

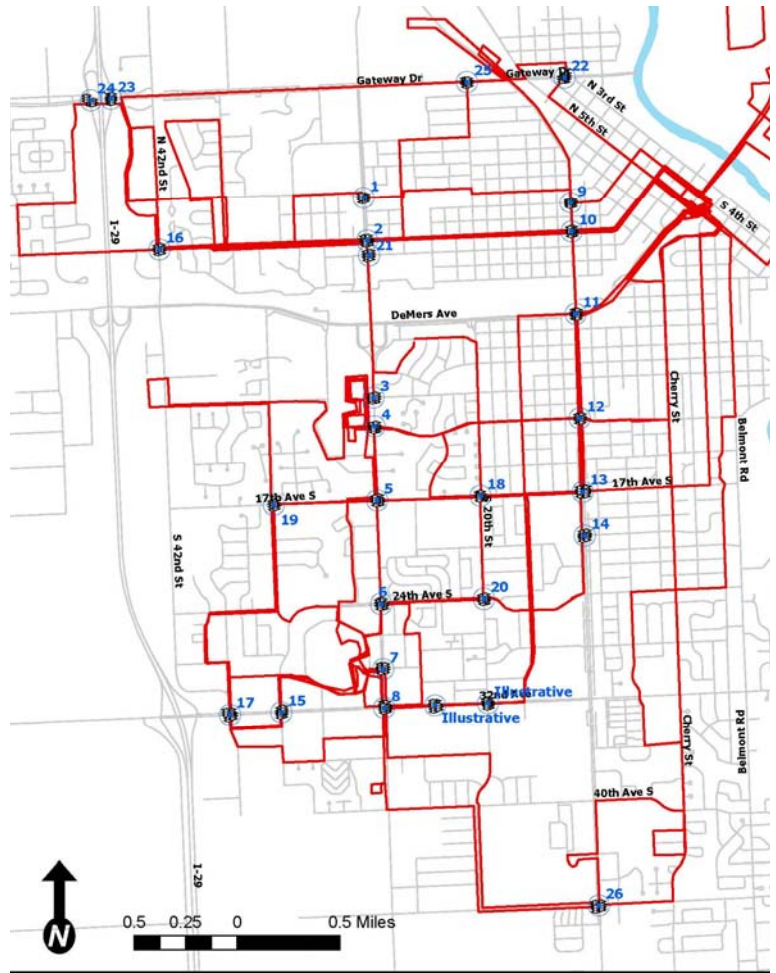
# What is Transit Signal Priority (TSP)?

Improving the reliability of transit system performance while providing good service to the motoring public.



TSP (Transit Signal Priority) uses GPS technology to determine the location and speed of transit vehicles. This information is broadcast to traffic signals equipped with special equipment. The traffic signal uses this information to determine how to adjust green and red times to better service the transit vehicle. The traffic signal also makes sure that it stays in coordination with other signals to minimize the impact TSP has on other vehicles using the roadway.

TSP equipment installed at 28 intersections.



TSP Objectives:

- Improve schedule adherence
- Reduce running time

The transit vehicle benefits by automatically adjusting the signal timing through:

- Green Extension – granting extra green time for a transit vehicle so the vehicle can safely pass through a traffic signal that is about to turn red.
- Red Truncation – shortening other signal phases so that a transit vehicle receives a green light sooner than it normally would.

