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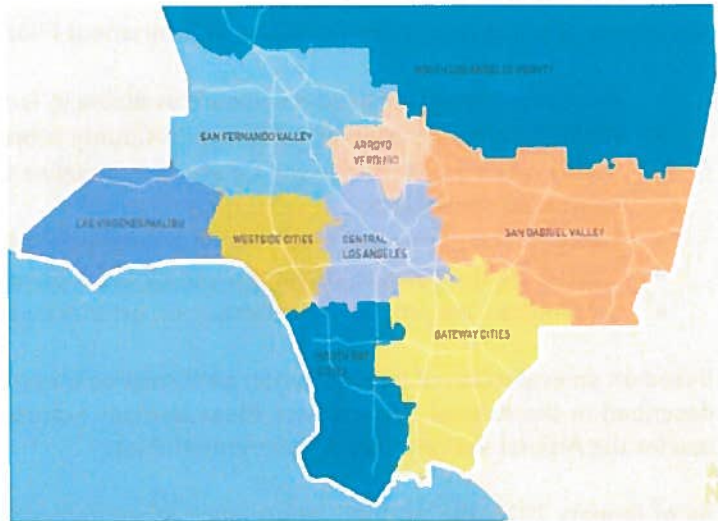
MEASURE UP

ARTERIAL PERFORMANCE MEASUREMENT PILOT

Project Fact Sheet

Background

Over the years, the Los Angeles County Metropolitan Transportation Authority (Metro) has been closely collaborating with its local partner agencies to implement a wide range of arterial improvements including signal synchronization, ITS investments, and bus speed improvements to improve mobility and reliability in the County. Understanding how well a transportation system performs would greatly help target the right projects to address local and regional mobility and reliability needs.



In 2014, Metro conducted the Arterial Performance Measurement Framework initiative to assess the feasibility of developing a countywide Arterial Performance Measurement Program. The study demonstrated that the concept of a countywide Arterial Performance Measurement Program is feasible. To further provide a proof of concept, the Arterial Performance Measurement Pilot was initiated in 2017 to test a vendor analytical package within a subregion of Los Angeles County (LA County).

Arterial Performance Measurement Pilot

The Arterial Performance Measurement Pilot will test the effectiveness of a performance monitoring analytical package for LA County's complex arterial and highway system. The purpose of this pilot is to evaluate an analytics package that could best serve LA County and its subregions. The objectives of this Pilot Project are to:

- Evaluate and test an Arterial Performance Monitoring Tool to assess arterial network performance.
- Conduct a pilot test based on a subregion in LA County.
- Utilize comprehensive arterial volume and travel time data.
- Collect user group input and assessments.
- Demonstrate applicability for other subregions.





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Using a combination of recent third party speed data and volume data collected as part of the Countywide Baseline Conditions project, the Pilot Project will evaluate the performance of arterials using metrics described in Arterial Performance Measurement Program. Performance measures will include average speeds and travel times, vehicle and person miles traveled, and vehicle and person hours of delay

Vendor Analytical Tool

Key elements of the Arterial Performance Measurement Pilot's vendor analytical tool includes:

- A countywide cloud-based dashboard available to local agencies.
- Ability to evaluate arterials within an LA County subregion.
- Builds on data collected in the Countywide Baseline Conditions Analysis, including traffic count and speed data.
- Allows for customizable reporting on arterial performance for a variety of metrics.
- Customizable routes to evaluate a variety of facilities and services.
- Streamlines the process for reporting on arterial performance projects.

Based on an evaluation of transportation performance measures, usability, technical and cost criteria as described in the Arterial Performance Measurement Framework, iPeMS[®] offered the most applicable use for the Arterial Performance Measurement Pilot.

As of January 2018, the Arterial Performance Measurement Pilot analytical tool is available for public agencies to demonstrate and use. To access the analytical tool, please go to the following link:

<http://lametro.iteris-pems.com/>

Create an account using your agency email address. Account applications submitted with a pre-authorized agency e-mail will receive an automated account approval message within a few minutes. All other applications are reviewed within 1-2 business days by project personnel.

Project Timeline

January to December 2018

Contact Us:

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