



DATE: March 25, 2021

TO: Transportation Advisory Commission

FROM: Laura Rubio-Cornejo, Director of Transportation

SUBJECT: Performance Metrics Dashboard

A handwritten signature in black ink, appearing to be "LR", with a large, loopy flourish extending to the right.

BACKGROUND:

This report is for information only.

The Department of Transportation (DOT) monitors traffic operations through various metrics. This includes intersection monitoring as part of daily traffic signal operational modifications, before/after studies to determine effectiveness of treatments, and long term monitoring to understand the general trends in citywide traffic patterns. In an effort to make the long term monitoring data that is collected and evaluated more readily available to the public, DOT developed a Performance Metrics Dashboard that is updated quarterly with collision data and travel time data. The dashboard can be accessed at the link below.

<https://www.cityofpasadena.net/transportation/traffic-engineering-operations/#dot-performance-metrics-dashboard>

Citywide collision data provided in the Performance Metrics Dashboard is obtained from the City's RoadSafe GIS collision database system. The database includes all traffic collisions reported through the Pasadena Police Department. A summary of citywide collision data is currently provided on the dashboard from 2014 through 2020. This includes collisions by mode as well as collision severity. In addition, the dashboard provides quarterly collision data from July 1, 2018 through December 31, 2020.

Travel time data is obtained through the ClearGuide data platform, previously referred to as iPeMS. ClearGuide provides both real time and historical cloud based transportation data collected from a variety of sources including third party data providers. A quarterly summary of the historical travel time data for sixteen corridors in the City of Pasadena is provided in the Performance Metrics Dashboard, from the period July 1, 2018 – December 31, 2020. The dashboard provides the average peak period travel time per mile for each corridor by quarter, and the data is aggregated to provide an overall summary of east/west corridors and north/south corridors by quarter. The information is presented in two charts and the corridor specific values are also provided in a table.

NEXT STEPS:

As the Transportation Department continues to collect, monitor and assess various transportation metrics, the dashboard will be updated with additional data. Categories which may be added to the dashboard include traffic volume data (which is currently available to the public through a separate public facing interface and database, MS2), and transit performance data.