Livability 2050 Regional Transportation Plan Update

Transportation Policy Board (TPB)

August 23, 2018
Timeline

Livability 2050 Regional Transportation Plan

  - General Input
    - Feb. 2018 – Round One Public Meetings
- Fall 2018 – Round Two Public Meetings
  - Draft Findings
- Summer 2019 – Round Three Public Meetings
  - Draft Plan

We are here!

Memphis MPO
METROPOLITAN PLANNING ORGANIZATION

connecting people & places 2050
Public Engagement Summary
Public Workshops

7 Meetings: 75 Attendees

Bartlett City Council Chambers
Monday, February 5, 2018
11:30 AM-1:00 PM
6400 Stage Road
Bartlett, TN 38134

MATA Airways Transit Center
Monday, February 5, 2018
5:30 PM-7:00 PM
3033 Airways Boulevard
Memphis, TN 38131

DeSoto County Board of Supervisors
Tuesday, February 6, 2018
10:00 AM-11:30 AM
365 Losher Street, 3rd Fl. Board Rm.
Hernando, MS 38632

Orange Mound Community Center
Tuesday, February 6, 2018
11:30 AM-1:00 PM
2572 Park Avenue
Memphis, TN 38114

Oakland City Hall
Tuesday, February 6, 2018
5:00 PM-6:30 PM
170 Doss Circle
Oakland, TN 38060

Collierville Chamber Board Room
Tuesday, February 6, 2018
5:30 PM-7:00 PM
500 Poplar View Parkway
Collierville, TN 38017

Byhalia City Hall
Wednesday, February 7, 2018
1:30 PM-2:30 PM
161 Mississippi 309
Byhalia, MS 38611

MemphisMPO
MemphisUrbanAreaMPO
MemphisMPO
Online Survey

- **337 Online Surveys**
- **30 Paper Surveys**
- **735 Map Markers**
- **3,738 Unique Data Points**
Bike
- Connect Greenline to Fairgrounds
- Buffered bike lanes on Poplar Ave.

Freight
- Highway 78

Pedestrian
- Safer crossings
- Better pedestrian access around schools

Roadway
- Additional N/S route connections
- Better coordinated signals

Safety
- Enforcement of speed limits
- Poplar Avenue at several intersections & for non-vehicular traffic

Transit
- Higher frequency bus routes
- Passenger rail
Public Outreach Summary

- Consistent feedback in relation to **guiding principles** for improvement of transportation system
  - Improve safety (1)
  - Improve efficiency (2)
  - Improve quality (3)

- Input on investment priorities varied by mode
  - From **regional mobility** to **local livability** needs
Needs Analysis

<table>
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<tr>
<th>Year</th>
<th>Bicyclist</th>
<th>Pedestrian</th>
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<tbody>
<tr>
<td>2017</td>
<td>98</td>
<td>377</td>
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<tr>
<td>2016</td>
<td>84</td>
<td>328</td>
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<tr>
<td>2015</td>
<td>98</td>
<td>400</td>
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<tr>
<td>2014</td>
<td>109</td>
<td>378</td>
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Legend
Crash Severity
- Fatal Crashes
- Injury Crashes

Road Network
- Interstates/Freeways
- US Routes
- State Routes
- County Roads
- Main Roads
- Other Roads
- Railroads
- States
- Counties
- Waterbodies
Transit

Draft Recommended Network

- Increase jobs accessible in 1 hour by 39% (17,000 jobs)
- Increase job access for:
  - Low income residents: 49%
  - Minority residents: 45%
- More weekend and evening service.
Freight

- Incorporate recommendations from MPOs freight plan
- Freight Modes and Networks
- Address Operational and Geometric Deficiencies
- Invest in critical freight corridors
  - focusing on corridor preservation in terms of reliability and pavement quality
Overarching Themes from Outreach + Needs Analysis

- **Safety remains a priority** for all modes of transportation.
- **Target opportunities for multimodal enhancements** focus less on how much the system is expanded and more on **how the system is connected and enhanced**.
- **Preservation is important** to the community.
- **Logistics still key**: focus on removing barriers to freight movement and related development.
Planning Funding Scenarios
Current Livability 2040

CONCEPT 1
Regional Roadway Connections

CONCEPT 2
Expanded Travel Options
CONCEPT 1: Regional Roadway Connections

- Upgrading a strategic set of radial corridors with a focus on **improving roadway LOS** for autos and freight
- Maximizing **delay reduction** for autos and freight along key radial corridors
- Targeting **multimodal investment** within employment and activity centers
CONCEPT 1: Regional Roadway Connections
CONCEPT 2: Expanded Travel Options

- Modifying facility design along key north-south connections to maximize multimodal LOS
- Providing more connections within the system to disperse traffic along an expanded grid
- Continuing investment approach to support a regional grid system
CONCEPT 2: Expanded Travel Options
<table>
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<tr>
<th>FAST Act Goals</th>
<th>Criteria</th>
<th>Concept One: “Regional Roadway Connections”</th>
<th>Concept Two: “Expanded Travel Options”</th>
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<tr>
<td>Infrastructure Condition</td>
<td>Limits long-term maintenance burden</td>
<td>🟢</td>
<td>🟢</td>
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<tr>
<td>Safety</td>
<td>Improves multimodal safety</td>
<td>🟢</td>
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<tr>
<td>Economic Vitality/Freight Movement; Environmental Sustainability</td>
<td>Provides new facility coverage (by mode) – roadway</td>
<td>🟢</td>
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<tr>
<td></td>
<td>Provides new facility coverage (by mode) – transit</td>
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<td>🟢</td>
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<tr>
<td></td>
<td>Provides new facility coverage (by mode) – bicycle/pedestrian</td>
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<tr>
<td>Environmental Sustainability</td>
<td>Limits environmental and social impacts</td>
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<tr>
<td>Environmental Sustainability</td>
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<td>Reduces VMT</td>
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<tr>
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<td>Provides additional complete streets</td>
<td>🟢</td>
<td>🟢</td>
</tr>
<tr>
<td>Congestion Reduction/System Reliability; Economic Vitality/Freight Movement</td>
<td>Reduces congestion and delay for autos and trucks</td>
<td>🟢</td>
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</table>

- 🟢: High
- 🟢: Medium
- 🟢: Low
**CONCEPT TWO** was the preferred scenario and adopted by both the ETC & TPB during the Livability 2040 process.

**CONCEPT 1**
Regional Roadway Connections

**CONCEPT 2**
Expanded Travel Options
2017-2020 TIP Projects

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LIVABILITY 2050
connecting people & places
What is the progress so far?

- Supportive of Concept 2
  - Regional Freight Plan
  - MATA Transit Vision Plan
  - IMPROVE Act Funding for State and Local Projects
- Total FY 2017-2020 TIP Bike/Ped Projects:
  - 22% TN funds (up from 9% in 2014-2017 TIP)
  - 11% MS funds (up from 1% in 2014-2017 TIP)
Next Steps

- TPB Adopt Planning Funding Scenario
- Consolidate Draft Recommendations
- Create Draft Prioritization
- Second Round of Public Meeting – Fall 2018
Transportation Policy Board (TPB) Action

- Consider Approval of a Transportation Planning Funding Scenario
  - Recommendation - Approval of the Expanded Travel Option Planning Funding Scenario