



CMF / CRF Details

CMF ID: 10557

Implement transit signal priority

Description: Transit signal priority (TSP) is a type of transit preferential treatment implemented at signalized intersections to reduce (bus or urban rail) transit delays by providing extended or early green time 3 to transit vehicles in operation.

Prior Condition: *No Prior Condition(s)*

Category: Transit

Study: [*Developing Florida-specific Mobility Enhancement Factors \(MEFs\) and Crash Modification Factors \(CMFs\) for TSM&O Strategies, Alluri et al., 2020*](#)

Star Quality Rating:



[\[View score details\]](#)

Crash Modification Factor (CMF)

Value: 0.86

Adjusted Standard Error:

Unadjusted Standard Error: 0.033

Crash Reduction Factor (CRF)

Value: 14 (This value indicates a **decrease** in crashes)

| | |
|-----------------------------------|-----|
| Adjusted Standard Error: | |
| Unadjusted Standard Error: | 3.3 |

| Applicability | |
|----------------------------|---|
| Crash Type: | All |
| Crash Severity: | K (fatal),A (serious injury),B (minor injury),C (possible injury) |
| Roadway Types: | Principal Arterial Other |
| Number of Lanes: | 2-6 |
| Road Division Type: | |
| Speed Limit: | 30-45mph |
| Area Type: | Urban |
| Traffic Volume: | 1500 to 41000 <i>Annual Average Daily Traffic (AADT)</i> |
| Time of Day: | |

If countermeasure is intersection-based

| | |
|-----------------------------------|--|
| Intersection Type: | |
| Intersection Geometry: | |
| Traffic Control: | |
| Major Road Traffic Volume: | |
| Minor Road Traffic Volume: | |

| Development Details | |
|---------------------------------|--------------|
| Date Range of Data Used: | 2014 to 2018 |
| Municipality: | |

| | |
|----------------------------------|-----|
| State: | FL |
| Country: | USA |
| Type of Methodology Used: | 2 |
| Sample Size Used: | |

| Other Details | |
|---|-------------|
| Included in Highway Safety Manual? | No |
| Date Added to Clearinghouse: | Dec-17-2020 |
| Comments: | |

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