Alternate Transportation System

Selma to Montgomery (Voting Rights Act) National Historic Trail
Statement of Purpose

The plan is in support of environmental justice issues in underserved communities and cities along the Voting Rights Act Trail, such as:

Lack of access to medical care and job opportunities

Food desert issues

Lack of access to educational opportunities leading to increased employment opportunities.
Lack of Access to Medical Care

- Vaughan Regional Medical Center – 30.5 mi.
- Selma Baptist Hospital – 30.5 mi.
- Baughn Medical Center – 30.5 mi.
- Jackson Hospital – 34.9 mi.
- Baptist Medical Center South – 32.9 mi.
- Baptist Medical Center East – 42.4 mi.
- Children’s Hospital of Alabama – 42.4 mi.
- Central Alabama Veterans Health Care – 38.6 mi.

*Using Whitehall, Al. as a reference, distances may vary.
Lack of Access to Educational Opportunities

Selma University – 27 mi.

Concordia College – 26.8 mi.

Wallace Community College – 28.8 mi.

Alabama State University – 29 mi.

Faulkner University – 34 mi.

Auburn University @ Montgomery – 35 mi.

*Using Whitehall, Al. as a reference, distances may vary.
Food Dessert Issues

Valley Grande Grocery – 33.8 mi.

Walmart Supercenter – 25.8 mi.

Washington Street Super Market – 25.6 mi.

Winn-Dixie – 28.7 mi.

Piggly Wiggly - 35 mi.

Publix Supermarket - 35 mi.

Langley Inc.

Hayneville Associated Grocery
EPA Regional Community of Interest

*citydata.com
Components Addressed

• September 2013 – The creation of the Tent City Economic Empowerment Group (TCEEG), an umbrella group for cites in the center of the Trail (White Hall, Mosses and Hayneville), which work together to address issues and share resources.

• September 2014 – The National Park Service (NPS) provided a grant of $50,000 to Tuskegee University (TU) for development of the alternate transportation plan.

• October 2014 – EPA HQ Brownfield Office committed $30,000 worth of contractual support to assist in the planning, to include; starting the clean-up of two of the five brownfield sites to be reused as bus stops. EPA is also beginning the cleanup effort and teaching TU how to participate in the brownfield efforts.

• May 2015 - The plan was formally briefed to NPS and EPA.
Plan for An Alternative Transportation System
Along the Selma to Montgomery
(Voting Rights Act) National Historic Trail

Presented To:
The Environmental Justice Interagency Working Group

Washington, D.C.
June 25, 2015
In Appreciation:

U.S. Department of the Interior
Supt. Sandra Taylor & Staff, National Park Service

Environmental Protection Agency

Alabama Department of Transportation
Alabama Department of Environmental Management
West Alabama Transit Authority

Mayors, Officials, & Residents of Hayneville, Mosses, White Hall, and communities of surrounding Lowndes County, AL

Mayor, Officials, & Residents of Selma, and communities of surrounding Dallas County, AL

25 JUN. 2015
Participants:

Michael Burns, Senior Advisor & CUPP Program Manager, EPA Region 4
Walter Hill, Dean, Project Director, TU
Miles Robinson, Project Co-Director, TU
Gertrude Wall, Extension Agent, TU

Tuskegee University
Robert R. Taylor School of Architecture and Construction Science
Daya Taylor, Interim Dean

Roderick Fluker, Project Co-Director, TU
Emile Dixon, Project Co-Director, TU

Students:
Megan Brightharp, Perry Couch, Zenobia Johnson, Michael Larche’, Allison Merritt, Taurean Merriweather, Taylor Shepherd, and Jaime White

25 JUN 2015
Statement of Purpose

The plan is in support of environmental justice issues in underserved communities and cities along the Voting Rights Act Trail, such as:

- Lack of access to medical care and job opportunities
- Food desert issues
- Lack of access to educational opportunities leading to increased employment opportunities.
- Lack of access to historic landmarks and sites, which would provide important educational opportunities to youth in the underserved areas.
- Lack of access to historical landmarks and sites, which would provide important educational opportunities to visitors from outside of the area, and the potential financial benefit from an increase in tourism.
- Lack of access to recreational venues, which would promote healthy living options for the residents for the underserved areas.
Project Scope
To gather the requirements to determine the following:

Route for the proposed transportation

Number of bus stops to be incorporated into the routes, to include the use of brown fields sites for the purpose of redevelopment where possible

Type of vehicles to be used, and proposed locations for storage and maintenance of such vehicles

Accurate justification for the need for this transportation, to include input from citizens of the impacted areas

Draft design of bus stops, to include the use of alternate energy for lighting and other needs where possible

Estimates of potential ridership

Estimates of total project, with a breakdown of each major component
## Public Meetings & Activities

<table>
<thead>
<tr>
<th>DATE</th>
<th>EVENT</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/30/2014</td>
<td>Discussed project with Mayors from representative cities, communities in Lowndes County (Mosses, White Hall)</td>
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<tr>
<td>10/9/2014</td>
<td>Discussed project, bus options, stops, with West Alabama Transit</td>
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<tr>
<td>10/13/2014</td>
<td>Public Meeting - Mosses (Lowndes County)</td>
<td>Attendants: (Approx. 40)</td>
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<td>10/15/2014</td>
<td>Public Meeting - White Hall (Lowndes County)</td>
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<td>10/27/2014</td>
<td>Public Meeting - Selma (Dallas County)</td>
<td>Attendants: (Approx. 15)</td>
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<tr>
<td>10/29/2014</td>
<td>Public Meeting - Hayneville (Lowndes County)</td>
<td>Attendants: (Approx. 25)</td>
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<tr>
<td>1/17/2015</td>
<td>Document Potential Stop Sites with Students; Viewed 'Selma' movie</td>
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</table>
Public meetings were held in Hayneville, Mosses, White Hall, and Selma to receive direct input on preferences for locations and number of bus stops for transit.
Composite Map: Community Stop Preferences & Potential Brownfield Sites

Potential Brownfield Site(s)

Bus Stop Locations

Community Preference:
Reds = 1st Choice
Blues = 2nd Choice
Tuskegee Student Design Session _ Weekly Meetings to Discuss and Develop Project Ideas

25 JUN 2015
Site Visit _ Site Visits and Route Schedule Planning
Preliminary Bus Routes Map  _  14 Potential Stop Locations Proposed: ‘A’ Stops are along Highway 80 and ‘B’ Stops are along a loop route in Lowndes County.
Bus Stop Design _ Medium Bus Stop Prototype
Bus Stop Design _ Medium Bus Stop Prototype Plans – 400 sf

1. WAITING AREA
2. VENDING AREA
3. RESTROOM
4. MECHANICAL/STORAGE
5. LIGHTING TOWER
6. BUS DROP-OFF
Bus Stop Design _ Medium Bus Stop Prototype
Bus Stop Design _ Connection Bus Stop Prototype
Bus Stop Design _ Large Bus Stop Prototype (AB5) – 900 sf

1. WAITING AREA
2. VENDING AREA
3. RESTROOM
4. MECHANICAL/STORAGE
5. OUTDOOR COVER AREA
6. BUS DROP-OFF

FLOOR PLAN

SECTION

REAR ELEVATION

FRONT ELEVATION

25 JUN. 2015
Highway 80  _ Sample Sites for Bus Stop

Lowndes County
AL
32.271036,
-86.511971

4025 U.S 80 Selma,
AL 36701

433 US-80 BUS
Selma, Alabama

PLAN FOR AN ALTERNATIVE TRANSPORTATION SYSTEM
SELMA TO MONTGOMERY (VOTING RIGHTS ACT) NATIONAL HISTORIC TRAIL
Lowndes County  _ Sample Sites for Bus Stop

153-199 Oak St
Hayneville, AL 36040
32.181739, -86.581070

Moses, AL
32.174008, -86.671650

452 Hicks Hill Rd E
Hayneville, AL 36040
32.239004, -86.747969

PLAN FOR AN ALTERNATIVE TRANSPORTATION SYSTEM
SELMA TO MONTGOMERY (VOTING RIGHTS ACT) NATIONAL HISTORIC TRAIL
Lowndes County _ Sample 1 Acre Site for Bus Stop

25.JUN.2015
Lowndes County _ Sample Site for Bus Stop Site Plan

25 JUN. 2015
Solar (PV) Panels at Roof - Generating Power for Lighting and Outlets

Composting Toilet – Limited Water Usage at Restrooms

Natural Ventilation Promoted by Wall and Roof Openings

Cutaway View _ Bus Stop Environmental / Energy Systems
Solar (PV) Panels:
Approx. 250 SF Min.
Array
2 – 4 kW Grid-Connected System
(3,000 kWh/yr)
$25,000 Budget

Composting Toilet – Self Contained Unit
Vented Through Bldg. Stack
$2,000 Budget
### Preliminary Project Scope _ Cost Estimates – Bus Stop Sites

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<tr>
<th>ITEM *</th>
<th>DESCRIPTION</th>
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<th>UNIT COST</th>
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<td>A</td>
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Project Components to be Addressed

• Land Acquisition
• Site Work/ Landscaping
• Demolition
• Clean-up (to include Brownfield clean-up for re-use)
• Construction and/or Repairs
• Service Connections
• Solar Power
• Access Paving
• Equipment Purchase
## Agency Share

<table>
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<tr>
<th>Overall Estimate</th>
<th>DOT</th>
<th>HUD</th>
<th>HHS</th>
<th>DOC</th>
<th>EPA</th>
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<td><strong>$400,000.00</strong></td>
<td><strong>$1,015,000.00</strong></td>
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Site Acquisition, $36 K, 12 Sites
Site Work, $2.15 M, 13 Sites

• National Infrastructure Investments, TIGER Discretionary Grants, Department of Transportation, Office of the Secretary (OST) Administration Secretariat

• Community Development Block Grants/Entitlement Grants, Department of Housing and Urban Development, Office of Community Planning and Development

• Paul S. Sarbanes Transit in the Parks, Department of Transportation, Federal Transit Administration (FTA)
Brownfield Clean-up, $1 M, 5 Sites

- Brownfields Cleanup Grants, Environmental Protection Agency (EPA)
- Community Health Projects Related to Contamination at Brownfield/Land Reuse Sites, Department of Health and Human Services (HHS), Centers for Disease Control and Prevention (CDC)
- Economic Development Assistance Programs Application submission and program requirements for EDA's Public Works and Economic Adjustment Assistance programs, Department of Commerce, Economic Development Administration
Bus Stop Construction, $3.85 M, 13 Sites

• Job Access And Reverse Commute Program—Department of Transportation (DOT), Federal Transit Authority

• Bus and Bus Facilities Formula Program, Department of Transportation (DOT), Federal Transit Authority

• National Infrastructure Investments, TIGER Discretionary Grants, Department of Transportation, Office of the Secretary (OST) Administration Secretariat

• Community Facilities Loans and Grants, Department of Agriculture, Rural Housing Service
Vehicle Purchase, $370 K

• Capital Assistance Program for Reducing Energy Consumption and Greenhouse Gas Emissions, **Department of Transportation, Federal Transit Administration (FTA)**

• Bus and Bus Facilities Formula Program, **Department of Transportation, Federal Transit Administration (FTA)**
Project Planning, Design and Engineering; $600 K

- Rural Community Development Initiative, Department of Agriculture, Rural Housing Service
- Hunger Free Communities, Department of Agriculture, Food and Nutrition Service
- Rural Economic Development Loans and Grants, Department of Agriculture, Rural Business-Cooperative Service
- Cluster Grants, Department of Commerce, Economic Development Administration
- Strong Cities Strong Communities (SC2) National Resource Network, Department of Housing and Urban Development, Office of Policy Development and Research
- Metropolitan Transportation Planning and State and Non-Metropolitan Planning and Research, Department of Transportation, Federal Transit Administration (FTA)
- Formula Grants for Rural Areas, Department of Transportation, Federal Transit Administration (FTA)
- Public Transportation Research, Department of Transportation, Federal Transit Administration (FTA)
- Alternatives Analysis, Department of Transportation, Federal Transit Administration (FTA)
- Transportation Planning, Research and Education, Department of Transportation, Office of the Secretary (OST) Administration Secretariat
- Inventions and Innovations, Department of Energy
Total Project

- $8 M
- $2.4 M in Site acquisition and preparation
- $1 M in Brownfield clean-up
- $4 M in Construction and repairs
- $370 K in Equipment purchases
- $600 K in Planning, design and engineering

*Estimates are approximate*
Questions
Our Vision

The Conservation Fund works at the intersection of conservation and community—we believe that environmental protection and economic vitality are inseparable.