Active Transit Signal Priority (TSP) tools use communication technologies to prioritize transit vehicles at traffic signals by modifying signal timing or phasing. TSP can be deployed in different configurations; for instance, TSP might be applied to all transit vehicles or to only those behind schedule. (NACTO)

**TSP Implementation Considerations** (NACTO)
- TSP can be especially effective on corridor streets with long signal cycles.
- Intersections that favor the cross street to transit routes can provide outsized benefits.
- Active TSP requires coordination between agencies responsible for traffic signals and transit vehicle operation. Operational coordination may be accomplished by long-term agreements, which also can extend to purchase, installation, and maintenance of technology units.

A TSP system in Utah **reduced late arrivals by 40 percent**
Sources: USDOT-FHWA (2018)

A TSP project in San Antonio **reduced travel times by 15 to 20 percent**.
Source: Metro Magazine (2013)

Highlighted ITS Benefits
Visit ITS Benefits Database: [www.itskrs.its.dot.gov/benefits](http://www.itskrs.its.dot.gov/benefits)