



CMF / CRF Details

CMF ID: 8483

Install Platform Tram Stops

Description: Platform stops improve this situation through the provision of passengers platforms raised to the level of low floor trams next to the tracks in the middle of the road. Passengers access the platform using signal controlled pedestrian crossings. On roads with lower traffic levels, platforms are accessed via zebra crossings at the ends of the platform.

Prior Condition: safety zone tram stops

Category: Transit

Study: [Safety impacts of platform tram stops on pedestrians in mixed traffic operation: A comparison group before–after crash study, Naznin et al., 2015](#)

Star Quality Rating:



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

Crash Modification Factor (CMF)

Value: 0.571

Adjusted Standard Error:

Unadjusted Standard Error: 0.14

Crash Reduction Factor (CRF)

Value:	42.9 (This value indicates a decrease in crashes)
Adjusted Standard Error:	
Unadjusted Standard Error:	14

Applicability

Crash Type:	Vehicle/pedestrian
Crash Severity:	K (fatal),A (serious injury),B (minor injury),C (possible injury)
Roadway Types:	All
Number of Lanes:	
Road Division Type:	
Speed Limit:	
Area Type:	Urban
Traffic Volume:	
Time of Day:	Not specified

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:	
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Municipality:	Melbourne
State:	
Country:	Australia
Type of Methodology Used:	Before/after using comparison group
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Mar-13-2017
Comments:	CMF of pedestrian-vehicle all injury crashes after replacing safety zone tram stops with platform stops.

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