



CMF / CRF Details

CMF ID: 187

Effects of use of salt (chemical de-icing) during the whole winter season (baseline = no salt)

Description:

Prior Condition: *No Prior Condition(s)*

Category: Roadway

Study: [Handbook of Road Safety Measures, Elvik, R. and Vaa, T., 2004](#)

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| Star Quality Rating: | |
| 8 Stars | |

| Crash Modification Factor (CMF) | |
|---------------------------------|------|
| Value: | 1.12 |
| Adjusted Standard Error: | 0.14 |
| Unadjusted Standard Error: | |

| Crash Reduction Factor (CRF) | |
|------------------------------|----------------------------------------------------------|
| Value: | -12 (This value indicates an increase in crashes) |
| Adjusted Standard Error: | 14 |
| Unadjusted Standard Error: | |

Applicability

Crash Type:

All

Crash Severity:

A (serious injury),B (minor injury),C (possible injury)

Roadway Types:

All

Number of Lanes:

Road Division Type:

Speed Limit:

Area Type:

All

Traffic Volume:

All to All

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:

Municipality:

State:

Country:

Type of Methodology Used:

9

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| Sample Size Used: | |
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| Other Details | |
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| Included in Highway Safety Manual? | No |
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| Date Added to Clearinghouse: | Dec-01-2009 |
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| Comments: | |
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