



MEMO

June 15, 2022

To: Directors of Transportation Planning and Development

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Subject: New and Revised Retaining Wall Standard Drawings

New and revised retaining wall standard drawings, with issue date of June 2022, are posted on the TxDOT web site and available for immediate use.

Notable revisions to the standard drawings include the following:

- Updated all drawings to comply with *TxDOT 2014 Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges*.
- Updated all drawings to reflect current design practices prescribed in the *AASHTO LRFD Bridge Design Specifications*.
- Updated all drawings to reflect current detailing practices shown in the *TxDOT Bridge Detailing Guide*.
- The new **Concrete Block Retaining Wall Design Data (RW(CB)DD)** standard drawing was added for the wall designer of record at the time of plan preparation to provide soils strength parameters for the design of the specified walls.
- **Spread Footing Retaining Walls, Low and High Pressure (RW 2, RW 1(L)A, RW 1(L)B, RW 1(L)C, RW 1(H)A, RW 1(H)B, and RW 1(H)C)** are retired and replaced with
 - **Spread Footing Retaining Walls (RW(SF))**
 - **RW(SFA)** – load case A, no surcharge or slope above the wall
 - **RW(SFB)** – load case B, no surcharge with slope up to 3:1
 - **RW(SFC)** – load case C, traffic surcharge and no slope above the wall

This updated was to simplify the design and construction. There is no longer a differentiation between high and low pressure. The standard designs for the cast-in-place walls were also limited to a height of 20 feet

These revised standard drawings apply to construction projects beginning with the March 2023 letting. Prior use is at the option of each District.

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

For questions or comments concerning these standard drawings, please contact Ryan Eaves, PE at 512/416-2558 or Taya A. Retterer, P.E. at 512/416-2719.

CC: Federal Highway Administration
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