

MAP-21/FAST ACT REGIONAL PERFORMANCE MEASURES AND TARGETS

Presented by: Keith Nichols, PE
HRTPO Board Meeting
October 18, 2018

- The Moving Ahead for Progress in the 21st Century (MAP-21) surface transportation legislation established a performance- and outcome-based program.
- As part of this program, MAP-21 (and the FAST Act) require that States and Metropolitan Planning Organizations (MPOs) **prepare and use a set of federally-established performance measures.**
- States and MPOs must also **set targets and monitor progress** for each of these performance measures.
- HRTPO staff has worked with the TTAC to produce recommended targets.

MPO Measures

| Area | Measures | Initial MPO Target Deadline |
|---------------------|--|--|
| Safety | Fatalities | 2/27/18 (HRTPO Board Approval 2/15/18) |
| | Fatality Rate | |
| | Serious Injuries | |
| | Serious Injury Rate | |
| | Bike/Pedestrian Fatalities & Serious Injuries | |
| Transit | Transit Asset Management | 10/1/18 (HRTPO Board Approval 8/29/18) |
| Pavement Condition | % Interstate System pavement in good condition | 11/14/18 |
| | % Interstate System pavement in poor condition | |
| | % Non-Interstate System NHS pavement in good condition | |
| | % Non-Interstate System NHS pavement in poor condition | |
| Bridge Condition | % NHS bridge deck area in good condition | 11/14/18 |
| | % NHS bridge deck area in poor condition | |
| Roadway Performance | Interstate Travel Time Reliability | 11/14/18 |
| | Non-Interstate NHS Travel Time Reliability | |
| Freight | Truck Travel Time Reliability Index | 11/14/18 |
| CMAQ | N/A for Attainment areas | N/A |

- For target setting, the MPO may:
 - **Adopt VDOT/CTB statewide targets**, but report metrics specific to the Metropolitan Planning Area (MPA)
 - Select **unique, MPO specific targets**, and report metrics specific to the MPA
 - **Use a combination** of statewide and unique targets
- There are no “penalties” for MPOs for not meeting their performance targets, although it can be addressed during the quadrennial certification review **to ensure adequate performance-based planning.**

- The TTAC formed a working group comprised of locality, HRT, and VDOT Hampton Roads District staff to recommend regional targets for the TTAC to consider.
- The TTAC approved the working group's recommendations at their October 3rd meeting.

Recommended Targets

| Area | Measures | HRTPO Current Value | TTAC Recommended 4-Year Target | Basis of Target |
|---------------------|--|---------------------|--------------------------------|--|
| Pavement Condition | % Interstate System pavement in good condition | 46.9% | 45% | Matches CTB-approved statewide target |
| | % Interstate System pavement in poor condition | 0.9% | < 3% | Matches CTB-approved statewide target |
| | % Non-Interstate System NHS pavement in good condition | 8.2% | 25% | Matches CTB-approved statewide target |
| | % Non-Interstate System NHS pavement in poor condition | 7.5% | < 5% | Matches CTB-approved statewide target |
| Bridge Condition | % National Highway System (NHS) bridge deck area in good condition | 20% | 20% | Matches current regional value |
| | % NHS bridge deck area in poor condition | 4.0% | < 3.0% | Matches CTB-approved statewide target |
| Roadway Performance | Interstate Travel Time Reliability | 86.1% | 82% | Matches CTB-approved statewide target |
| | Non-Interstate NHS Travel Time Reliability | 90.0% | 82.5% | Matches CTB-approved statewide target |
| Freight | Truck Travel Time Reliability (TTTR) Index | 2.05 | 2.13 | Matches expected statewide growth rate in TTTR |

Recommended Action

- Recommend TPO Board approval of the following regional targets under Consent Agenda Item #20-H:

| Area | Measures | Recommended 4-Year Target | Basis of Target |
|---------------------|--|---------------------------|--|
| Pavement Condition | % Interstate System pavement in good condition | 45% | Matches CTB-approved statewide target |
| | % Interstate System pavement in poor condition | < 3% | Matches CTB-approved statewide target |
| | % Non-Interstate System NHS pavement in good condition | 25% | Matches CTB-approved statewide target |
| | % Non-Interstate System NHS pavement in poor condition | < 5% | Matches CTB-approved statewide target |
| Bridge Condition | % National Highway System (NHS) bridge deck area in good condition | 20% | Matches current regional value |
| | % NHS bridge deck area in poor condition | < 3.0% | Matches CTB-approved statewide target |
| Roadway Performance | Interstate Travel Time Reliability | 82% | Matches CTB-approved statewide target |
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