



CMF / CRF Details

CMF ID: 1584

Install left-turn lane (signal has left-turn phase)

Description:

Prior Condition: *No Prior Condition(s)*

Category: Intersection geometry

Study: [Older Drivers at a Crossroads, Morena et al., 2007](#)



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| Star Quality Rating: | <input type="text" value="✘ Star"/> [View score details] |
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Crash Modification Factor (CMF)

| | |
|-----------------------------------|------|
| Value: | 0.34 |
| Adjusted Standard Error: | |
| Unadjusted Standard Error: | 0.12 |



Crash Reduction Factor (CRF)

| | |
|-----------------------------------|--|
| Value: | 66 (This value indicates a decrease in crashes) |
| Adjusted Standard Error: | |
| Unadjusted Standard Error: | 12 |



Applicability

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|----------------------------|---------------|
| Crash Type: | Head on |
| Crash Severity: | All |
| Roadway Types: | Not specified |
| Number of Lanes: | |
| Road Division Type: | |
| Speed Limit: | |
| Area Type: | Urban |
| Traffic Volume: | |
| Time of Day: | All |

If countermeasure is intersection-based

| | |
|-----------------------------------|---|
| Intersection Type: | Roadway/roadway (not interchange related) |
| Intersection Geometry: | 4-leg |
| Traffic Control: | Signalized |
| Major Road Traffic Volume: | |
| Minor Road Traffic Volume: | |

Development Details

| | |
|----------------------------------|-----------------------|
| Date Range of Data Used: | |
| Municipality: | Detroit, Grand Rapids |
| State: | MI |
| Country: | usa |
| Type of Methodology Used: | 3 |
| Sample Size Used: | Crashes |

| | |
|---------------------------------|------------|
| Before Sample Size Used: | 32 Crashes |
| After Sample Size Used: | 11 Crashes |

| Other Details | |
|---|--|
| Included in Highway Safety Manual? | No |
| Date Added to Clearinghouse: | Dec-01-2009 |
| Comments: | Applies to head-on and left-turn crashes involving younger drivers (age 25-64) |

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