STANDARD DESIGNS

TxDOT 5B28 BOX BEAM

FABRICATION NOTES:

1. Provide Class H concrete.
2. Use low relaxation strands, each pretensioned to 75 percent of fpu.
3. Place strand symmetrically about vertical centerline of box.
4. Locate a strand in each "1" position.
5. Space strands as equally as possible across the entire width.
6. Strand debonding must comply with Item 424.4.2.2.2.4.
7. Full-length debonded strands are only permitted in positions marked A.

OPTIONAL DESIGN

DESIGN NOTES:

1. Designed in accordance with AASHTO LRFD Bridge Design Specifications.
2. Prestress losses for the designed beams have been calculated for a relative humidity of 60 percent.
3. Beam designs are applicable for 5" concrete slabs without overlay and 0 degree skew.
4. Engineered registered in the State of Texas.

FILE:

CTXDOT SECT DB 01-16: Notes, 0.6" stand designs.
04-11: f'ci and LLDF.
PRESTR CONC BOX BEAM
TYPE B28          28' RDWY
STANDARD DESIGNS

PORTION OF FULL HL93.

OPTIONAL DESIGN

BBSDS-B28-28

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