

# Resource List

December 2021

IHSDM



**A product of the Federal Highway Administration's (FHWA's) Safety Research and Development Program, the Interactive Highway Safety Design Model (IHSDM) is a suite of safety analysis tools to evaluate the safety and operational effects of geometric-design decisions on highways. The following resources are available to individuals considering or using IHSDM:**

## FHWA IHSDM WEBSITE:

The newly updated site, <https://highways.dot.gov/research/safety/interactive-highway-safety-design-model/interactive-highway-safety-design-model-ihsdm-overview>, includes the option to download the IHSDM 2021 release. The website provides an overview of IHSDM. It also contains background information on IHSDM, including frequently asked questions, information on the IHSDM user group, IHSDM resources, summaries of selected IHSDM user applications/case studies, a summary of IHSDM-related events (e.g., web conferences), and a library of the research reports that are based on IHSDM's analytical procedures.

*Downloading and Installing IHSDM.* IHSDM is packaged in a single compressed (ZIP) file that contains the IHSDM installation directory. First, download the IHSDM distribution file (ihsdm\_17\_0\_0\_full.zip), which contains an installed version of the software. Then copy the expanded/extracted contents (i.e., the IHSDM2021 folder) to the folder/directory where you will install IHSDM.

## HIGHWAY SAFETY MANUAL WEBSITE:

This website, <http://www.highwaysafetymanual.org>, provides information related to American Association of State Highway and Transportation Officials' HSM. The IHSDM Crash Prediction Module (CPM) includes a faithful software implementation of HSM Part C (Predictive Method), which includes crash prediction methodologies for two-lane rural highways, multilane rural highways, urban/suburban arterials, and freeway segments and interchange components.

## TECHNICAL SUPPORT:

IHSDM technical support staff are available to answer questions and provide help to IHSDM users during normal business hours. Staff can be contacted two ways:

Email: [IHSDM.Support@dot.gov](mailto:IHSDM.Support@dot.gov)

Phone: (202) 493-3407 (IHSDM Help Line).

## IHSDM TRAINING:

Training is offered by the FHWA Resource Center (RC) and through the National Highway Institute (NHI). Courses include "Introduction to the FHWA IHSDM" (course no. FHWA-NHI-380100), a new, blended training course, as well as "Applications of the FHWA IHSDM CPM V17 Update," an RC follow up course to the new NHI 380100 course. Both courses are now available. For additional information, refer to the [NHI](#) website.

*IHSDM "How-To" Videos:* FHWA produced a series of three IHSDM "how-to" training videos, which can be accessed from the [Roadway Safety Data Program Toolbox How-To Video Series](#) web page.

## FOR MORE INFORMATION, CONTACT:

In-Kyu Lim  
FHWA, Office of Safety and Operation R&D  
6300 Georgetown Pike  
McLean, VA 22101  
[In-Kyu.Lim@dot.gov](mailto:In-Kyu.Lim@dot.gov)  
(202) 493-3288

Jerry Roche  
FHWA, Office of Safety  
105 6th Street  
Ames, IA 50010  
[Jerry.Roche@dot.gov](mailto:Jerry.Roche@dot.gov)  
(515) 233-7323

David Petrucci  
FHWA, Resource Center  
31 Hopkins Plaza, Suite 840  
Baltimore, MD 21201  
[David.Petrucci@dot.gov](mailto:David.Petrucci@dot.gov)  
Telephone: 202-823-2260

