ACTIVE TRANSPORTATION ADVISORY COMMITTEE

Memphis MPO

April 11, 2017
Welcome & Introductions

Announcements and Briefings
  ▪ FHWA Bike Counter Update
  ▪ Transportation Alternatives Update – Mississippi
  ▪ Bus Stop Study Guidelines Update
  ▪ Other Agency and Organization Updates

The Big Jump Project, City of Memphis

New Business

Adjourn
BICYCLE AND PEDESTRIAN COUNTER UPDATE
Counters testing phase March 21 – March 27

3 Locations to test equipment

- Each location had both Bicycle and Pedestrian counters
- Testing locations were:
  1. Main Street and Adams Ave
  2. Dunlap and Jefferson Ave
  3. Shady Grove and Humphreys Blvd
INSTALLATION OF COUNTER TECHNOLOGY

Location: Main and Adams

Infrared Devices

Pneumatic Tubes
BICYCLE AND PEDESTRIAN COUNTS AT TEST LOCATIONS

Test Period: March 21-29
**Main St and Adams Ave.**

Counter Location and Installation (Pedestrian)

- **Busiest Day of the Week:** Thursday (1,243 Counts)
- **Slowest Day of the Week:** Saturday
- **Busiest Time of Day:** 12:00 PM
- **Daily Average:** 785
  - Min: 441 (Saturday)
  - Max: 1,243 (Thursday)

Note: Graphs illustrate total counts (pedestrian and bicycle)
Main and Adams – Bicycle Counts

- Busiest Day of the Week: Thursday
- Slowest Day of the Week: Wednesday
- Busiest Time of Day: 11:00 AM
DUNLAP ST. AND JEFFERSON AVE.
COUNTER LOCATION AND INSTALLATION (PEDESTRIAN)

- **Busiest Day of the Week:** Wednesday (126 Counts)
- **Slowest Day of the Week:** Saturday
- **Busiest Time of Day:** 9:00 AM
- **Daily Averages:** 93
  - Min: 32 (Saturday)
  - Max: 126 (Wednesday)

**Dunlap and Jefferson Daily Counts**

<table>
<thead>
<tr>
<th></th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
<th>Sat</th>
<th>Sun</th>
</tr>
</thead>
<tbody>
<tr>
<td>123.0</td>
<td>111.0</td>
<td>126.0</td>
<td>122.0</td>
<td>103.0</td>
<td>32.0</td>
<td>36.0</td>
<td></td>
</tr>
</tbody>
</table>

**Dunlap and Jefferson Hourly Averages**

![Hourly Averages Graph](image-url)
Dunlap and Jefferson – Bicycle Counts

- **Busiest Day of the Week:** Sunday
- **Slowest Day of the Week:** Saturday
- **Busiest Time:** 12:00 PM
SHADY GROVE AND HUMPHREYS COUNTER LOCATION AND INSTALLATION

- Busiest Day of the Week: Sunday
- Slowest Day of the Week: Saturday
- Busiest Time of the Day: 9:00 PM
- Daily Average: 25.3
  - Min: 13 (Saturday)
  - Max: 40 (Sunday)
Humphreys and Shady Grove – Bicycle Counts

- **Busiest Day of the Week:** Sunday
- **Slowest Day of the Week:** Saturday
- **Busiest Time:** 12:00 PM
## SUMMARY OF DATA

<table>
<thead>
<tr>
<th>Locations</th>
<th>Main/Adams</th>
<th>Dunlap/ Jefferson</th>
<th>Humphreys/ Shady Grove</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pedestrian</td>
<td>Bicycles</td>
<td>Pedestrian</td>
</tr>
<tr>
<td><strong>Total Counts</strong></td>
<td>5,496</td>
<td>158</td>
<td>653</td>
</tr>
<tr>
<td><strong>Busiest Day</strong></td>
<td>Thursday</td>
<td>Thursday</td>
<td>Wednesday</td>
</tr>
<tr>
<td><strong>Slowest Day of the Week</strong></td>
<td>Saturday</td>
<td>Wednesday</td>
<td>Saturday</td>
</tr>
<tr>
<td><strong>Busiest Time of Day</strong></td>
<td>12:00 PM</td>
<td>11:00 AM</td>
<td>9:00 AM</td>
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<td></td>
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<td></td>
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</tr>
</tbody>
</table>
## COMPARISON OF DATA (2014/2017)

<table>
<thead>
<tr>
<th>Count Type</th>
<th>Main/Adams</th>
<th>Dunlap/Jefferson</th>
<th>Humphreys/Shady Grove</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>April 2014</strong>&lt;br&gt;(Manual)</td>
<td><strong>March 2017</strong>&lt;br&gt;(Automatic)</td>
<td><strong>April 2014</strong>&lt;br&gt;(Manual)</td>
<td><strong>March 2017</strong>&lt;br&gt;(Automatic)</td>
</tr>
<tr>
<td><strong>Pedestrian</strong></td>
<td>1132</td>
<td>583</td>
<td>188</td>
</tr>
<tr>
<td><strong>Bicycle</strong></td>
<td>23</td>
<td>9</td>
<td>3</td>
</tr>
</tbody>
</table>

**Notes:** Compared 2014 count to 2017 count on the same day of week and same 12-hour period.
WHAT’S NEXT FOR THE COUNTER PROGRAM?

- Follow Up with FHWA Final Report
- Counter Program Underway
FY 2016-17 TRANSPORTATION ALTERNATIVES UPDATE (MISSISSIPPI)
Project Description:
- Sidewalks and Lighting around perimeter of downtown Nesbit
- Sidewalk Connection – downtown Nesbit to adjacent neighborhood

Funds Requested: $470,000 federal
- MDOT Reviewed the Cost Estimate and Recommended Changes
- City in Process of Making Revising Cost Estimate
Next Steps

- Next Quarter MPO Meetings (May)
  - Approval of Nesbit Square TA Project

- Fall 2017 – Next Application Cycle
  - TN & MS
  - Annual Call for Applications
BUS STOP STUDY GUIDELINES UPDATE
BUS STOP DESIGN & ACCESSIBILITY GUIDELINES UPDATE

- Background
- Outreach Findings
- Consultant Review
- Recommendations
  - Bus Stop Type
  - Bus Stop Elements
- Next Steps
April 2016  ▪ Project Began

June 2016  ▪ Public Survey Begins
▪ Build a Bus Stop Game
▪ Stakeholder Meetings

July 2016  ▪ Public Survey Ends

August-October 2016  ▪ Consultant Reviews/Field Work

March 2017  ▪ First Draft
April 2017  ▪ Full Draft
# Outreach Findings

<table>
<thead>
<tr>
<th>Build a Bus Stop Game</th>
<th>MCIL Meeting</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Trash Cans</td>
<td>- Lighting</td>
</tr>
<tr>
<td>- Lighting</td>
<td>- Clear Signage</td>
</tr>
<tr>
<td>- Shelters</td>
<td>- Standard Sign Poles</td>
</tr>
<tr>
<td></td>
<td>- Standard MATA Signs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Bus Stop Public Survey</th>
<th>Stakeholder Meeting</th>
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</thead>
<tbody>
<tr>
<td>- Shelters</td>
<td>- Defined Standards</td>
</tr>
<tr>
<td>- Lighting</td>
<td>- Bus Stop Database</td>
</tr>
<tr>
<td>- Clear Signage</td>
<td>- Conceptual Level Drawings</td>
</tr>
<tr>
<td>- Benches/Seating</td>
<td>- Multiple Bus Stop Types</td>
</tr>
<tr>
<td>- Trash Cans</td>
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</tbody>
</table>
CONSULTANT REVIEW

- Conducted a review of 8 local plans and studies
- Classified 4,463 MATA bus stops:
  - Trip Volume
  - Land Use
  - Type of Bus Route served
  - Roadway Characteristics
  - Transfer Activity
- Recommendations:
  - Outreach Efforts
  - Best Practices
  - ADA Requirements
  - Peer Cities
- Conceptual Site Plans
## Bus Stop Element Recommendations

<table>
<thead>
<tr>
<th></th>
<th>Landing Pad (5' W x 8' D)</th>
<th>Pavement Markings</th>
<th>Shelter</th>
<th>Basic Sign</th>
<th>Lighting</th>
<th>Bus Pad in Roadway</th>
<th>Info Screen or Kiosk</th>
<th>Fare Machine</th>
<th>Charging Station</th>
<th>Trash Receptacle</th>
<th>Protective Bollards</th>
<th>Art</th>
<th>Bicycle Parking</th>
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</thead>
<tbody>
<tr>
<td>For all bus stops</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
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<td>High-volume stops</td>
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<td>(&gt; 75 daily boardings)</td>
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<td>X</td>
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<td>As needed</td>
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<td>X</td>
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</tbody>
</table>
BUS STOP TYPES
Conceptual Plan Recommendations
Before & After
High-Volume v. Low-Volume
MATA works with City Engineering dept. and others agencies to incorporate the guidelines in their work.

As funds are available, the stops will be selected for improvement based on the prioritization criteria in the document.
OTHER AGENCY AND ORGANIZATION UPDATES
Quarterly Updates/Presentations to the committee

- Related to active transportation
- Share initiatives going on in your local community, city, region, or statewide

City of Memphis, Big Jump Program
THE BIG JUMP PROJECT

PRESENTED BY:
NICK OYLER,
BICYCLE
CITY OF MEMPHIS
NEW BUSINESS

- October ATAC Meeting Date: Tuesday, October 10, 2017

- TN Highway Safety Presentation and Discussion
  - Next ATAC Meeting
    - July 11, 2017
Next Steps

Next Meeting

- Tuesday, July 11 @ 4:30 PM
- Meeting Location
  Benjamin L. Hooks Central Library
  3030 Poplar Avenue, Memphis
  Conference Room A