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August 6, 2021

To: District Engineers

From: Graham Bettis, P.E.,
Director, Bridge Division

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Michael Chacon, P.E.,
Director, Traffic Safety Division

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Subject: Revisions for HOSB-Z1-21, OBST-21, COSS & OSB-SZ-21, HCOSS-Z1-21, and COSF-21 Standard Sheets

The Bridge Division and Traffic Safety Division have revised the High-Level Overhead Sign Bridge Details (HOSB-Z1-21), Overhead Sign Bridge Tower Details (OSBT-21), High Level Cantilever Overhead Sign Supports (HCOSS-Z1-21), Overhead Sign Bridge Details (COSS & OSB-SZ-21), and Cantilever Overhead Sign Support Foundation (COSSF-21) standards. A description of the revisions are as follows:

HOSB-Z1-21

- Revised wide flange weight from 84 lb/ft to 94 lb/ft for the 45' Tower Height, 145' and 150' Spans.
- Revised Wind Load Diagonal 1st angle leg from 3 ½" to 4" for 130' thru 145' Spans.

OBST-21

- Shifted tabular data down one row and added design data in table for W27 x 84 and W 27 x 94 for use with Bracing for 7'-0" to 7'-6" Column Spacing.
- Revised anchor bolt assembly providing double nuts at bottom template and removing weld symbol therefrom.
- Revised grounding details.

COSS & OSB-SZ-21

- Added notes on usage to guide the engineer in the proper use of the standard and to indicate that it is not acceptable to include this sheet in PS&E if there is no data entered therein and there is no properly signed and dated PE seal attached.

HCOSS-Z1-21

- Revised Wind Load Diagonal 2nd angle leg from 2 ½" to 3" for 35' Span.

COSSF-21

- Revised DRILLED SHAFT SIZE from 36" to 42" Dia for 2 1/4" Dia anchor bolt and revised DRILLED SHAFT REINF from 10-#11 (A) to 12-#11 (A) for 16" PIPE OUTSIDE DIAMETER.
- Revised DRILLED SHAFT SIZE from 36" to 42" Dia for 1 3/8" Dia anchor bolt and revised DRILLED SHAFT REINF from 12-#9 (A) to 14-#9 (A) for 20" PIPE OUTSIDE DIAMETER.
- Revised DRILLED SHAFT SIZE from 42" to 48" Dia for 1 3/4" Dia anchor bolt and revised DRILLED SHAFT REINF from 12-#10 (C) to 16-#10 (C) for 24" PIPE OUTSIDE DIAMETER.
- Revised DRILLED SHAFT SIZE from 48" to 54" Dia for 1 3/4" Dia anchor bolt and revised DRILLED SHAFT REINF from 16-#10 (C) to 18-#10 (C) for 30" PIPE OUTSIDE DIAMETER
- Revised anchor bolt assembly providing double nuts at bottom template and removing weld symbol therefrom.
- Revised grounding details

The standard sheets may be used immediately and shall be used for all applicable PS&E sets beginning with the February 2022 letting. The new sheets are available in MicroStation® "dgn" and Adobe® "pdf" formats at the following address:

<http://www.txdot.gov/insdot/orgchart/cmd/cserve/standard/toc.htm>

If you have any questions, please contact Tim Bradberry at (512) 416-2179.

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