



## CMF / CRF Details

**CMF ID: 2612**

**Convert from yield signal control to signalized control**

**Description:**

**Prior Condition: yield control**

**Category: Intersection traffic control**

**Study:** [\*Safety Effects of Intersection Signalization: a Before-After Study, Jensen, 2010\*](#)

**Star Quality Rating:**



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

### Crash Modification Factor (CMF)

**Value:** 0.85

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.04

### Crash Reduction Factor (CRF)

**Value:** 15 (This value indicates a **decrease** in crashes)

**Adjusted Standard Error:**

|                                   |     |
|-----------------------------------|-----|
| <b>Unadjusted Standard Error:</b> | 4.3 |
|-----------------------------------|-----|

### Applicability

|                    |     |
|--------------------|-----|
| <b>Crash Type:</b> | All |
|--------------------|-----|

|                        |     |
|------------------------|-----|
| <b>Crash Severity:</b> | All |
|------------------------|-----|

|                       |               |
|-----------------------|---------------|
| <b>Roadway Types:</b> | Not Specified |
|-----------------------|---------------|

|                         |  |
|-------------------------|--|
| <b>Number of Lanes:</b> |  |
|-------------------------|--|

|                            |  |
|----------------------------|--|
| <b>Road Division Type:</b> |  |
|----------------------------|--|

|                     |  |
|---------------------|--|
| <b>Speed Limit:</b> |  |
|---------------------|--|

|                   |       |
|-------------------|-------|
| <b>Area Type:</b> | Urban |
|-------------------|-------|

|                        |  |
|------------------------|--|
| <b>Traffic Volume:</b> |  |
|------------------------|--|

|                     |     |
|---------------------|-----|
| <b>Time of Day:</b> | All |
|---------------------|-----|

### *If countermeasure is intersection-based*

|                           |   |
|---------------------------|---|
| <b>Intersection Type:</b> | Roadway/roadway (not interchange related) |
|---------------------------|---|

|                               |                              |
|-------------------------------|------------------------------|
| <b>Intersection Geometry:</b> | 3-leg,4-leg,More than 4 legs |
|-------------------------------|------------------------------|

|                         |            |
|-------------------------|------------|
| <b>Traffic Control:</b> | Signalized |
|-------------------------|------------|

|                                   |  |
|-----------------------------------|--|
| <b>Major Road Traffic Volume:</b> |  |
|-----------------------------------|--|

|                                   |  |
|-----------------------------------|--|
| <b>Minor Road Traffic Volume:</b> |  |
|-----------------------------------|--|

### Development Details

|                                 |              |
|---------------------------------|--------------|
| <b>Date Range of Data Used:</b> | 1976 to 2004 |
|---------------------------------|--------------|

|                      |            |
|----------------------|------------|
| <b>Municipality:</b> | Copenhagen |
|----------------------|------------|

|               |  |
|---------------|--|
| <b>State:</b> |  |
|---------------|--|

|                                  |              |
|----------------------------------|--------------|
| <b>Country:</b>                  | Denmark      |
| <b>Type of Methodology Used:</b> | 3            |
| <b>Sample Size Used:</b>         | Crashes      |
| <b>Before Sample Size Used:</b>  | 1612 Crashes |
| <b>After Sample Size Used:</b>   | 1360 Crashes |

| <b>Other Details</b>                      |   |
|---|---|
| <b>Included in Highway Safety Manual?</b> | No  |
| <b>Date Added to Clearinghouse:</b>       | Aug-11-2010   |
| <b>Comments:</b>                          | This CMF is for roadway link crashes up to 500 m away from intersection |

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