

Highway Performance Monitoring Program (HPMS)

Maricopa Association of Governments

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MAG Street Committee

Agenda Item # 9

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Purpose

- The purpose of this presentation is
 - To give member agencies some basic background about Highway Performance Management System (HPMS)
 - To give member agencies a heads up that ADOT/MAG will be collecting data that is needed.

Uses of HPMS

- HPMS is the primary database used by the FHWA to maintain and report on the Nation's transportation system.
 - Provides data for reports to Congress
 - In the past, data from HPMS was used in funding formulas
 - VMT in HPMS is used by EPA for air quality
 - Expected in the future to house data for FHWA performance measures – e.g. Asset Management System



Roles and Responsibilities

- The State DOT – ADOT – is responsible for maintaining HPMS and does receive funding for data collection.
- Nonetheless, most roadways are owned by member agencies and ADOT is dependent on member agencies for providing data, so **we encourage members to provide information that is available to them.**

Data Items - AADT

- Average Annual Daily Traffic (AADT) by segment is required on a three year basis for all roadways classified by FHWA as major collector or above.
- MAG conducts a traffic count program and provides traffic count data via its traffic count web portal.
- We suggest that member agencies provide traffic count data through the web portal indicating the member providing the data and all metadata needed to interpret the count. (link to come)

Data Items - IRI

- International Roughness Index (IRI) is a pavement measure required of all National Highway System roadways on an annual basis and all principal arterials on a two year reporting cycle.
- Only Phoenix and MCDOT have the equipment to collect this data and MAG obtains this data from them for ADOT.
- If member agencies have conducted a recent study where IRI data has been collected we would like to obtain a copy for ADOT.

Data Items – Other

- ADOT also collects for HPMS data for a number of items on roadway features such as ownership, number of through lanes, surface type, etc.
- MCDOT has partnered with ADOT to provide this data through their GIS. **We encourage member agencies to work with ADOT to develop a link.**
- ADOT does provide through MAG a spreadsheet to update information. MAG will send the spreadsheet when we receive it.

Schedule

- January – MAG will request IRI data from MAG member agencies.
- February – MAG will distribute a data table for member agencies to update.
- March – data collections should be complete and transmitted to ADOT.



Action

- For information and discussion.

Thank you

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