



KNIGHTS TRAIL ROAD SPEED STUDY

08/03/2023 – 08/27/2023

SURVEY LOCATION – KNIGHTS TRAIL ROAD NORTH OF TRIPLE DIAMOND BOULEVARD – NORTH AND SOUTHBOUND



A speed trailer was placed on the East shoulder of Knights Trail Road facing northbound traffic. After at least a week of collecting data, the same speed trailer was moved to the west shoulder of Knights Trail Road facing southbound traffic.

The roadway had a posted speed limit of 45 MPH in both directions. The closest speed limit sign for northbound traffic was approximately 3,400 feet (0.64 miles) prior to the northbound speed trailer. The closest speed limit sign for southbound traffic was also approximately 3,400 feet (0.64 miles) prior to the southbound speed trailer. A temporary speed limit sign was mounted to the speed trailer for the duration of the survey.

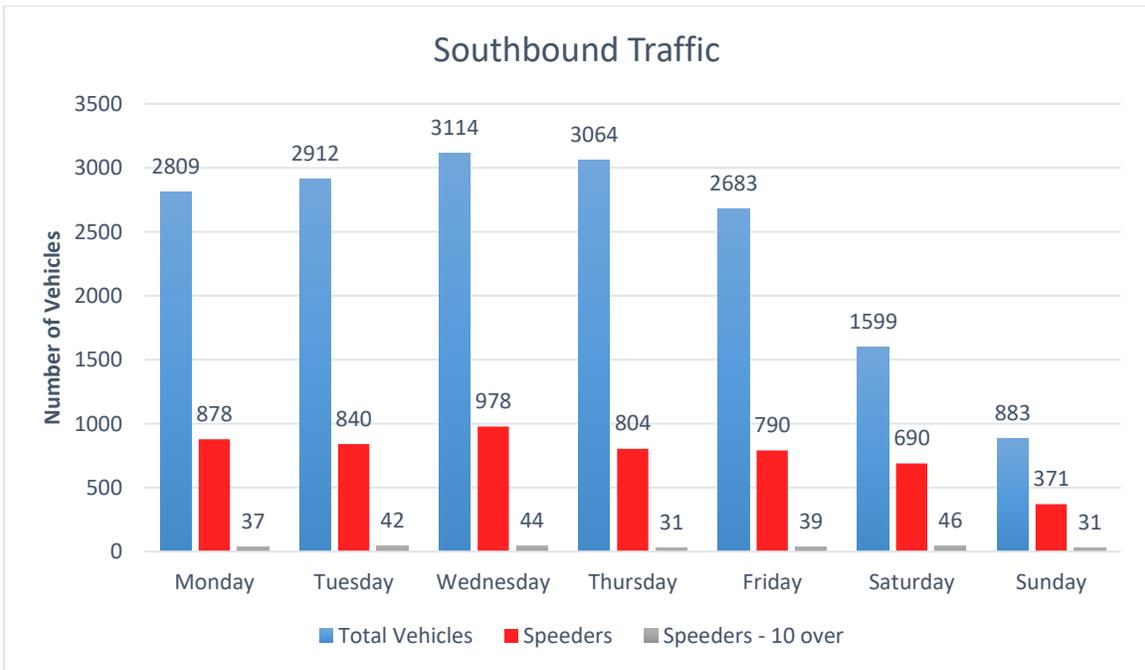
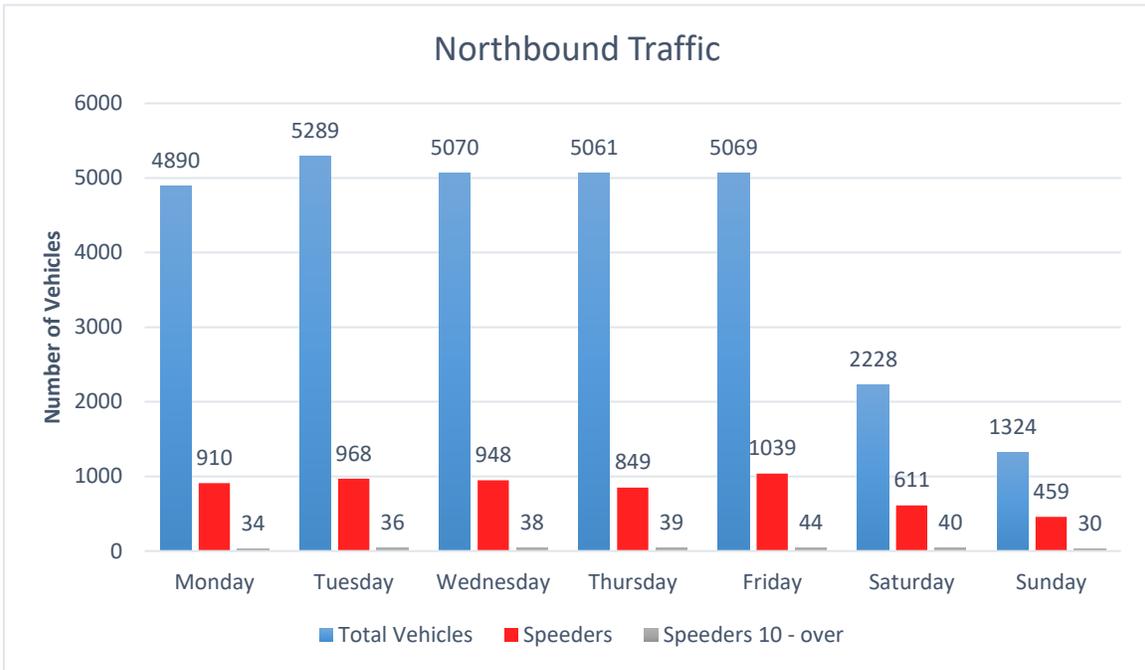
DATA COLLECTION

The speed trailer was deployed on August 2, 2023 for northbound traffic and was moved on August 20, 2023 to collect southbound traffic. It remained active 24 hours for the survey period. No issues found with data collection. The speed trailer collected and exported data through All Traffic Solution’s TraffiCloud. Due to the nearby intersection of Triple Diamond Boulevard, some slower speeds for northbound traffic were likely detected as vehicles slowed to turn. This would not have affected the higher speed/speeding vehicles regarding data collection. The slower speed vehicles would be removed in the 85th percentile data graph.

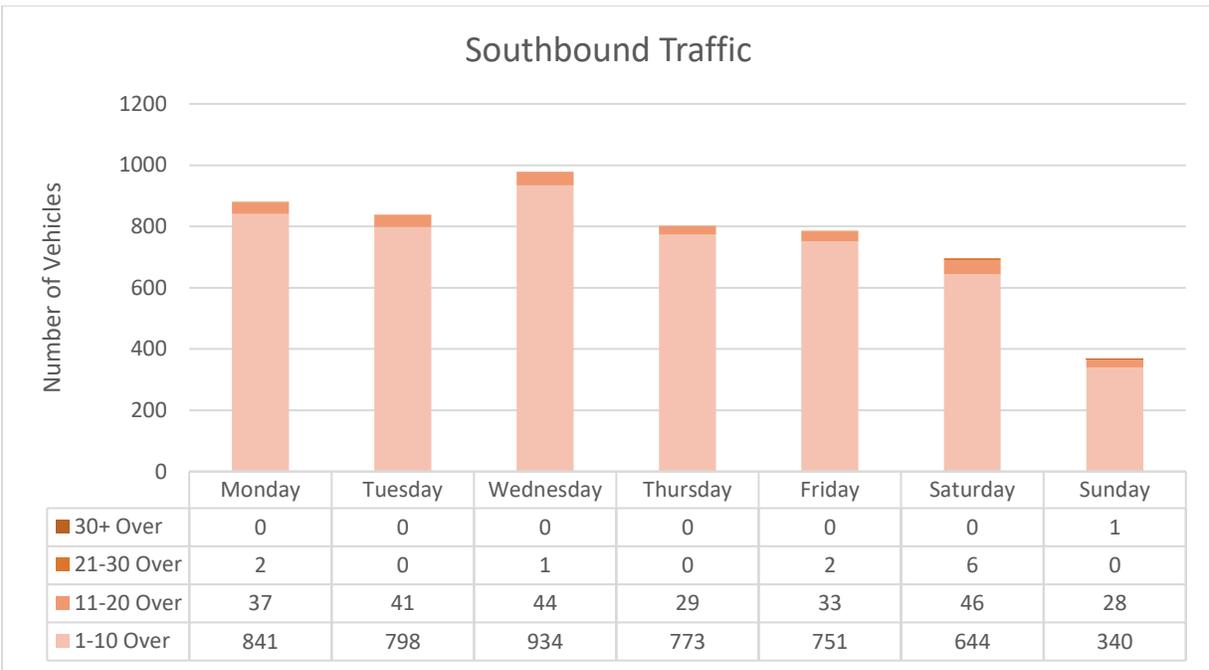
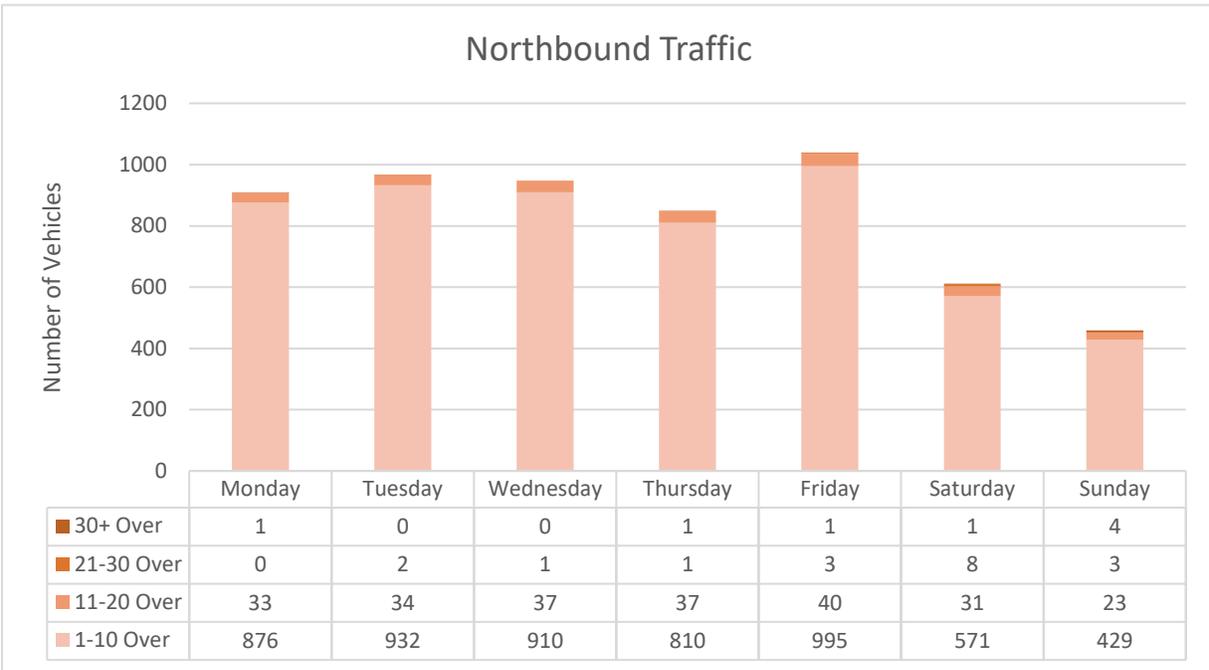
DATA SUMMARY

Over the survey period, there was an average of 3,285.3 vehicles driving on Knights Trail Road north of Triple Diamond Boulevard per day. Of the 3,285.3 vehicle average, an average of 795.3 of those vehicles were speeding over the 45 MPH limit. Of those 795.3 vehicles average, an average of 37.9 of those speeding vehicles were speeding over 10 MPH over the limit. It was found that 24.2% of vehicles were speeding while only 1.1% of vehicles were speeding 10 MPH over the limit. Over the last 12 months, there have been 5 traffic crashes reported on Knights Trail Road, none of which had speed as a significant contributing factor.

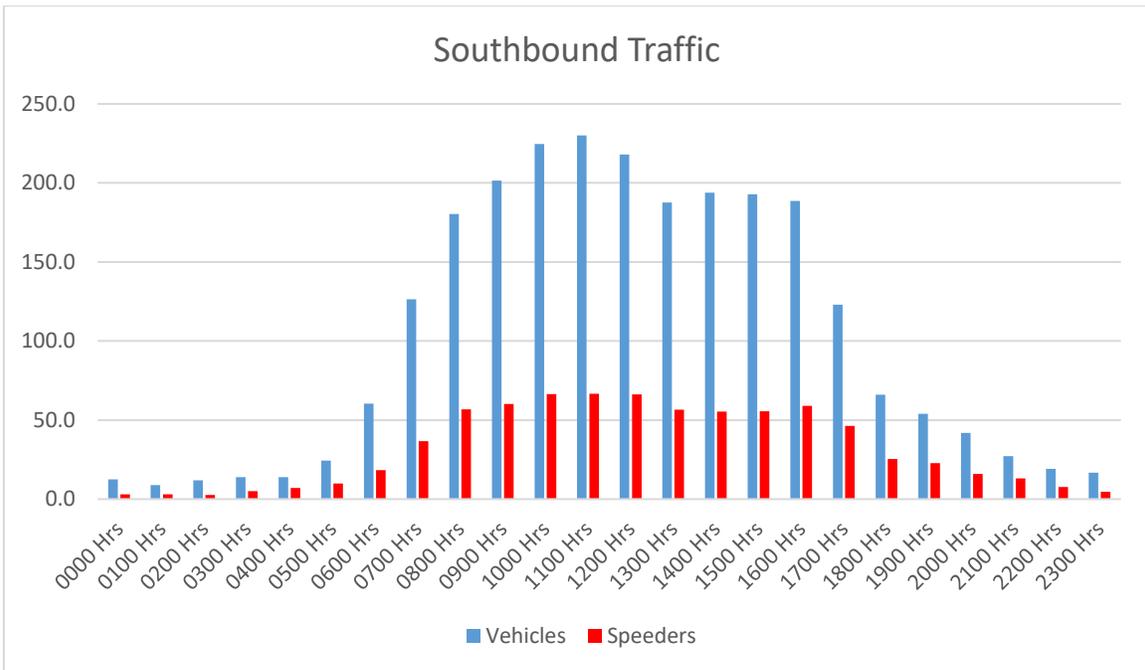
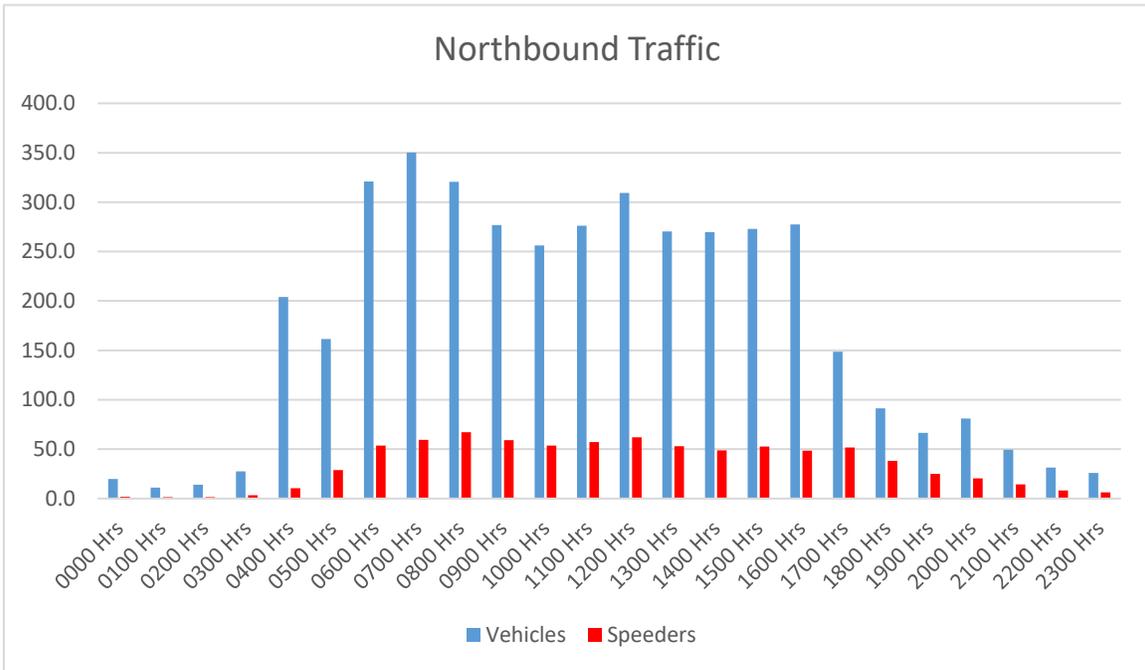
VOLUME OF SPEEDERS – AVERAGE BY DAY OF WEEK



BREAKDOWN OF SPEEDERS – AVERAGE BY DAY OF WEEK



BREAKDOWN OF SPEEDERS – AVERAGE BY TIME OF DAY



85TH PERCENTILE

