THE USE OF THIS STANDARD IS GOVERNED BY THE "TEXAS ENGINEERING PRACTICE ACT." NO WARRANTY OF ANY KIND IS MADE BY TXDOT FOR ANY PURPOSE WHATSOEVER. TXDOT ASSUMES NO RESPONSIBILITY FOR THE CONVERSION OF THIS STANDARD TO OTHER FORMATS OR FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

DATE: JUNE 2011

FILE: XBSTDE63.DGN

ABUTMENTS

TYPE SXB20 THRU SXB40

PRESTRESSED CONCRETE BEAMS

40' ROADWAY 30° SKEW

AXB-40-30

GENERAL NOTES:

1. See Table A for variable dimensions based on header slope and beam type.
2. See Table A to determine if wingwall foundations are required.
3. For piling larger than 16", adjust bars & spacing as required to avoid piling.
4. Increase spacing to maintain 3'-0" from finished grade.
5. See Span details for "Z" value.
6. See Bridge Layout to determine if approach slab is present.
7. Omit dowels at end of unit, deduct 14 lbs from reinforcing steel total.
8. With pile foundations, have bars & dowels shown to clear piling.
9. Spacing based on beam type:
   - XB20 - 2 Equal Spaces
   - XB25 - 3 Equal Spaces
   - XB34 - 3 Equal Spaces
   - XB40 - 3 Equal Spaces
10. See Details A on FD standard.
11. Rigid and left elevations and rotations are provided elsewhere.
12. Measured along "E" of bearing.

LEVEL ALONG A LINE PERPENDICULAR TO BEARINGS, UNIFORM SLOPE BETWEEN LEFT AND RIGHT BEARING SEAT ELEVATIONS WITH WOOD FLOAT FINISH.

BEARING SEAT DETAIL

SPACING BASED ON BEAM TYPE:
- XB20 - 2 Equal Spaces
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FLOOR SLAB DETAIL

See Detail A on FD standard.

CONCRETE STRONG F'c = 3,600 psi.

SECTION A-A

WINGWALL DETAIL

See Bridge Layout to determine if wingwall is present.

WINGWALL FOUNDATIONS ARE REQUIRED.

See Table A to determine if wingwall foundations are required.

ABUTMENT DETAILS MAY BE USED WITH APPROACH SLAB.

OPTIONS BASED ON HEADER SLOPE AND BEAM TYPE.

See Table A for variable dimensions based on header slope and beam type.

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