

# Appendix C- Existing Traffic Analysis

## Existing Traffic

The average daily traffic on Third Street varies along the length of the corridor between 19,200 and 24,700 daily vehicles. Peak period vehicle congestion is summarized in Table 1. Traffic delay is typically described in terms of Level of Service (LOS). LOS is a qualitative measure of several factors on traffic operating conditions, including speed and travel time. In both the AM and PM peak periods, Third Street's LOS is C between Fourth Street and US 101, corresponding to an average travel speed of 17-19 mph. Currently the corridor is typically congested on weekdays between the hours of 7:00 AM and 4:00 PM with the highest congestion occurring at 8:00 AM.

I.A.1. Table 1: Third Street LOS

	Avg. Travel Time (from US 101 to Fourth St)	Avg. Speed (mph)	LOS
<b>AM (2016)</b>	3:29	19	C
<b>PM (2016)</b>	3:29	17	C

Source: (Transportation Authority of Marin, 2016)

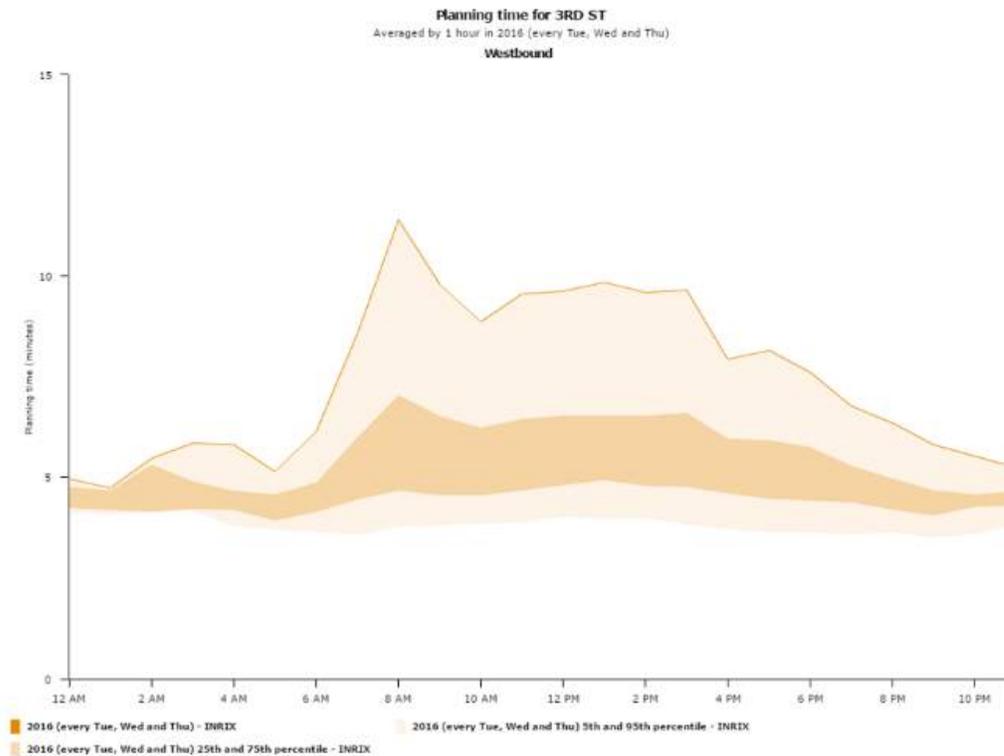


Figure C1: Vehicle Congestion

Figure 8 depicts vehicle speeds along the study corridor during the peak hours. Vehicle speeds are typically lowest between Hetherton Street and Irwin Street, with an average peak hour speed of less

than 10 mph. Third Street provides the primary vehicular access to Highway 101 for trip originating from points east. Vehicle speeds are typically higher between Miramar Avenue and A Street with vehicle speeds between 20 and 30 mph.



Figure C2: Vehicle Speeds During Peak Hours

### Reported Collisions

According to the Statewide Integrated Traffic Records System, there were 362 reported collisions along the Third Street study area between 2011 and 2016. One hundred twenty of the reported collisions were injury collisions. Walking and bicycling collisions represent 11 percent and 2 percent of collisions along the study area, respectively. The 2018 San Rafael Bicycle and Pedestrian Master Plan, 2018 Update identifies Third Street as the corridor with the greatest occurrence of pedestrian-involved collisions per mile in San Rafael, with 55 pedestrian collisions between 2009 and 2016. Third Street was also identified as having the most pedestrian collisions per individual intersection in San Rafael, specifically with the intersections in the transit zone (pedestrian collisions measured between 2009 and 2016).

Figure 9 shows the distribution of all collisions (vehicle, bicycle and pedestrian) throughout the study area with the three highest collision intersections being Third Street and Hetherton Street, Third Street and Grand Avenue, and Third Street and Lincoln Avenue. The most common type of collisions in the study area are broadside collisions, which account for 30% of all collisions, and sideswipe collisions, which account for 27% of all collisions. Both the Hetherton Avenue and Grand Avenue intersections are part of a separate study by the City.



Figure C3: Collision Types