Transportation Performance Measures

- Measure success in achieving goals/objectives
- Quantify effectiveness
- Track trend over time
- Identify areas for focused improvement
- Basis for project selection evaluation criteria
## MORPC’s History of Transportation Performance Measures

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>MORPC develops first measures and targets as part of 2012-2035 MTP</td>
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<tr>
<td>2012</td>
<td>Performance measurement requirements in Federal transportation legislation (MAP-21)</td>
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<tr>
<td>2016</td>
<td>MORPC revises measures and targets with adoption of 2016-2040 MTP</td>
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<tr>
<td>2016 - Present</td>
<td>FHWA publishes national performance measurement rules</td>
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<tr>
<td></td>
<td>• Methodology</td>
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<tr>
<td></td>
<td>• Target-setting</td>
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<td></td>
<td>• Inter-agency coordination</td>
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MORPC 2016-2040 MTP
Transportation Performance Measures

- MPO Planning Area
- Variety of Measures Aligned with MTP Goals
- Generally Arterials and above & All Modes
- 2020 and 2040 Targets
- Report Progress Annually
National Transportation Performance Measures

• Three Areas
  • Safety
  • Infrastructure:
    • Pavement and bridge conditions
  • System Performance:
    • Travel Time Reliability; Freight Reliability, CMAQ Traffic Congestion, and CMAQ Emission Reduction

• Applicability:
  • Urbanized Area and/or MPA
  • NHS and/or all public roadways

• Target Setting:
  • 2- and/or 4-year targets
National Transportation Performance Measures

Safety

- Five Measures
  - # fatalities, # serious injuries, fatality rate, serious injury rate, # non-motorized fatalities and serious injuries

- Similar to and coordinated with the long standing Highway Safety Improvement Program (HSIP) requirements by FHWA of ODOT

- The 2016-2040 MTP included benchmarks and targets for the five metrics.

- 2017 – ODOT set target based on 1% annual crash reduction
  - January 2018 MORPC supported ODOT target as they are inline with the 2016-2040 MTP targets
  - MORPC to revisit during MTP development in Fall 2018
National Transportation Performance Measures

Pavement and bridge conditions

• Six measures
  • % of interstate pavement in good condition & % in poor condition
  • % of non-interstate NHS pavement in good condition & % in poor condition
  • % of NHS bridges in good condition & % in poor condition
• Similar to ODOT long standing practice of established goals for pavement rating and bridge conditions
• Similar to 2016-2040 MTP metrics
• ODOT to establish statewide targets in May
• MORPC to establish MPO targets in November
National Transportation Performance Measures
Travel Time Reliability; Freight Travel Time Reliability; CMAQ Traffic Congestion, and CMAQ Emission Reductions

• Eight measures
  • Percent non-Single Occupancy Vehicle (Non-SOV)
  • Person Hours of Excessive Delay (PHED)
  • Interstate and Non- Interstate Travel Time Reliability
  • Freight Travel Time Reliability
  • Total CMAQ Emission Reduction:
    • Volatile Organic Compounds (VOCs - MORPC Applicable)
    • Nitrous Oxides (NOxs - MORPC Applicable)
    • Particulate Matter at 2.5 Micrometers (PM2.5 – NA to MORPC)

• ODOT currently has nothing similar
• 2016-2040 MTP has one akin to Non-SOV and one similar to Travel Time Reliability
• Currently coordinating with ODOT on methodology and target setting
• ODOT to establish statewide targets in May (urban area targets for Non-SOV and PHED)
• MORPC to establish targets in November
National Transportation Performance Measures

Related Items

• NHS Asset Management Plan
• Transit Asset Management Plan
• System Performance Report
• TIP/MTP Update Scheduling Requirements:
  • Safety: Required on or after May 27, 2018
  • TAM: Required on or after October 1, 2018
  • Infrastructure / System Performance: Required on or after May 20, 2019
## Plan Development Timeline - 2018

<table>
<thead>
<tr>
<th>Month</th>
<th>Action / Review Goals</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARCH</td>
<td>Info only</td>
</tr>
</tbody>
</table>
| APRIL   | PM Target Setting
Coordination with ODOT, for two National Performance Measures, begin public comment period |
| MAY     | Info only                                                                                                 |
| JUNE    | ODOT Action                                                                                               |
| JULY    | Info only                                                                                                 |
| AUGUST  | Plan Development Staff work on goals, objectives, measures, targets, & population and employment growth projections |
| SEPT    | Adopt Goals
Objectives, Measures, Targets Review Land Use, begin comment period                                     |
| OCTOBER | Objectives, Measures, Targets Begin comment period                                                        |
| NOV     | Action                                                                                                    |
| DEC     | Land Use Population & Employment Growth Projections                                                      |

**NOTE:** Targets will reflect:
- National required measures which generally apply to just the NHS system
- Measures for additional facilities such as collectors and arterials as appropriate
- Measures for all modes
Plan Development Timeline – 2019-2020

2019

- **January**: Info only
- **February**: No meeting
- **March**: Compile candidate strategies & projects
- **April**: Info only
- **May**: Strategy Development & Project Evaluation
- **June**: Info only
- **July**: No Meeting
- **August**: Info Only
- **September**: Draft Strategies & Projects List
- **October-December**: Info Only

**2019 Specifics**

- **January**: Compile candidate strategies & projects
- **February**: No meeting
- **March**: Compile candidate strategies & projects
- **April**: Strategy Development & Project Evaluation
- **May**: Strategy Development & Project Evaluation
- **June**: Strategy Development & Project Evaluation
- **July**: Strategy Development & Project Evaluation
- **August**: Strategy Development & Project Evaluation
- **September**: Strategy Development & Project Evaluation
- **October-December**: Strategy Development & Project Evaluation

2020

- **January**: Info only
- **February**: No meeting
- **March**: Draft MTP Public comment period
- **April**: Info only
- **May**: Plan Adoption May 2020
- **June**: Info only
- **July**: Draft full MTP Document Fiscal balance, impact analyses
- **August**: Info Only
- **September**: Draft MTP Public comment period
- **October-December**: Community Presentations Seek public comments

**2020 Specifics**

- **January**: Draft MTP Public comment period
- **February**: Info only
- **March**: Draft MTP Public comment period
- **April**: Info only
- **May**: Plan Adoption May 2020
- **June**: Info only
- **July**: Draft full MTP Document Fiscal balance, impact analyses
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