

12TH AVENUE

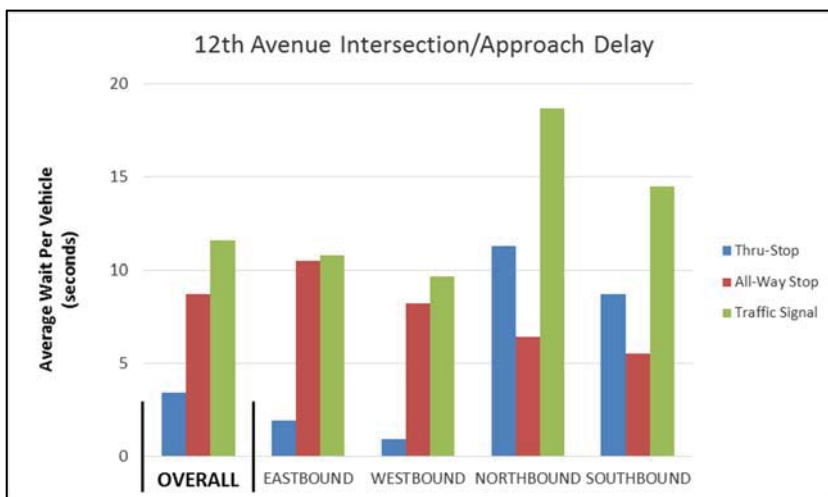
INTERSECTION ANALYSIS

Background

The intersection of Southview Boulevard and 12th Avenue is a key intersection in terms of vehicle operations, transit, pedestrians and business activity.

Traffic Operations

- Traffic signal equipment is beyond its useful life and needs major repairs.
- Current traffic volumes indicate installation of new traffic signal system not justified.
- Two traffic control alternatives were evaluated and compared to existing (traffic signal) operations. See graph below.



Traffic Control Recommendations

- Delay will be reduced by 70 – 75% overall with change in traffic control from current traffic signal condition.
- By providing stop signs only on 12th Avenue with the thru-stop control, average wait times are reduced for the large number of vehicles passing through the intersection on Southview Boulevard.
- Thru-stop is recommended as the best measure to address safety and operations for all users at this location.

Safety

- The collision history shows 9 crashes at intersection between 2010 – 2012.
- Types of crashes that occurred are consistent with those typically found at signalized intersections.
- Thru-stop traffic control (recommended) crash rate is approximately 50% less than a signal along the Southview Blvd Corridor.

QUICK FACTS

- INSTALLATION OF NEW TRAFFIC SIGNAL NOT JUSTIFIED
- THRU-STOP TRAFFIC CONTROL IS RECOMMENDED
- 70-75% LESS OVERALL INTERSECTION DELAY ANTICIPATED
- CRASH REDUCTION OF 50% WITH A THRU-STOP COMPARED TO A SIGNALIZED INTERSECTION
- PROPOSED THRU-STOP WILL ADDRESS SAFETY AND MOBILITY ISSUES



Thru-stop (side street stop) control is recommended