



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

Design Memorandum No. 13-04 Technical Advisory

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

FROM: /s/ Crystal M. Weaver
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Division of Bridges

SUBJECT: Flowline Elevation
Pipe Material Selection

REVISES: *Indiana Design Manual* Section 203-2.02(10) and Sections 201-1.05 through 201-1.08

EFFECTIVE: Immediately

Flowline Elevation

Due to natural changes in channel flowline elevation between the time of project survey and construction, some structures are not being sumped appropriately. In order to maintain the intended sump, plans for all sumped structures should include the following note:

Contractor shall verify the existing flowline elevation to set the appropriate sump depth.

This note should be placed with the alternate structure note (where applicable) on the General Plan for bridge plans, and on the Structure Details and General Notes sheets for road plans.

Designers should coordinate with the Office of Hydraulics to determine the necessary adjustments to invert and top of footing elevations. Typically, if the difference between the flowline elevation shown on the plans and existing flowline is half the sump depth or greater, the structure elevations should be lowered accordingly to provide the sump as shown on the plans. If the existing flowline elevation is higher than the flowline elevation shown on the plans, no changes are required to the structure elevations.

Pipe Material Selection Process

The Pipe Material Selection Process was omitted from the rewritten Hydraulics chapter of the *Indiana Design Manual*. It has been added to Sections 201-1.05 through 201-1.08.

Revisions to Section 203-2.02(10) and Sections 201-1.05 through 201-1.08 are attached to this memo.

CMW:ewp