



MEMO

August 6, 2024

To: Directors of Transportation Planning and Development

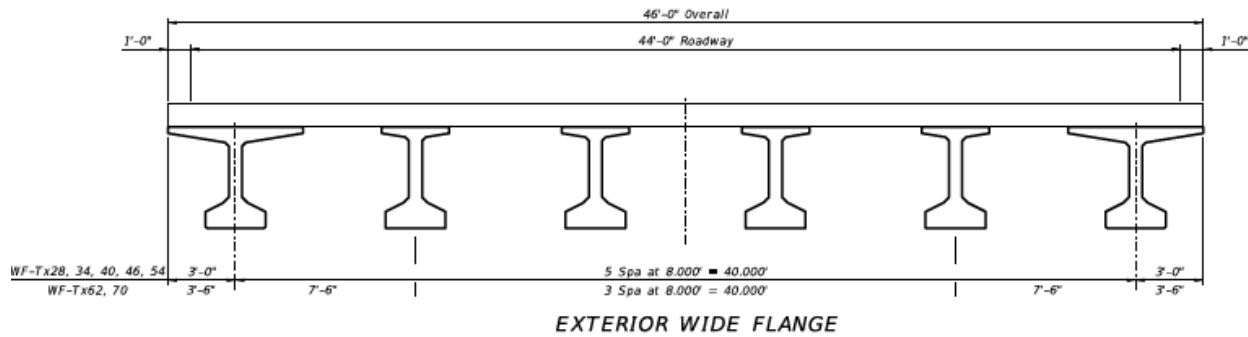
From: Robert Owens, P.E. DocuSigned by:
R. D. Owens
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Bridge Design Section Director, Bridge Division

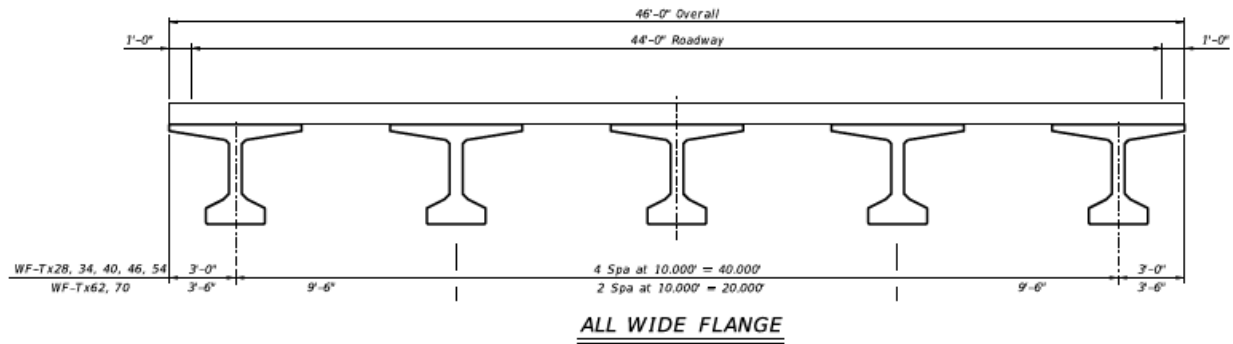
Subject: New Wide Flange I-Girder Standards

New Prestressed Concrete Wide Flange I-girder standards, with issue date of August 2024, are posted on the TxDOT web site and available for immediate use. These standards include:

- Prestressed Concrete Wide Flange I-Girder Details (WF-IGD) standard provides the girder shapes and reinforcement details.
- Prestressed Concrete Wide Flange I-Girder Designs (WF-IGND) standard is to provide the strand pattern and optional design information. This sheet must be filled out, the block removed, and the sheet signed and sealed.

The wide flange girder may be used as exterior girders (Exterior Wide Flange) or as all the girders (All Wide Flange). When used as exterior girder, the wide flange is placed along the deck edge and replaces the traditional 3-foot overhang.





Designers are encouraged to provide both an exterior wide flange and a traditional Tx-Girder design for the exterior girder. Consideration for providing these optional exterior wide flange girder designs should be given to project that are at 30% design or less.

These and other bridge standard drawings are available in MicroStation® ".dgn" and Adobe® Acrobat® ".pdf" formats on the Bridge Standards web page (<https://www.dot.state.tx.us/insdot/orgchart/cmd/cserve/standard/bridge-e.htm>).

For questions or comments concerning these standard drawings, please contact Taya Retterer, P.E. at 512/993-0330.

CC: Federal Highway Administration
 Bridge Design Consultants
 District Design Engineers

District Bridge Engineers
 District Bridge Coordinators
 Bridge Division