



CMF / CRF Details

CMF ID: 10025

Implement Active Traffic Management Strategies

Description: Implement a combination of Advisory Variable Speed Limits and Lane Use Control Signs on a section of interstate.

Prior Condition: Interstate segment with static speed limits and no lane use control signals.

Category: Advanced technology and ITS

Study: [*Evaluation of the Impact of the I-66 Active Traffic Management System: Phase II, Dutta et al., 2018*](#)

Star Quality Rating:

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

Crash Modification Factor (CMF)

Value: 1.177

Adjusted Standard Error:

Unadjusted Standard Error: 0.17

Crash Reduction Factor (CRF)

Value: -17.7 (This value indicates an **increase** in crashes)

| | |
|-----------------------------------|----|
| Adjusted Standard Error: | |
| Unadjusted Standard Error: | 17 |

| Applicability | |
|----------------------------|---|
| Crash Type: | Multiple vehicle |
| Crash Severity: | K (fatal),A (serious injury),B (minor injury),C (possible injury) |
| Roadway Types: | Principal Arterial Interstate |
| Number of Lanes: | 6-8 |
| Road Division Type: | Divided by Median |
| Speed Limit: | |
| Area Type: | Suburban |
| Traffic Volume: | 167000 to 184000 <i>Annual Average Daily Traffic (AADT)</i> |
| Time of Day: | All |

| <i>If countermeasure is intersection-based</i> | |
|---|--|
| Intersection Type: | |
| Intersection Geometry: | |
| Traffic Control: | |
| Major Road Traffic Volume: | |
| Minor Road Traffic Volume: | |

| Development Details | |
|---------------------------------|--------------|
| Date Range of Data Used: | 2011 to 2016 |
| Municipality: | |

| | |
|----------------------------------|---------------|
| State: | VA |
| Country: | United States |
| Type of Methodology Used: | 2 |
| Sample Size Used: | |

| Other Details | |
|---|--|
| Included in Highway Safety Manual? | No |
| Date Added to Clearinghouse: | Jul-26-2019 |
| Comments: | Applies to a segment with advisory variable speed limits and lane use control signals. |

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