



CMF / CRF Details

CMF ID: 8191

Installation of fixed speed cameras

Description: Installation of fixed speed cameras on arterials limited access freeways

Prior Condition: No speed camera present

Category: Speed management

Study: [*Safety effects of fixed speed cameras - An empirical Bayes evaluation, Hoyer, 2015*](#)

Star Quality Rating:



Crash Modification Factor (CMF)

Value: 1.01

Adjusted Standard Error:

Unadjusted Standard Error: 0.227

Crash Reduction Factor (CRF)

Value: -1 (This value indicates an **increase** in crashes)

Adjusted Standard Error:

Unadjusted Standard Error: 22.7

Applicability

Crash Type: All

Crash Severity: K (fatal),A (serious injury)

Roadway Types: Not specified

Number of Lanes: 2

Road Division Type:

Speed Limit: 50 to 90 kph

Area Type: Rural

Traffic Volume:

Time of Day: All

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: 1997 to 2006

Municipality:

State:

Country:	Norway
Type of Methodology Used:	2
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Nov-10-2016
Comments:	Long section: 100m upstream and 3km downstream of camera location. Early installation: Cameras installed during 2000-2003 period

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