



Transit Signal Priority



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 \(2013\)](#)

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.



Source: iStock

Highlighted ITS Benefits

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