CMF / CRF Details

CMF ID: 1898

Install chevron signs on horizontal curves

Description: Along a curve with a small radius, large deflection angle, available sight distance smaller than stopping sight distance, and superelevation smaller than demanded at design and operating speed.

Prior Condition: No curve delineation treatment

Category: Signs

Study: <u>Safety Evaluation of Curve Delineation Improvements An Empirical Bayes</u> Observational Before-After Study, Montella, 2009

Star Quality Rating: [View score details]

Crash Modification Factor (CMF)

Value: 0.63

Adjusted Standard Error: 0.22

Crash Reduction Factor (CRF)		
Value:	37 (This value indicates a decrease in crashes)	
Adjusted Standard Error:		
Unadjusted Standard Error:	22	

Applicability	
Crash Type:	All
Crash Severity:	All
Roadway Types:	Principal Arterial Other Freeways and Expressways
Number of Lanes:	4
Road Division Type:	
Speed Limit:	
Area Type:	Not specified
Traffic Volume:	7400 to 9746
Time of Day:	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:	2001 to 2005	
Municipality:	Trans European Road Network, Italy	
State:		
Country:		

Type of Methodology Used:	2
Sample Size Used:	Sites
Before Sample Size Used:	4 Sites
After Sample Size Used:	4 Sites

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

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