

TO: All Design Section Staff
FROM: Bijan Khaleghi
DATE: October 07, 2020
SUBJECT: BDM Section 11.1.2 Bridge Standard Drawings

This design memorandum specifies WSDOT's policy for updating Bridge Standard Drawings, as well as specifies ownership and responsibilities of each party involved in the update process. A process change is needed to improve the efficiency of updating Standard Drawings.

Add the following subsection to BDM 11.1.2:

11.1.2.D – Maintenance of Standard Drawings

Ownership and maintenance of Bridge Standard Drawings is the responsibility of the drawing owner. Drawings are owned by the engineer responsible for the corresponding BDM chapter or section within the chapter in which they appear. The CAD Applications Engineer role is to ensure CAD standards are followed in accordance with this chapter as well as the WSDOT Electronic Engineering Data Standards (EEDS) Division 3-S5 PS&E Standards for any standard symbology not defined in a Bridge and Structures Office Standard library or the Bridge Design Manual. The CAD Applications Engineer will also ensure the folders containing the Standard Drawings are properly updated and that the Standard Drawings are published to the WSDOT Website.

The procedure for updating existing Bridge Standard Drawings or developing new Standards is:

1. Drawing owner will mark up drawings.
2. The drawing owner will first work within their assigned design team to have an available detailer revise the drawings. Assistance can be provided by the CAD Applications Engineer as needed.
3. Modifications shall be made to a copy of the Standard Drawing. The current standard shall not be altered.
4. The completed Standard Drawing will be reviewed by the drawing owner to ensure changes have been made correctly and CAD Applications Engineer for conformance with the CAD Standards.
5. The drawing owner will send the updated Standard Drawing to the Bridge Design Engineer in accordance with 11.1.2C.
6. Once the completed drawing is approved for use, the CAD Applications Engineer will update the standard drawing library, publish the drawing to the Bridge Office website, and notify the Bridge Design Office of the updates.

Background

The Bridge and Structures Office has over 240 Standard Drawings to maintain and many are updated annually. CAD support is provided by one position that does not have the resources to effectively maintain all of the Standard Drawings. This revised policy distributes the workload to more effectively maintain CAD resources.

If you have any questions regarding this policy memorandum, please contact Cory Churchill at Cory.Churchill@wsdot.wa.gov, Rick Brice at Richard.Brice@wsdot.wa.gov or Bijan Khaleghi Bijan.Khaleghi@wsdot.wa.gov at (360) 705-7181.

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