

## Metadata Schema

<b>Title<sup>1</sup></b>	Calibrating Crash Modification Factors for Wyoming - Specific Conditions: Application of the Highway Safety Manual - Part D
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<b>Publication Date(s)</b>	The date associated with the final report/dataset.
<b>Description/Abstract</b>	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
<b>Subject and Keywords</b>	Highway Safety Manual; Crash Modification Factors; Safety Effectiveness; Shoulder Rumble Strips; Passing Lanes; Headlight Use Signs; Intersections; Adding Turn Lanes; Snow Fences; Wyoming
<b>Identifier<sup>2</sup> and/or source</b>	
<b>Collection and Related Documents</b>	
<b>Edition</b>	
<b>Related Documents</b>	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.

<sup>1</sup> To include alternate title; conference title; and journal title, if they are different.

<sup>2</sup> 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>
<b>Coverage</b>	Spatial location, temporal period, jurisdiction.
<b>Language</b>	English
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<b>Access Restrictions</b>	
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**NOTE: Each separate report, dataset, collection, existing collection, and software developed must have its own table. All fields in this Schema must be completed at the time of the final report.**

**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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