11	1.34
21278	Upland-CECET	36.69	185.12	1.34
21279	Upland-CECET	30.72	185.12	1.34
21280	Upland-CECET	25.99	185.13	1.34
21281	Upland-CECET	22.87	185.14	1.34
21282	Upland-CECET	20.09	185.14	1.34
21283	Upland-CECET	16.66	185.15	1.34
21284	Upland-CECET	14.74	185.15	3.67
21285	Upland-CECET	15.02	185.16	3.67
21286	Upland-CECET	17.51	185.16	3.67
21287	Upland-CECET	22.33	185.17	3.67
21288	Upland-CECET	27.65	185.17	3.67
21289	Upland-CECET	31.87	185.18	3.67
21290	Upland-CECET	35.30	185.19	3.67
21291	Upland-CECET	38.41	185.20	3.67
21292	Upland-CECET	41.18	185.21	3.67
21293	Upland-CECET	43.15	185.23	3.67
21294	Upland-CECET	45.07	185.24	3.67

Page 275 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
21373	Upland-CECET	49.28	185.73	6.11
21374	Upland-CECET	49.59	185.74	6.11
21375	Upland-CECET	50.12	185.76	-2.40
21376	Upland-CECET	51.42	185.77	-2.40
21377	Upland-CECET	52.92	185.79	-2.40
21378	Upland-CECET	54.17	185.80	-2.40
21379	Upland-CECET	54.53	185.82	-2.40
21380	Upland-CECET	54.55	185.83	-2.40
21381	Upland-CECET	54.50	185.85	-2.40
21382	Upland-CECET	54.50	185.86	-1.24
21383	Upland-CECET	53.39	185.88	-1.24
21384	Upland-CECET	52.19	185.89	-1.24
21385	Upland-CECET	49.97	185.90	-1.24
21386	Upland-CECET	47.23	185.92	-1.24
21387	Upland-CECET	44.09	185.93	-1.24
21388	Upland-CECET	40.83	185.94	-1.24
21389	Upland-CECET	37.45	185.95	0.95
21390	Upland-CECET	33.48	185.96	0.95
21391	Upland-CECET	29.34	185.97	0.95
21392	Upland-CECET	25.06	185.98	0.95
21393	Upland-CECET	20.85	185.98	0.95
21394	Upland-CECET	16.69	185.99	0.95
21395	Upland-CECET	12.97	185.99	0.95
21396	Upland-CECET	9.85	185.99	0.95
21397	Upland-CECET	5.95	185.99	0.95
21398	Upland-CECET	2.87	185.99	0.95
21399	Upland-CECET	0.72	185.99	0.95
21400	Upland-CECET	0.00	185.99	0.95
21401	Upland-CECET	0.00	185.99	0.95
21402	Upland-CECET	0.00	185.99	0.95
21403	Upland-CECET	0.00	185.99	0.95
21404	Upland-CECET	0.00	185.99	0.95
21405	Upland-CECET	0.00	185.99	0.95
21406	Upland-CECET	0.00	185.99	0.95
21407	Upland-CECET	0.00	185.99	0.95
21408	Upland-CECET	0.00	185.99	0.95
21409	Upland-CECET	0.00	185.99	0.95
21410	Upland-CECET	0.00	185.99	0.95
21411	Upland-CECET	0.00	185.99	0.95
21412	Upland-CECET	0.00	185.99	0.95
21413	Upland-CECET	0.00	185.99	0.95
21414	Upland-CECET	0.00	185.99	0.95
21415	Upland-CECET	0.00	185.99	0.95
21416	Upland-CECET	0.00	185.99	0.95
21417	Upland-CECET	0.00	185.99	0.95
21418	Upland-CECET	0.00	185.99	0.95
21419	Upland-CECET	0.00	185.99	0.95
21420	Upland-CECET	0.00	185.99	0.95
21421	Upland-CECET	0.00	185.99	0.95
21422	Upland-CECET	0.00	185.99	0.95
21423	Upland-CECET	0.00	185.99	0.95
21424	Upland-CECET	0.00	185.99	0.95
21425	Upland-CECET	0.00	185.99	0.95
21426	Upland-CECET	0.00	185.99	0.95
21427	Upland-CECET	0.00	185.99	0.95
21428	Upland-CECET	0.00	185.99	0.95
21429	Upland-CECET	0.00	185.99	0.95
21430	Upland-CECET	0.00	185.99	0.95
21431	Upland-CECET	0.00	185.99	0.95
21432	Upland-CECET	0.00	185.99	0.95
21433	Upland-CECET	0.00	185.99	0.95
21434	Upland-CECET	0.00	185.99	0.95
21435	Upland-CECET	0.00	185.99	0.95
21436	Upland-CECET	0.00	185.99	0.95
21437	Upland-CECET	0.00	185.99	0.95
21438	Upland-CECET	0.00	185.99	0.95
21439	Upland-CECET	0.00	185.99	0.95
21440	Upland-CECET	0.00	185.99	0.95
21441	Upland-CECET	0.00	185.99	0.95
21442	Upland-CECET	0.00	185.99	0.95
21443	Upland-CECET	0.00	185.99	0.95
21444	Upland-CECET	0.00	185.99	0.95
21445	Upland-CECET	0.00	185.99	0.95
21446	Upland-CECET	0.00	185.99	0.95
21447	Upland-CECET	0.00	185.99	0.95
21448	Upland-CECET	0.00	185.99	0.95
21449	Upland-CECET	0.00	185.99	0.95
21450	Upland-CECET	0.00	185.99	0.95

Page 274 of 279

time (s)	route	speed (mph)	distance (mi)	grade (%)
21295	Upland-CECET	46.38	185.25	1.84
21296	Upland-CECET	46.75	185.26	1.84
21297	Upland-CECET	46.21	185.28	1.84
21298	Upland-CECET	45.09	185.29	1.84
21299	Upland-CECET	43.51	185.30	1.84
21300	Upland-CECET	41.47	185.31	1.84
21301	Upland-CECET	38.12	185.32	1.84
21302	Upland-CECET	33.98	185.33	1.84
21303	Upland-CECET	29.80	185.34	1.84
21304	Upland-CECET	26.38	185.35	1.84
21305	Upland-CECET	23.06	185.35	-0.58
21306	Upland-CECET	19.76	185.36	-0.58
21307	Upland-CECET	16.01	185.36	-0.58
21308	Upland-CECET	12.79	185.37	-0.58
21309	Upland-CECET	9.76	185.37	-0.58
21310	Upland-CECET	7.03	185.37	-0.58
21311	Upland-CECET	5.18	185.37	-0.58
21312	Upland-CECET	3.36	185.37	-0.58
21313	Upland-CECET	1.13	185.38	-0.58
21314	Upland-CECET	0.00	185.38	-0.58
21315	Upland-CECET	0.00	185.38	-0.58
21316	Upland-CECET	0.00	185.38	-0.58
21317	Upland-CECET	0.00	185.38	-0.58
21318	Upland-CECET	0.00	185.38	-0.58
21319	Upland-CECET	0.00	185.38	-0.58
21320	Upland-CECET	0.00	185.38	-0.58
21321	Upland-CECET	0.00	185.38	-0.58
21322	Upland-CECET	0.00	185.38	-0.58
21323	Upland-CECET	0.00	185.38	-0.58
21324	Upland-CECET	0.00	185.38	-0.58
21325	Upland-CECET	0.00	185.38	-0.58
21326	Upland-CECET	0.00	185.38	-0.58
21327	Upland-CECET	0.00	185.38	-0.58
21328	Upland-CECET	0.00	185.38	-0.58
21329	Upland-CECET	0.00	185.38	-0.58
21330	Upland-CECET	0.00	185.38	-0.58
21331	Upland-CECET	0.00	185.38	-0.58
21332	Upland-CECET	0.00	185.38	-0.58
21333	Upland-CECET	0.00	185.38	-0.58
21334	Upland-CECET	0.00	185.38	-0.58
21335	Upland-CECET	0.00	185.38	-0.58
21336	Upland-CECET	0.00	185.38	-0.58
21337	Upland-CECET	0.00	185.38	-0.58
21338	Upland-CECET	0.00	185.38	-0.58
21339	Upland-CECET	0.00	185.38	-0.58
21340	Upland-CECET	0.27	185.38	-0.58
21341	Upland-CECET	5.10	185.38	-0.58
21342	Upland-CECET	11.72	185.38	-0.58
21343	Upland-CECET	16.65	185.38	-0.58
21344	Upland-CECET	21.28	185.39	-0.58
21345	Upland-CECET	25.16	185.40	-0.58
21346	Upland-CECET	28.13	185.40	-0.58
21347	Upland-CECET	30.92	185.41	-0.58
21348	Upland-CECET	33.74	185.42	-0.58
21349	Upland-CECET	35.79	185.43	-0.58
21350	Upland-CECET	37.67	185.44	-

time (s)	route	speed (mph)	distance (mi)	grade (%)
21607	141eCECERR	0.00	186.37	1.74
21608	141eCECERR	0.00	186.37	1.74
21609	141eCECERR	0.00	186.37	1.74
21610	141eCECERR	0.00	186.37	1.74
21611	141eCECERR	0.00	186.37	1.74
21612	141eCECERR	0.00	186.37	1.74
21613	141eCECERR	0.00	186.37	1.74
21614	141eCECERR	0.00	186.37	1.74
21615	141eCECERR	0.00	186.37	1.74
21616	141eCECERR	0.00	186.37	1.74
21617	141eCECERR	0.00	186.37	1.74
21618	141eCECERR	0.00	186.37	1.74
21619	141eCECERR	0.00	186.37	1.74
21620	141eCECERR	0.00	186.37	1.74
21621	141eCECERR	0.00	186.37	1.74
21622	141eCECERR	0.00	186.37	1.74
21623	141eCECERR	0.00	186.37	1.74
21624	141eCECERR	0.00	186.37	1.74
21625	141eCECERR	0.00	186.37	1.74
21626	141eCECERR	0.00	186.37	1.74
21627	141eCECERR	0.00	186.37	1.74
21628	141eCECERR	0.00	186.37	1.74
21629	141eCECERR	0.00	186.37	1.74
21630	141eCECERR	0.00	186.37	1.74
21631	141eCECERR	0.00	186.37	1.74
21632	141eCECERR	0.00	186.37	1.74
21633	141eCECERR	0.00	186.37	1.74
21634	141eCECERR	0.00	186.37	1.74
21635	141eCECERR	0.00	186.37	1.74
21636	141eCECERR	0.00	186.37	1.74
21637	141eCECERR	0.00	186.37	1.74
21638	141eCECERR	0.00	186.37	1.74
21639	141eCECERR	0.00	186.37	1.74
21640	141eCECERR	0.00	186.37	1.74
21641	141eCECERR	0.00	186.37	1.74
21642	141eCECERR	0.00	186.37	1.74
21643	141eCECERR	0.00	186.37	1.74
21644	141eCECERR	0.00	186.37	1.74
21645	141eCECERR	0.00	186.37	1.74
21646	141eCECERR	0.00	186.37	1.74
21647	141eCECERR	0.00	186.37	1.74
21648	141eCECERR	0.00	186.37	1.74
21649	141eCECERR	0.00	186.37	1.74
21650	141eCECERR	0.00	186.37	1.74
21651	141eCECERR	0.00	186.37	1.74
21652	141eCECERR	0.00	186.37	1.74
21653	141eCECERR	0.00	186.37	1.74
21654	141eCECERR	0.00	186.37	1.74
21655	141eCECERR	0.00	186.37	1.74
21656	141eCECERR	0.00	186.37	1.74
21657	141eCECERR	0.00	186.37	1.74
21658	141eCECERR	0.00	186.37	1.74
21659	141eCECERR	0.00	186.37	1.74
21660	141eCECERR	0.00	186.37	1.74
21661	141eCECERR	0.00	186.37	1.74
21662	141eCECERR	0.00	186.37	1.74
21663	141eCECERR	0.00	186.37	1.74
21664	141eCECERR	0.00	186.37	1.74
21665	141eCECERR	0.00	186.37	1.74
21666	141eCECERR	0.00	186.37	1.74
21667	141eCECERR	0.00	186.37	1.74
21668	141eCECERR	0.00	186.37	1.74
21669	141eCECERR	0.00	186.37	1.74
21670	141eCECERR	0.00	186.37	1.74
21671	141eCECERR	0.00	186.37	1.74
21672	141eCECERR	0.00	186.37	1.74
21673	141eCECERR	0.00	186.37	1.74
21674	141eCECERR	0.00	186.37	1.74
21675	141eCECERR	0.00	186.37	1.74
21676	141eCECERR	0.00	186.37	1.74
21677	141eCECERR	0.00	186.37	1.74
21678	141eCECERR	0.00	186.37	1.74
21679	141eCECERR	0.00	186.37	1.74
21680	141eCECERR	0.00	186.37	1.74
21681	141eCECERR	0.00	186.37	1.74
21682	141eCECERR	0.00	186.37	1.74
21683	141eCECERR	0.00	186.37	1.74
21684	141eCECERR	0.00	186.37	1.74

APPENDIX D**Adjustment Factors**

The table below contains the upward adjustment factors to be added to the testing results for the Emission Modification Enhanced In-Use Testing performed pursuant to this Consent Decree. These adjustment factors, submitted by Cummins as part of the application for the MY 2018 RAMS, account for the emissions associated with regeneration of the Diesel Particulate Filter (DPF).

Adjustment Factors as Submitted for 2018 MY Certification Application						
Infrequent Regeneration Adjustment Factor (IRAF)	NMOG/NMHC (Non-methane Hydrocarbons) g/mi	CO (Carbon Monoxide) g/mi	NOx (Oxides of Nitrogen) g/mi	CH4 (Methane) g/mi	THC (Total Hydrocarbons)	N2O (Nitrous Oxide) g/mi
Class 2b/3 - Upward Diesel Adjustment Factor (FTP75)	0.0005	0.0013	0.0118	0.0		0.0
Class 2b/3 - Upward Diesel Adjustment Factor (HWFET)	0.0002	N/a	0.0036	0.0		0.0