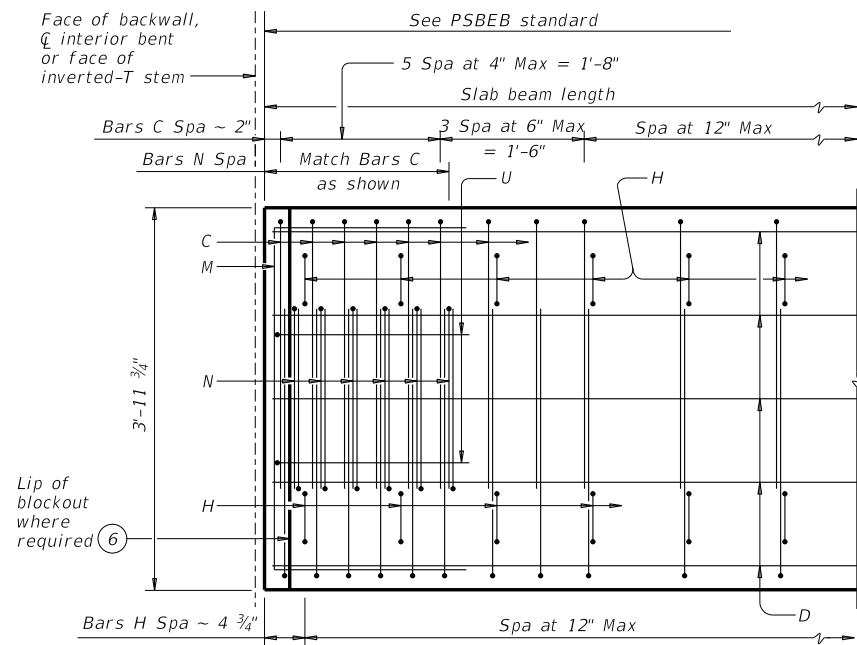
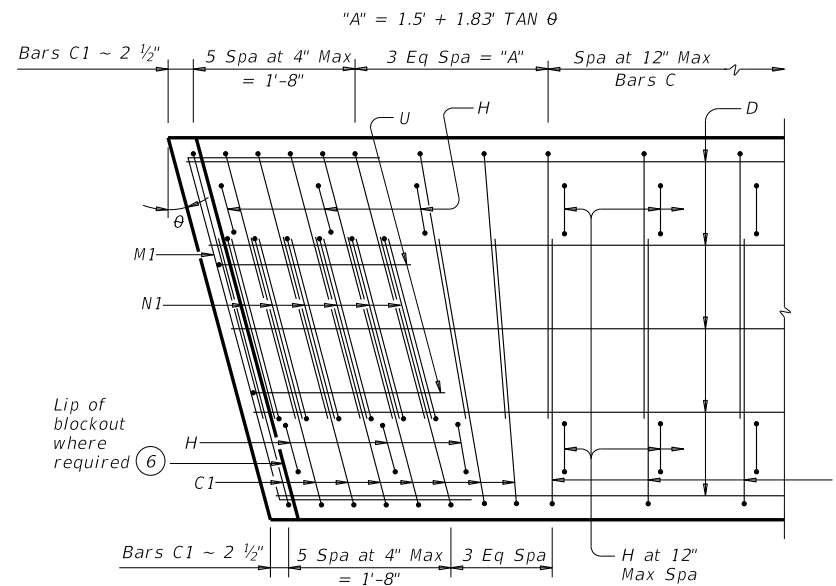


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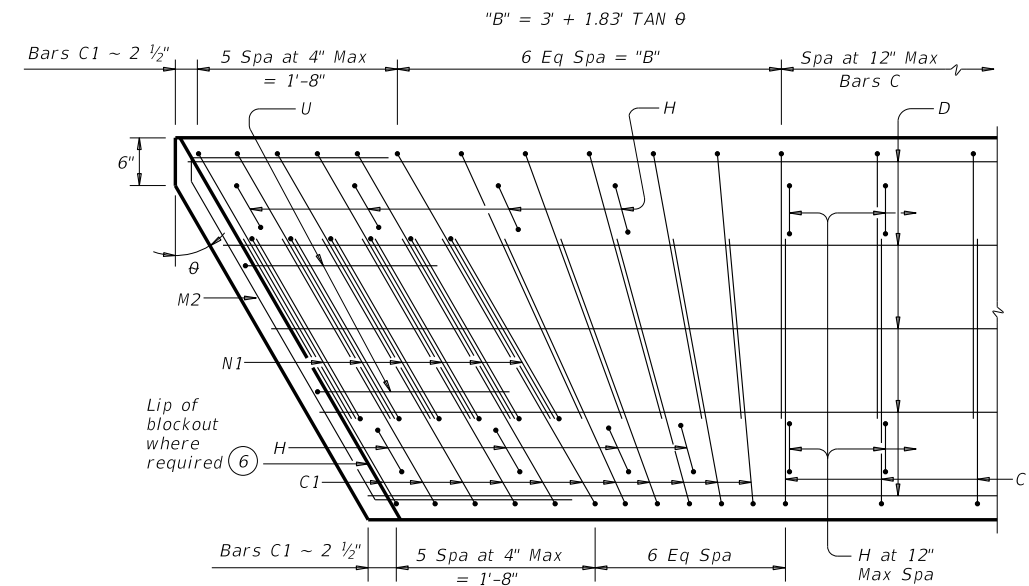


PART PLAN



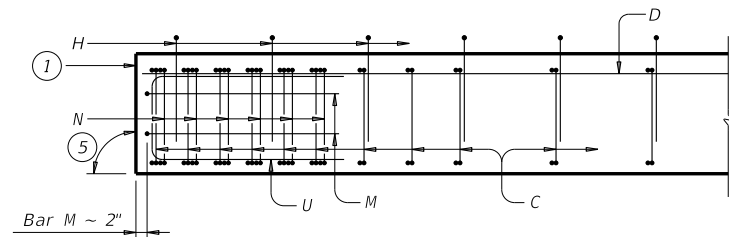
PART SKEW PLAN

(Showing θ over 0° to 15° Skew)

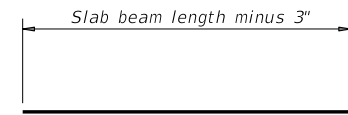


PART SKEW PLAN

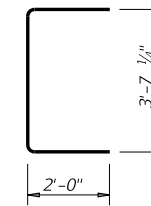
(Showing θ over 15° to 30° Skew)



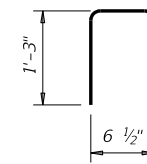
ELEVATION



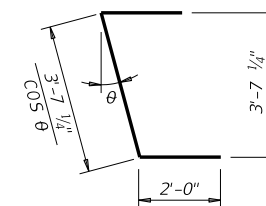
BARS D(#6)



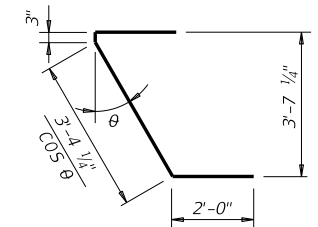
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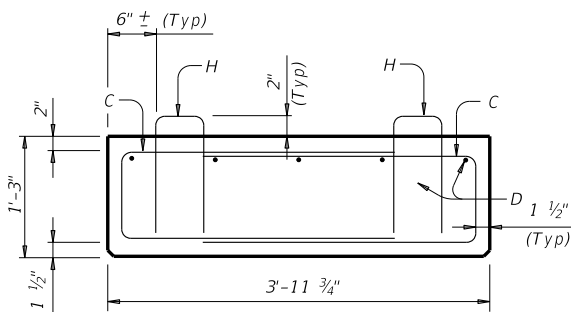
BARS H(#4)



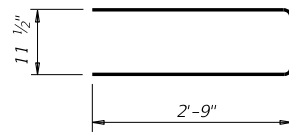
BARS M1(#4)



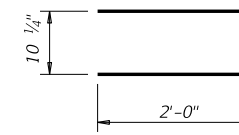
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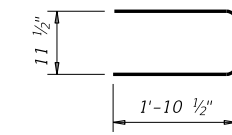
SECTION



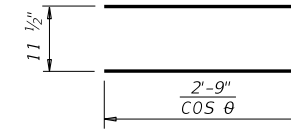
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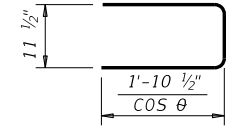
BARS U(#5)



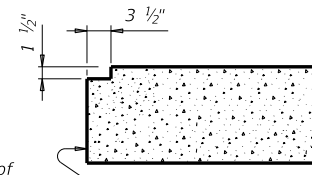
BARS N(#4)



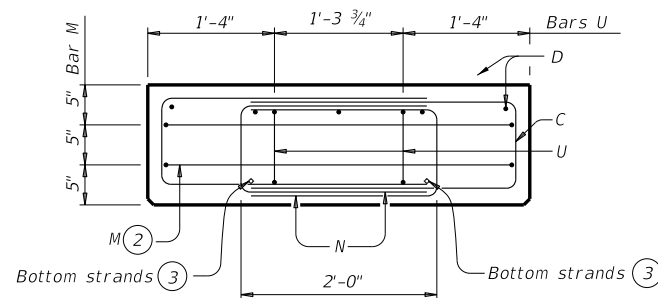
BARS C1(#4)



BARS N1(#4)



ELEVATION OF BLOCKOUT



END MAT REINFORCING

Bars H not shown for clarity.

BEAM PROPERTIES		
Area	in ²	716.2
Y top	in	7.50
Y bott	in	7.50
I	in ⁴	13,429
Weight	lb/ft	746

GENERAL NOTES:

- Designed according to AASHTO LRFD Bridge Design Specifications. Provide Class H concrete. Provide Class H (HPC) if shown elsewhere in the plans.
- Provide Grade 60 reinforcing steel.
- An equal area of welded wire reinforcement (WWR) (ASTM 1064) may be substituted for bars C and D if approved by the Engineer.
- These details can be used for any skew angle up to a maximum of 30 degrees.
- Chamfer all exposed corners 3/4" or round to a 3/4" radius.
- Details are drawn showing right forward skew. See Bridge Layout for actual direction.

Cover dimensions are clear dimensions, unless noted otherwise.
Reinforcing bar dimensions shown are out-to-out of bar.

- ① See End Mat Reinforcing detail.
- ② Adjust bars M vertically to avoid strands.
- ③ See sheet PSBND or PSBSD for strand locations.
- ④ Assumes 150 pcf weight density of concrete.
- ⑤ 90° at conventional interior bents. End of beam must be vertical at abutment backwall and inverted-T stem.
- ⑥ Blockout required at armor joint (AJ) and sealed expansion joint (SEJ) locations to accommodate joint anchorage.

HL93 LOADING



**PRESTRESSED CONCRETE
SLAB BEAM DETAILS
(TYPE 4SB15)**

PSB-4SB15

FILE: PSB-4SB15-17.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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REVISIONS				
DIST	COUNTY			SHEET NO.

DATE: FILE: