

Revisions to the NHS and Principal Arterial Network in the MAG region



Transportation Review Committee
January 24, 2013

Item #9

MAP-21

- Moving Ahead for Progress in the 21st Century Act (MAP-21) created a new funding source - National Highway Performance Program (NHPP) - by combining National Highway System, Interstate Maintenance and part of Bridge funding.
- Projects for this funding source are to be selected by State Transportation Agencies (e.g. ADOT) and to be located on the National Highway System.
- MAP-21 expands the National Highway System (NHS) to incorporate principal arterials not included prior to authorization.
- In Maricopa County, this expansion automatically added approximately 850 centerline miles to the NHS for a total increase of 137 %. At the State level, the increase of 1,348 miles represents a 48.5 % increase.

- The amount of NHPP funding did not significantly increase above the funding sources it replaced and the majority of funding sources were already committed for Arizona's State Highway System.
- With the large increase in the additional centerline miles of principal arterials, it is likely that the state will have very limited funding available to implement improvements, address new performance measures and additional MAP-21 NHS facility requirements.
- Federal regulations do provide for the removal of routes from the NHS.

NHS REQUIREMENTS AND FEDERAL OVERSIGHT

- Federal Design standards and exceptions
- Crash worthy road hardware
- Independent quality assurance program
- Materials certification
- Value engineering
- General warranties
- Outdoor sign control and
- Junkyard control
- Meet standards for pavement and bridges
- Adhere to Performance Measures, meet Targets
- And more

NHS REQUIREMENTS AND FEDERAL OVERSIGHT

- Failure to comply with these requirements will make the facility ineligible for future federal transportation funding. (Including STP and CMAQ).
- Violation of requirements for outdoor sign and junkyard control can result in the loss of up to ten percent of federal transportation funding received by a state.
- All NHS facilities need to be included in the performance measures and performance targets to be established for maintaining the system.
- NHPP also requires states to develop and adhere to a risk-based performance based asset management plan for preserving and improving the NHS. Penalty for failure to comply is a reduced Federal NHPP share.

PROPOSAL



- MAG ADOT and FHWA staff have worked together to identify only critical facilities to be kept on the NHS, requesting to remove the principal arterials from the NHS that are not critical to the nation's economy and defense.

ACTION



- Approve the changes to the National Highway System as identified in the enclosed materials.

Contact information:

- FHWA: Current MAP-21 presentations
<http://www.fhwa.dot.gov/map21/presentations.cfm>
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