



TDOT

Department of
Transportation

I-40/81 Multimodal Corridor Study

Round 2 Virtual Public Meetings

December 9, 2020



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TODAY'S AGENDA



CORRIDOR STUDY

- Study Purpose
- Types of Needs Identified on I-40 and I-81
- Recommended Solutions
- Discussion / Questions

STUDY PURPOSE



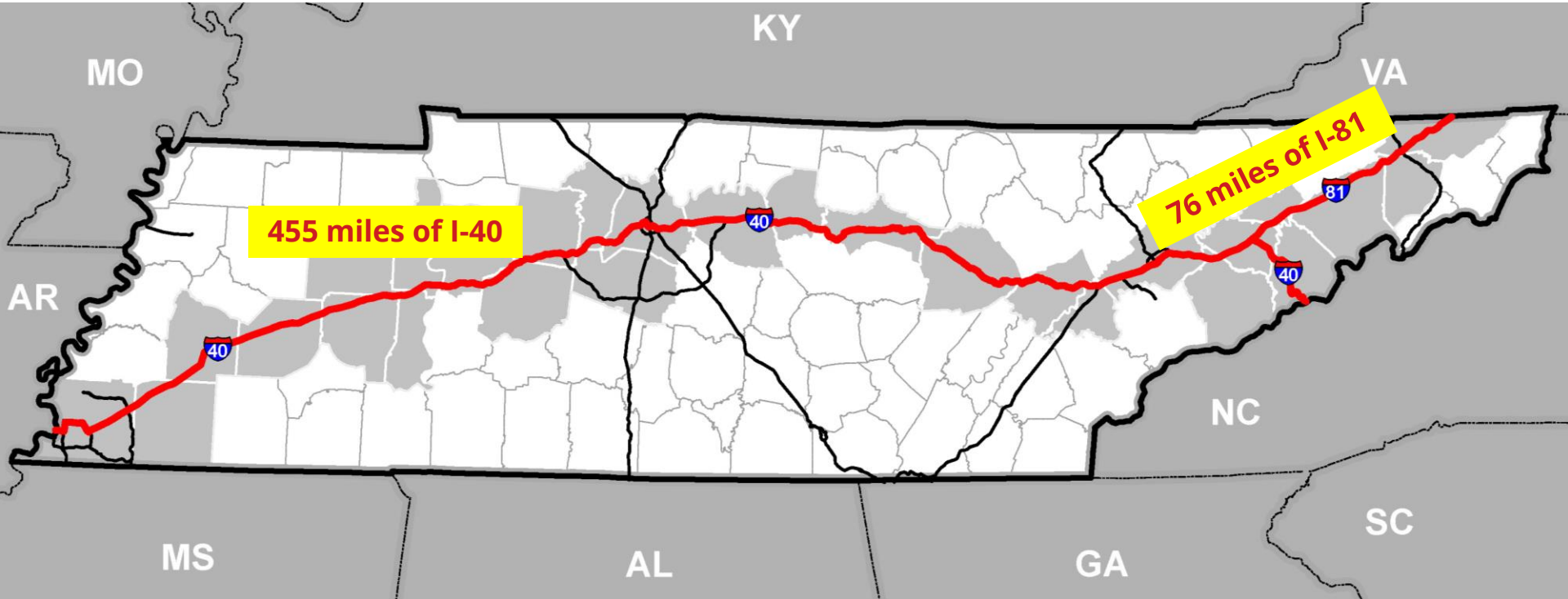
WHAT THIS STUDY IS:

- ✓ A 20-year, phased set of recommended transportation improvements for the I-40 and I-81 corridors

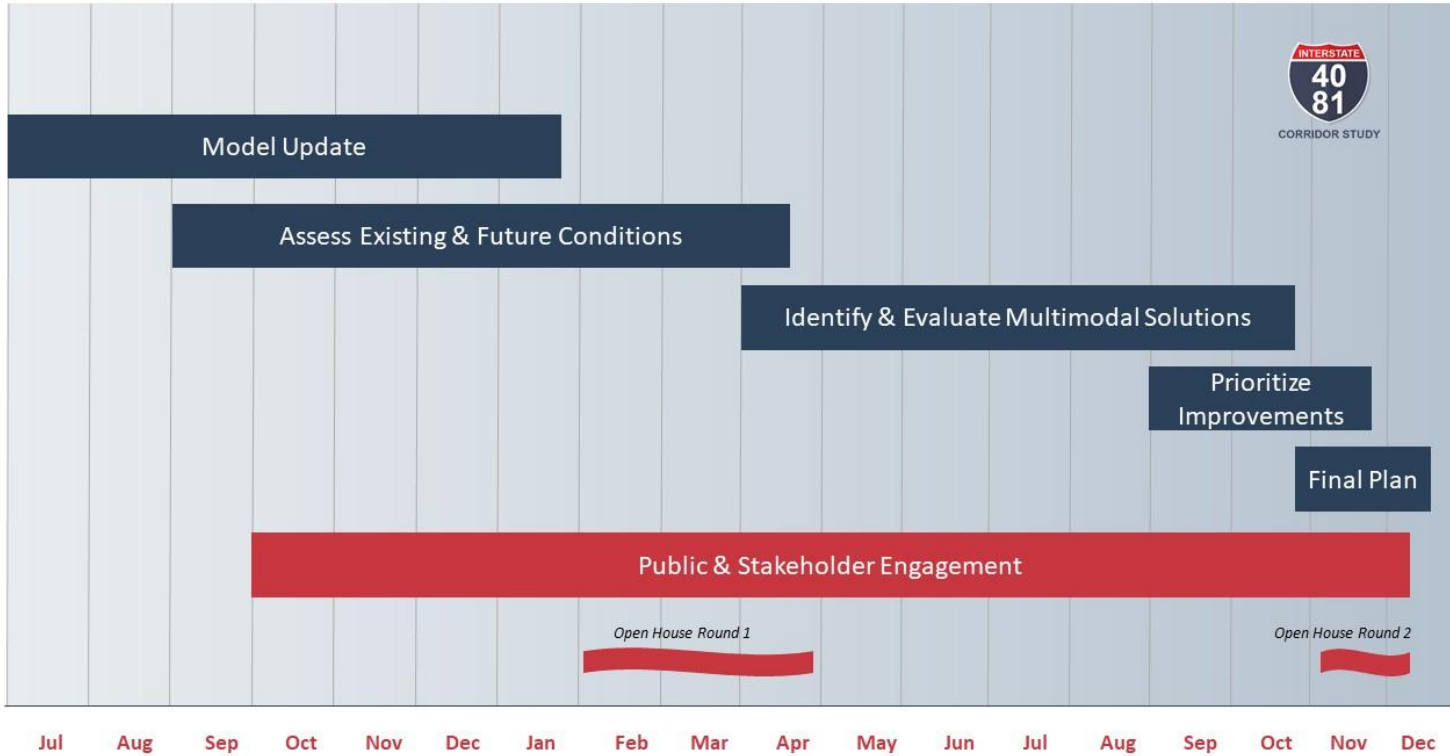
PURPOSE:

- ✓ Guidance for decision-makers regarding future projects
- ✓ Promote coordination with stakeholders on the future of this corridor

CORRIDOR STUDY AREA



STUDY TIMELINE



RECOMMENDED SOLUTION TYPES



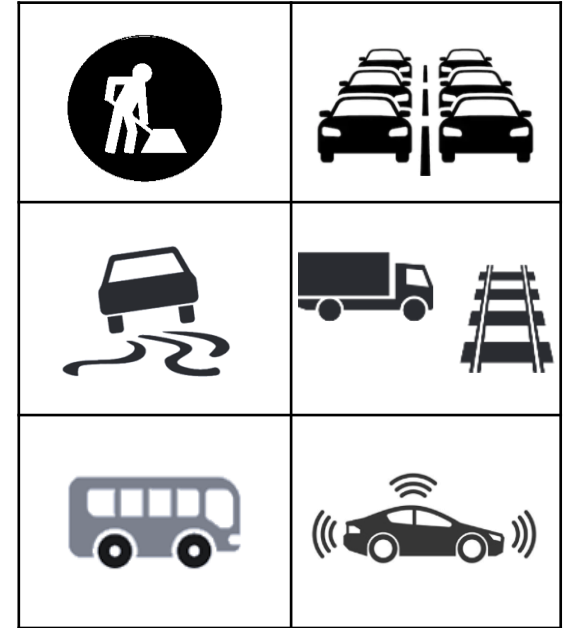
Highway Expansion

Safety

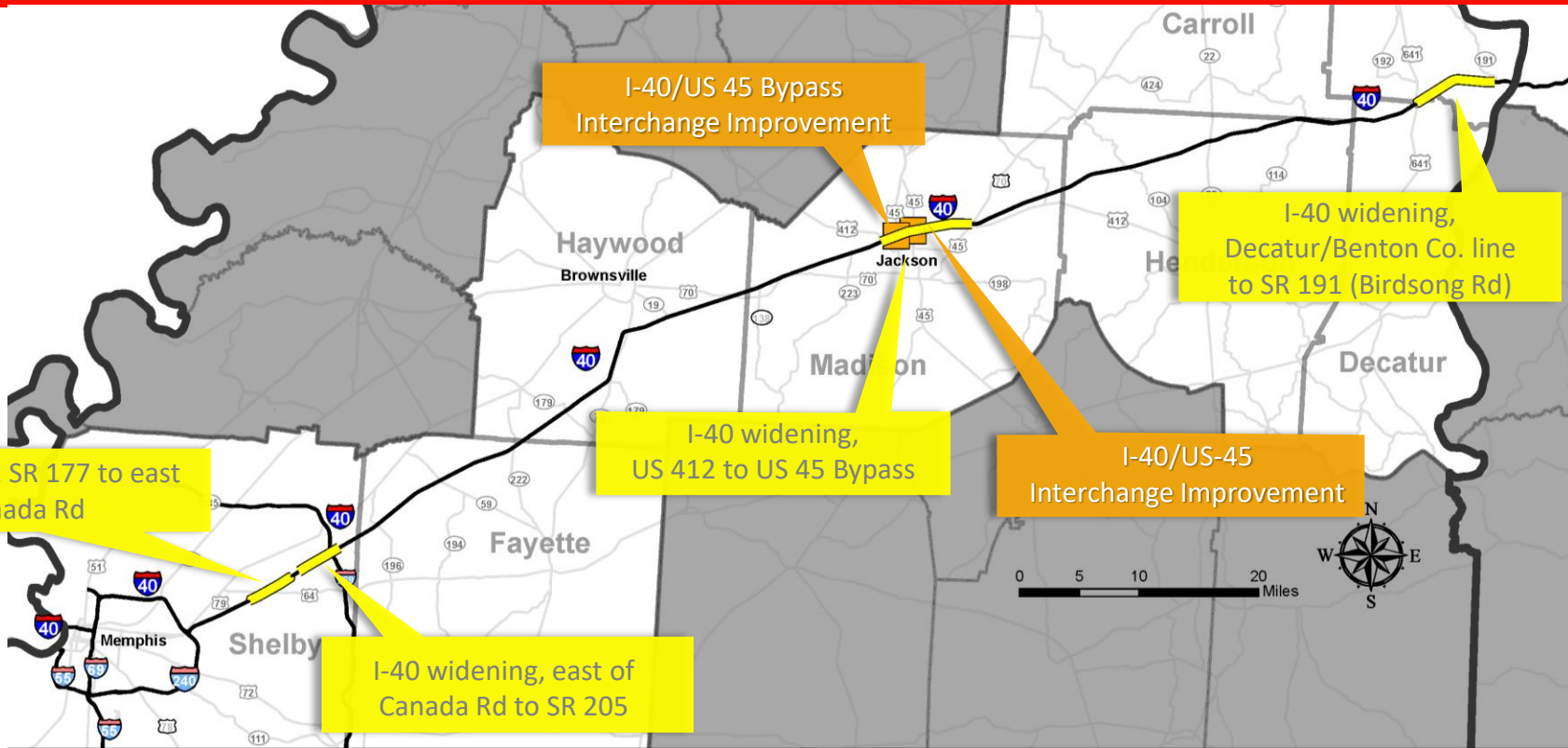
Transportation Systems Management & Operations

Freight

Transit



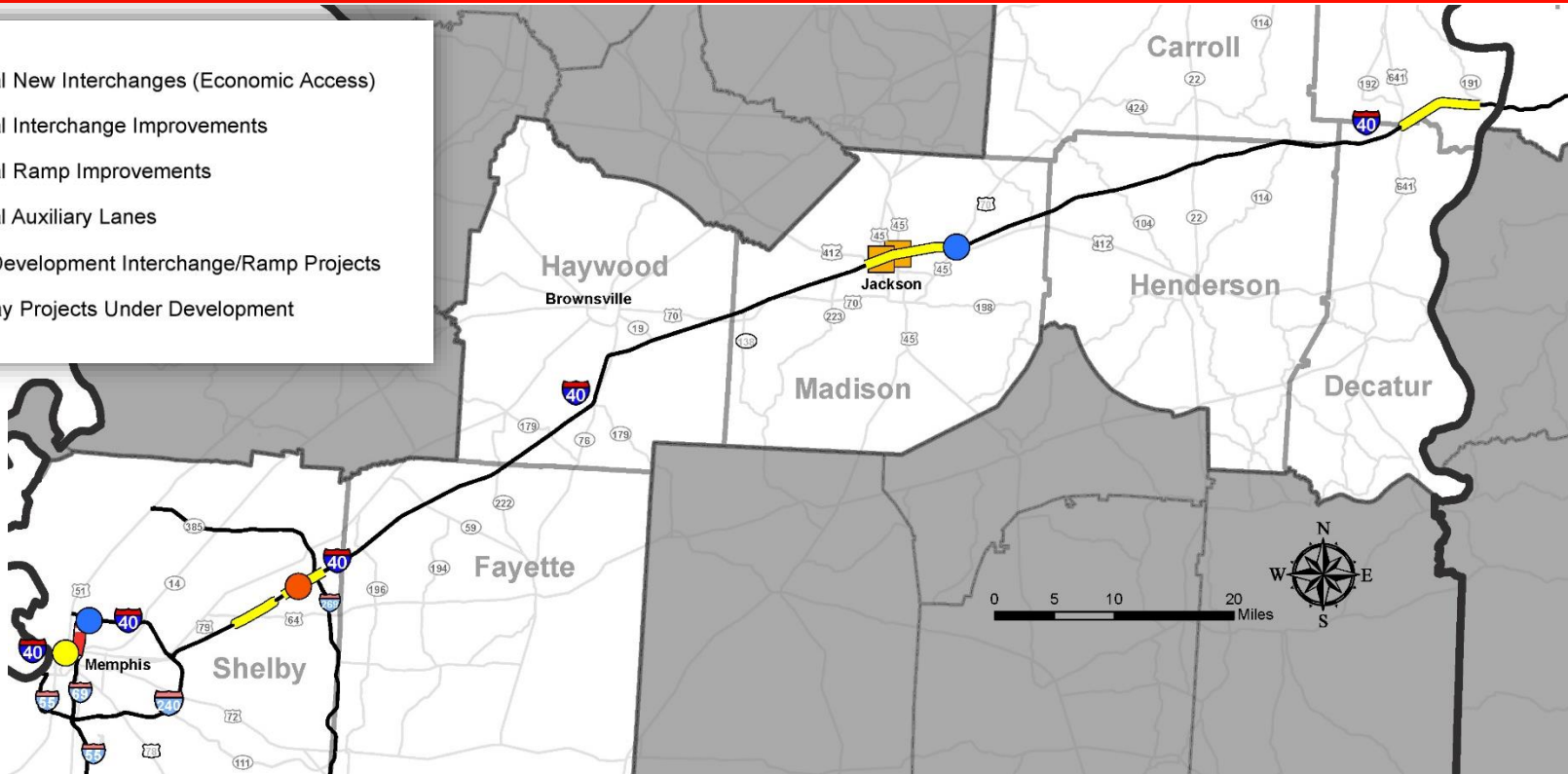
I-40 PROJECTS IN THE IMPROVE ACT



RECOMMENDED HIGHWAY IMPROVEMENTS



- Potential New Interchanges (Economic Access)
- Potential Interchange Improvements
- Potential Ramp Improvements
- Potential Auxiliary Lanes
- Under Development Interchange/Ramp Projects
- Roadway Projects Under Development



RECOMMENDED HIGHWAY IMPROVEMENTS

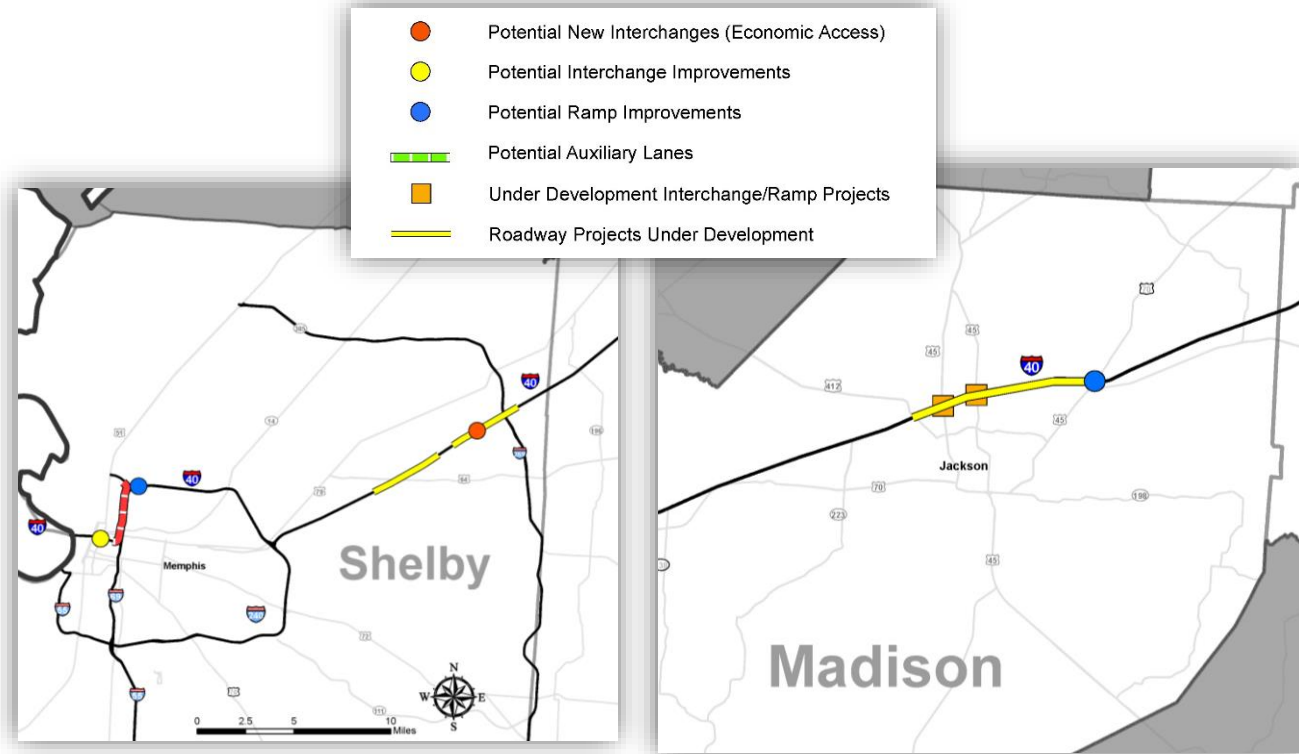


Jackson Area

- Ramp improvement at Exit 87 (US 412, Hollywood Dr)

Memphis area

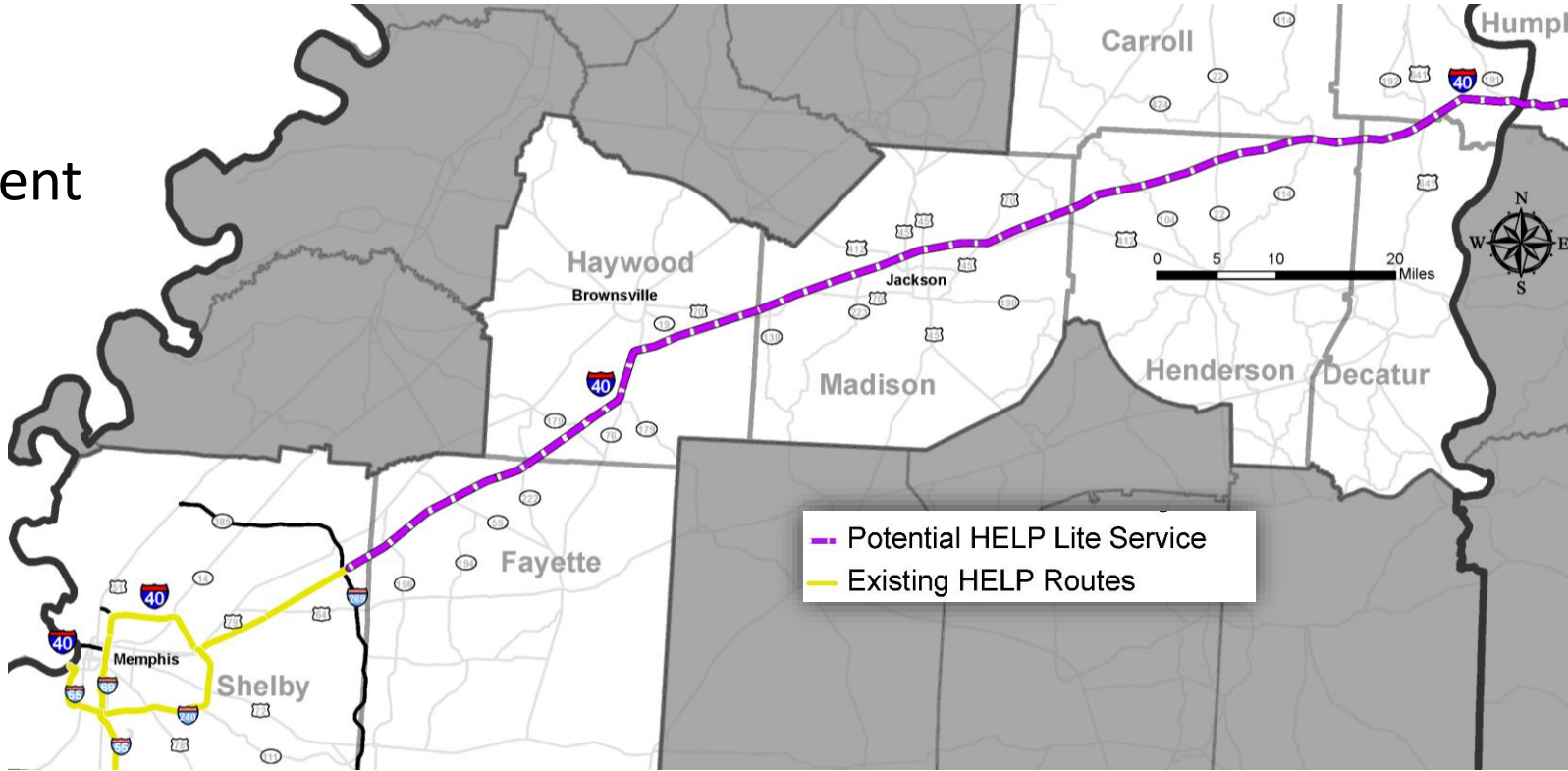
- Widen I-40 from Exit 1E (I-240) to Exit 2A (SR 300)
- Add collector-distributor road for westbound exiting traffic to US 51 (Danny Thomas Blvd) and 2nd Ave
- Reconfigure ramp at Exit 3 with intersection of North Watkins St and Overton Crossing St
- New interchange at Chambers Chapel Road



RECOMMENDED SAFETY IMPROVEMENTS



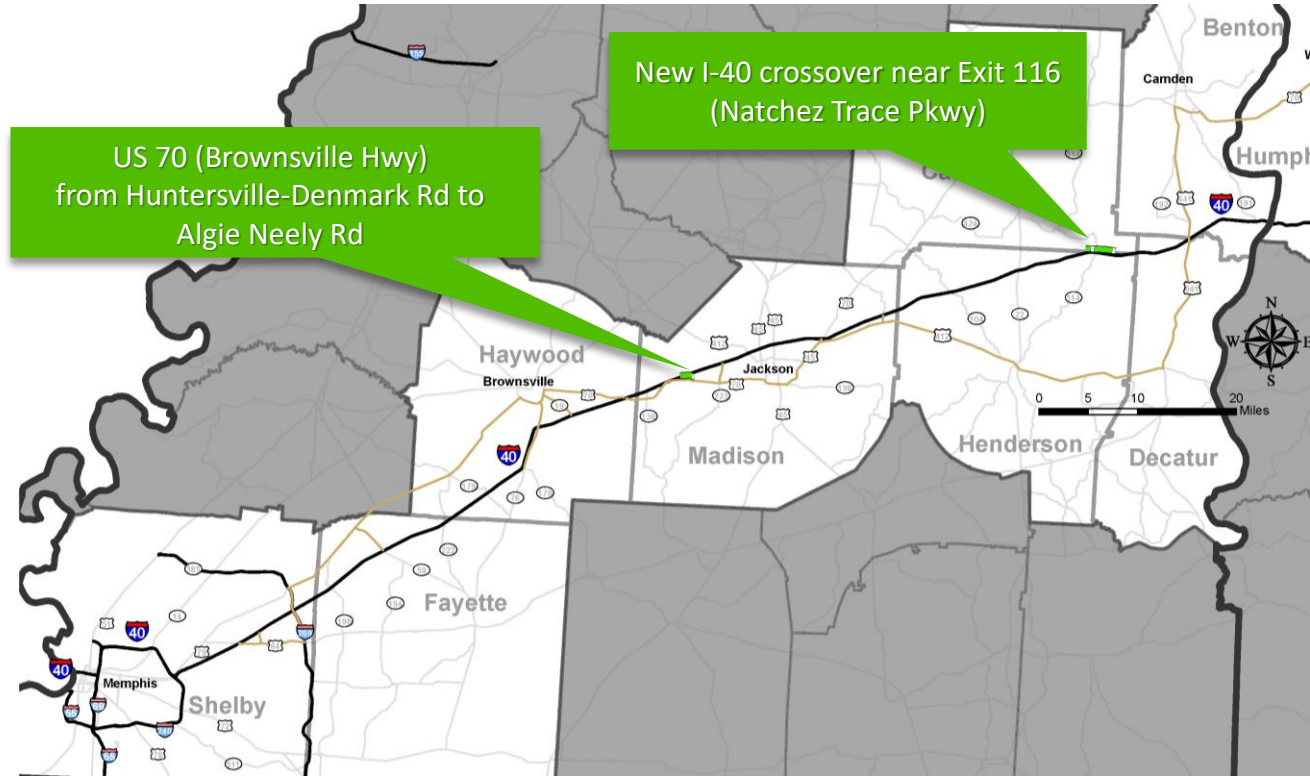
Incident Management



RECOMMENDED SAFETY IMPROVEMENTS



- Improvements to I-40 itself
- Improvements to routes designated for use as I-40 detours



TSMO

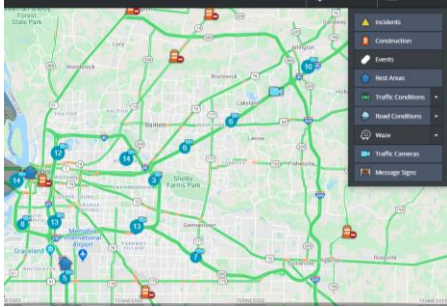
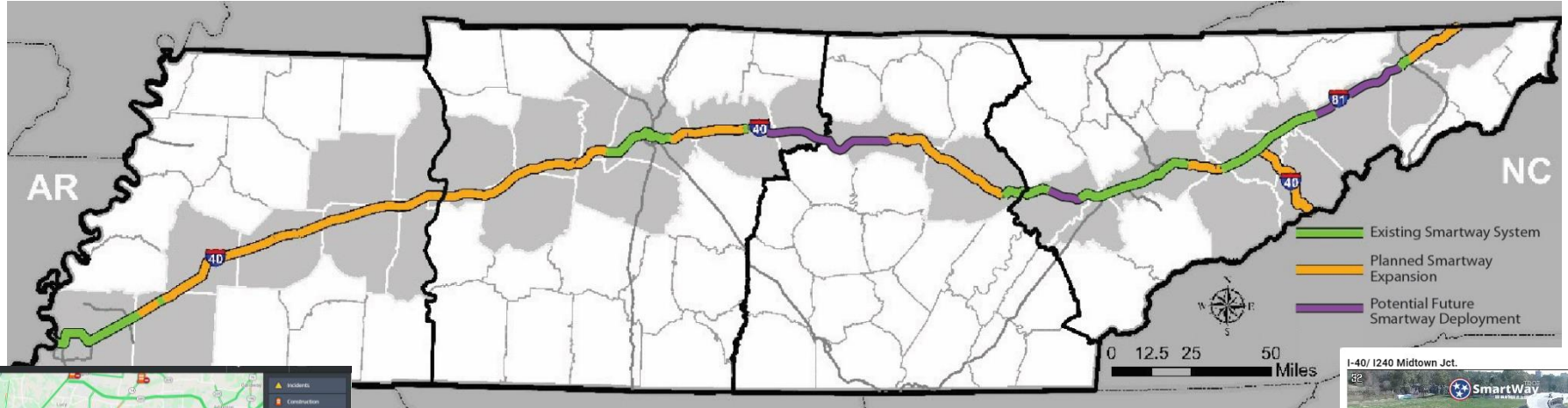
- Management of transportation facilities with strategies to maximize their existing efficiency
- Often involves technology – but not always
- Can delay the need to physically expand the facility

Examples of TSMO strategies:

- ✓ Real-time traveler information
- ✓ Integrated corridor management (ICM)
- ✓ Managed lanes
- ✓ Ramp metering



RECOMMENDED SMARTWAY EXPANSION



Smartway Expansion includes:

- Radar speed detection
- Roadway weather sensors
- CCTV cameras
- Dynamic message signs

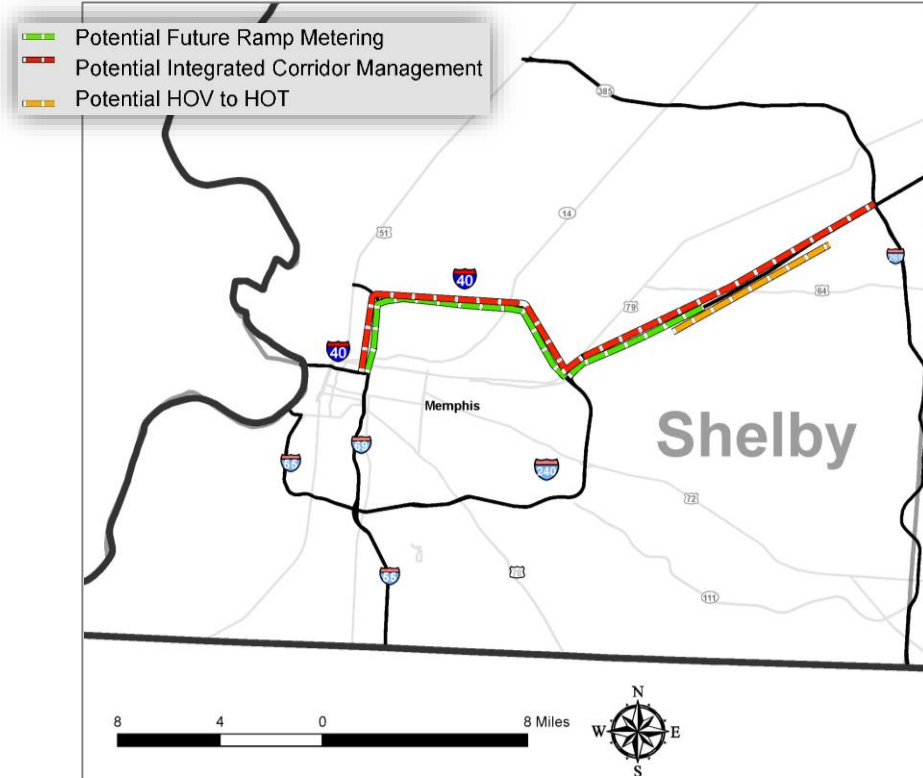


RECOMMENDED TSMO STRATEGIES

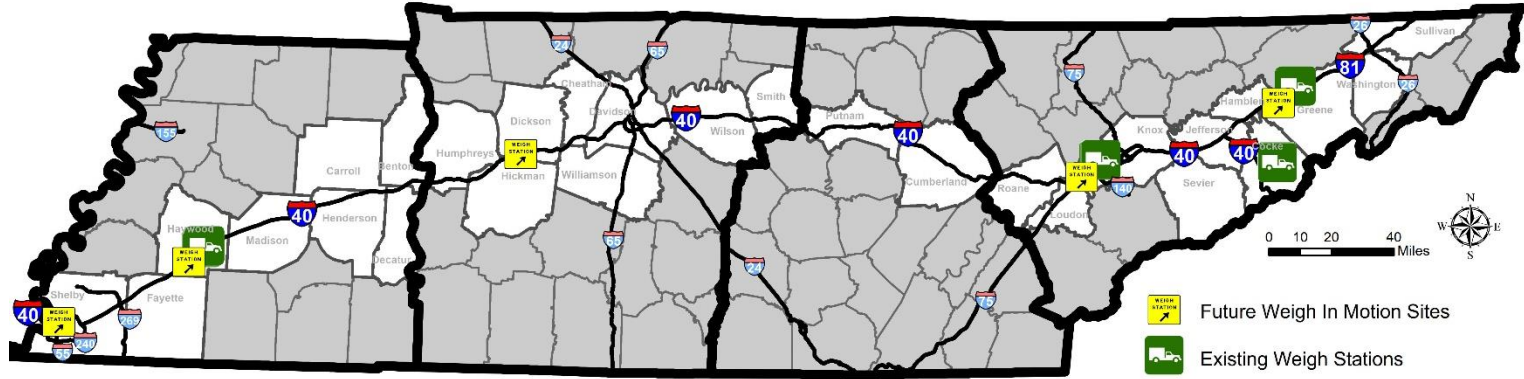


Memphis area

- Integrated Corridor Management from MM 1 to I-269 (SR 385)
- Potential conversion of HOV lane to HOT lane between MM 16 (near Sycamore View Rd) and MM 22 (near US 64)
- Potential ramp metering between Exit 1 and Exit 16 (Germantown Pkwy)



WEIGH IN MOTION TECHNOLOGY



Future Weigh in Motion sites on I-40 and I-81:

- Shelby County
- Haywood County
- Dickson County
- Knox County
- Greene County

ELECTRIC VEHICLES / ALTERNATIVE FUELS



Legend

Alternative Fuel Corridors

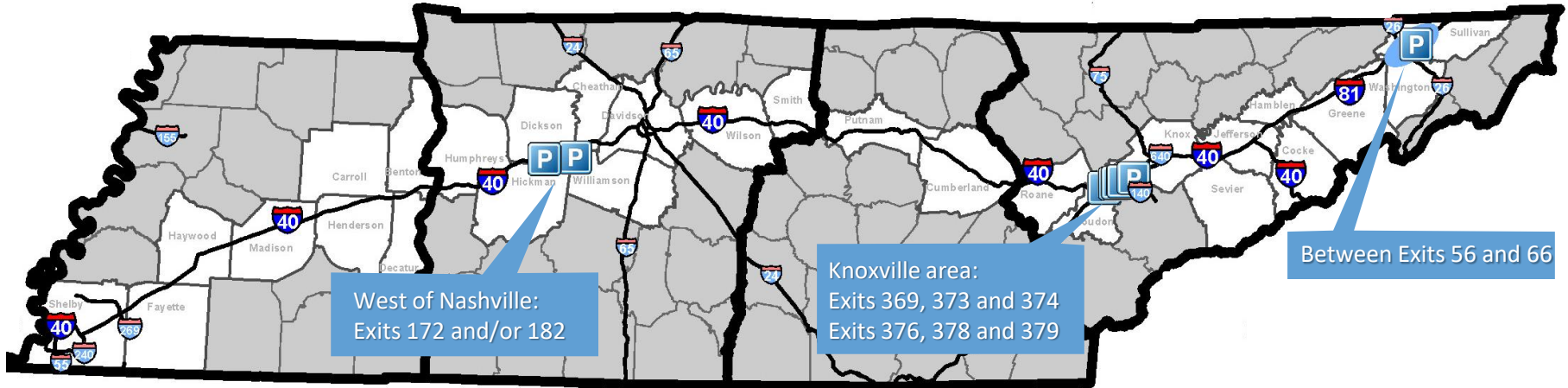
— EV Corridor Ready

— EV Corridor Pending

National EV “Corridor Ready” guidelines:

- Public DC fast charging stations at least every 50 miles
- Stations no farther than 5 miles off the corridor
- Equipped with multiple connector types

FUTURE PARK AND RIDE FACILITIES



HOW TO SHARE YOUR INPUT



Q&A session at today's virtual meeting

Visit the project website:

www.tn.gov/tdot/i-40-81-study.html

Take our survey:

<https://www.surveymonkey.com/r/l4081Study>

Contact TDOT:

Antoine Hawkins, Region 4 Planning Supv.
(901) 208-0070 or Antoine.Hawkins@tn.gov

Joan Barnfield, TDOT Project Manager
(615) 253-2418 or Joan.Barnfield@tn.gov

Send a letter to TDOT:

Attention: Joan Barnfield
TDOT Long Range Planning Division
505 Deaderick Street, Suite 900
Nashville, TN 37243-0349

DISCUSSION, QUESTIONS, COMMENTS

