

Metadata Schema

Title¹	Calibrating Crash Modification Factors for Wyoming - Specific Conditions: Application of the Highway Safety Manual - Part D
Creator/contact point	Mohamed M. Ahmed, Ph.D., P.E. - orcid.org/0000-0002-1921-0724, mahmed@uwyo.edu
Publication Date(s)	The date associated with the final report/dataset.
Description/Abstract	This study is considered a first step towards validating the applicability of the Highway Safety Manual (HSM) Part D to Wyoming conditions. The HSM Part D provides a quantitative measure of safety of various countermeasures known as Crash Modification Factors (CMF). These CMFs are provided for four distinct groups of treatments; roadway segments (e.g., rumble strips, passing lanes, etc.), intersections (e.g., flashing yellow arrows), special facilities (e.g., highway-rail crossing), and road networks. CMFs provided in the HSM Part D are calibrated based on data collected from a few states with specific roadway and climate characteristics in the US, which may not represent the same safety efficacy of countermeasures
Subject and Keywords	Highway Safety Manual; Crash Modification Factors; Safety Effectiveness; Shoulder Rumble Strips; Passing Lanes; Headlight Use Signs; Intersections; Adding Turn Lanes; Snow Fences; Wyoming
Identifier² and/or source	
Collection and Related Documents	
Edition	
Related Documents	1.Thomas Peel*, Mohamed Ahmed, Noriaki Ohara, Investigating the Safety Effectiveness of Wyoming Snow Fence Implementations along a Rural Mountainous Freeway, Transportation Research Record: Journal of the Transportation Research Board, Volume 2613, pp. 8-15, 2017.

¹ To include alternate title; conference title; and journal title, if they are different.

² To include record numbers; report numbers; NTIS number; TRIS Accession Number; OCLC Number; ISBN; ISSN; contract number; and DOI if available.

	<p>2. Md Julfiker Hossain, and Mohamed Ahmed, Evaluation of the Safety Efficacy of Intermittent Use of Shoulder Rumble Strips, accepted in the International Road Federation, 2017.</p> <p>3. Sadia Sharmin, and Mohamed Ahmed, Safety Effectiveness Evaluation of Adding Left-turn Lanes at Signalized Intersections: Fixed and Random Effect Negative Binomial Models, accepted in the International Road Federation, 2017.</p> <p>4. Mohamed Ahmed, Sherif Gaweesh*, Md Julfiker Hossain*, Sadia Sharmin*, Thomas Peel*, “Calibrating Crash Modification Factors for Wyoming-Specific Conditions: Application of the Highway Safety Manual - Part D”, Wyoming Department of Transportation, 2017.</p>
Coverage	Spatial location, temporal period, jurisdiction.
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Access Restrictions	
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Code and software needs	
Format	
Choice of Repository	

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NOTE: This Metadata Schema is created as a derivative from the Common Core required fields that can be found at <https://project-open-data.cio.gov/schema/>.

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