



CMF / CRF Details

CMF ID: 8486

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:	
8 Stars	[View score details]

Crash Modification Factor (CMF)	
Value:	0.142
Adjusted Standard Error:	
Unadjusted Standard Error:	0.063

Crash Reduction Factor (CRF)	
Value:	85.8 (This value indicates a decrease in crashes)
Adjusted Standard Error:	

Unadjusted Standard Error: 6.3

Applicability

Crash Type: Vehicle/pedestrian

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

Municipality: Melbourne

State:

Country:	Australia
Type of Methodology Used:	4
Sample Size Used:	

Other Details	
Included in Highway Safety Manual?	No
Date Added to Clearinghouse:	Mar-13-2017
Comments:	CMF of pedestrian-vehicle fatal and serious injury crashes considering passenger increment after replacing safety zone tram stops with platform stops. This study used before-after using comparison group and was adjusted by passenger volumes.

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