

INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

Design Memorandum No. 23-19

November 15, 2023

TO: All Design, Operations, and District Personnel, and Consultants

FROM: /s/ Anthony Cox

Anthony Cox

Hydraulics Team Leader Division of Hydraulics

SUBJECT: Joint Probability Analysis

REVISES: Indiana Design Manual (IDM), Figure 203-2G

EFFECTIVE: Hydraulic Design submitted or completed on or after

November 15, 2023

IDM Figure 203-2G, Joint Probability Analysis, has been revised based on the results of a JTRP Research Project (FHWA/IN/JTRP-2023/09 – SPR 4430), *Development of a Multiple Water Course Joint Probability Analysis Procedure for Indiana Watersheds*. Revisions include additional frequencies and updated values to be used for joint probability analysis.

The revised figure has been incorporated into IDM Chapter 203.

Hydraulic designs submitted or completed on or after the date of this memo should use the revised guidance. Hydraulic designs submitted previously need not be revised.

For questions related to this design memo, please contact the Hydraulics Division at Hydraulics@indot.in.gov

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