# Resource List

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A product of the Federal Highway Administration's (FHWA) Safety Research and Development (R&D) Program, the Interactive Highway Safety Design Model (IHSDM) is a suite of safety analysis tools designed to evaluate the safety and operational effects of geometric-design decisions on highways.<sup>(1)</sup> The following resources are available to individuals considering or using IHSDM.

#### FHWA IHSDM WEBSITE

The IHSDM <u>website</u> includes the option to download the IHSDM software.<sup>(1)</sup> The IHSDM software version 17.0.0 was released September 2021.<sup>(2)</sup> The website provides an overview of background information on IHSDM, including frequently asked questions, information on the IHSDM user group, IHSDM resources, summaries of selected IHSDM user applications and 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 (HSM) WEBSITE**

The <u>website</u> provides information related to the American Association of State Highway and Transportation Officials' (AASHTO) HSM.<sup>(3)</sup> The IHSDM Crash Prediction Module 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 and suburban arterials, and freeway segments and interchange components.<sup>(4)</sup>

## **TECHNICAL SUPPORT**

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

Email: <u>IHSDM.support@dot.gov.</u> 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), including "Introduction to the FHWA IHSDM" (course number FHWA-NHI-380100), a blended training course (includes both instructor-led and self-paced sessions). For additional information, refer to NHI's website.<sup>(5)</sup>

*IHSDM "How-To" Videos:* FHWA produced a series of three IHSDM "how-to" training videos, which can be accessed from the <u>Roadway Safety Data Program Toolbox</u><u>How-To Video Series</u> posted on YouTube.<sup>(6)</sup>

## FOR MORE INFORMATION, CONTACT:

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6. FHWA. 2021. "Roadway Safety Data Program Toolbox How-To Video Series." *YouTube* educational video, 12:27. June 2, 2021. <u>https://www.youtube.com/playlist?list=PL5\_sm9g9d4T0-tD3a\_Eo-jDJIyDRXgQdD</u>, last accessed October 25, 2023.

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