

# Resource List

December 2025

IHSDM



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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 [website](#) includes the option to download the IHSDM software.<sup>(1)</sup> The IHSDM software version 17.0.0 was released September 2021. The website provides information for downloading and installing IHSDM.

*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.<sup>(1)</sup> Then copy the expanded/extracted contents (i.e., the IHSDM2021 folder) to the folder/directory where you will install IHSDM.

## FHWA'S FUTURE PLANS FOR IHSDM

Although IHSDM software development ended in 2021, FHWA will continue to provide technical support via Geometric Design Laboratory (GDL) staff, essentially as long as agencies are still using the IHSDM 2021 (version 17.0.0) software.<sup>(1)</sup> See [FHWA's Future Plans for IHSDM](#) for details.<sup>(2)</sup>

## HIGHWAY SAFETY MANUAL (HSM) WEBSITE

The website 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: [IHSDM.support@dot.gov](mailto:IHSDM.support@dot.gov).

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

## IHSDM TRAINING

Training is offered 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](#) and search for "IHSDM".<sup>(5)</sup>

*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 posted on YouTube®.<sup>(6)</sup>

## FOR MORE INFORMATION, CONTACT:

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## REFERENCES

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2. FHWA. 2026. *FHWA's Future Plans for IHSDM*. Publication No. FHWA-HRT-26-015. Washington, DC: Federal Highway Administration. <https://doi.org/10.21949/s1dp-1c49>, last accessed January 1, 2026.
3. AASHTO. n.d. "Highway Safety Manual" (web page). <https://www.highwaysafetymanual.org>, last accessed November 27, 2023.
4. FHWA. 2024. "Interactive Highway Safety Design Model (IHSDM)-Related Safety Data Case Studies" (web page). <https://highways.dot.gov/media/57686>, last accessed October 21, 2025.
5. NHI. n.d. "Find Course" (web page). <https://fhwanhi.geniussis.com/RegistrationByCourse.aspx#> (search for "IHSDM"), last accessed October 21, 2025.
6. FHWA. 2021. "Roadway Safety Data Program Toolbox How-To Video Series." YouTube educational video, 12:27. June 2, 2021. [https://www.youtube.com/playlist?list=PL5\\_sm9g9d4T0-tD3a\\_Eo-jDJlyDRXgQdD](https://www.youtube.com/playlist?list=PL5_sm9g9d4T0-tD3a_Eo-jDJlyDRXgQdD), last accessed October 25, 2023.

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