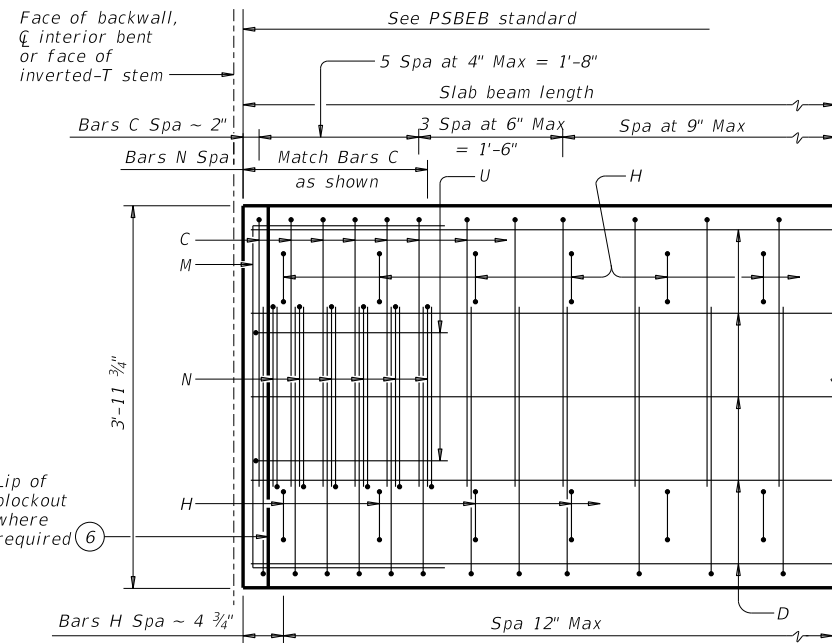
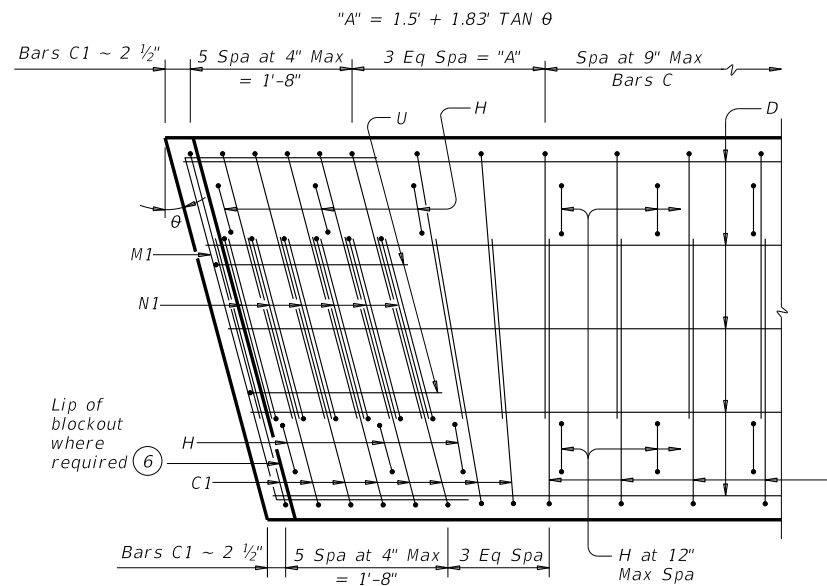


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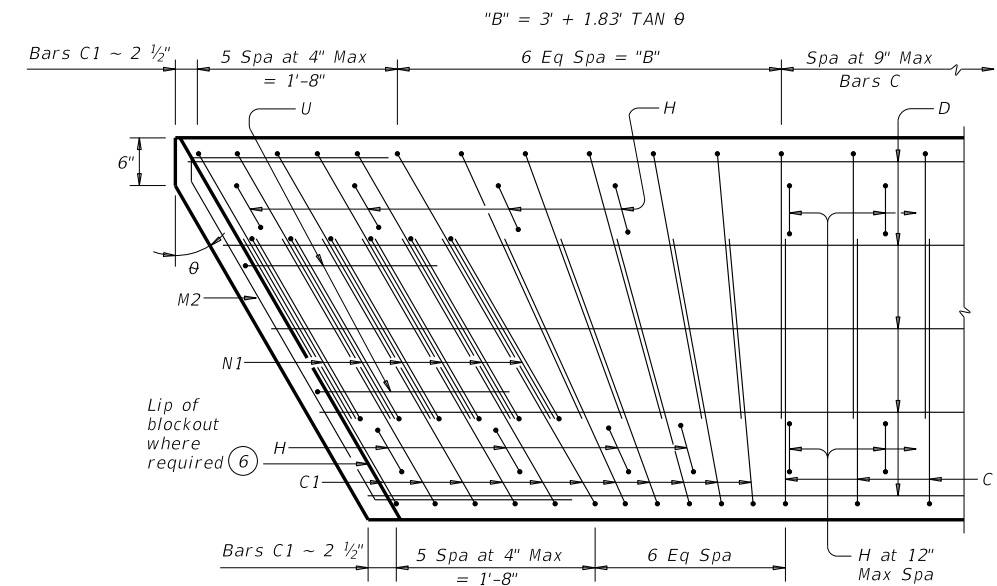


PART PLAN



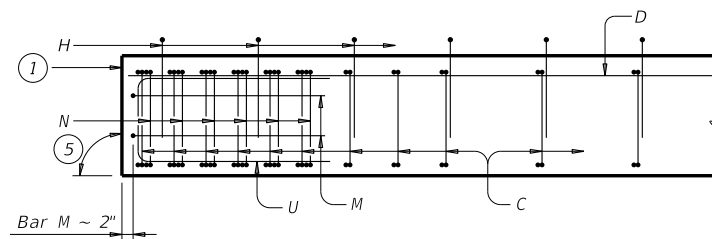
PART SKEW PLAN

(Showing θ over 0° to 15° Skew)

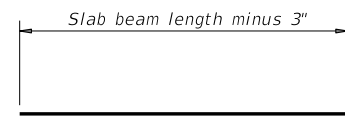


PART SKEW PLAN

(Showing θ over 15° to 30° Skew)



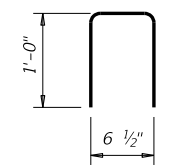
ELEVATION



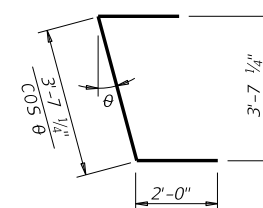
BARS D(#6)



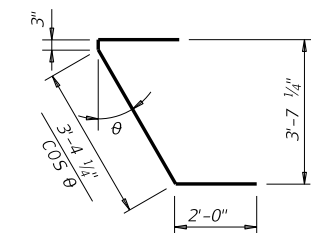
BARS M(#4)



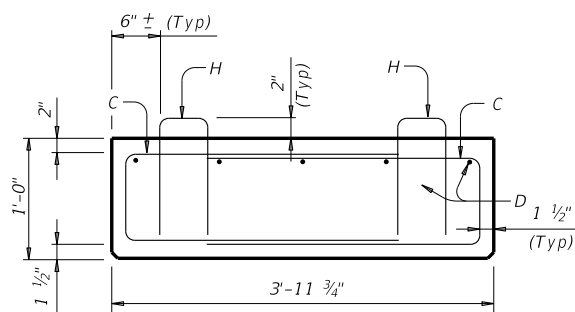
BARS H(#4)



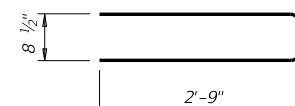
BARS M1(#4)



BARS M2(#4)



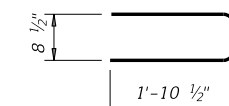
SECTION



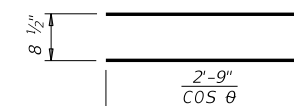
BARS C(#4)



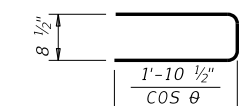
BARS U(#5)



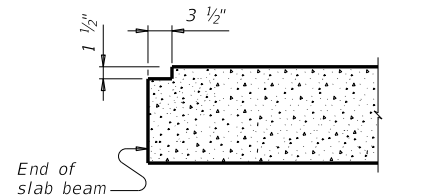
BARS N(#4)



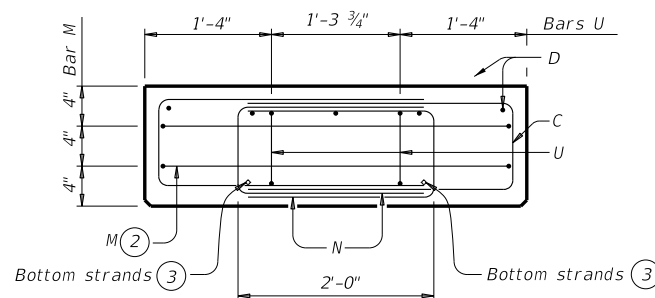
BARS C1(#4)



BARS N1(#4)



ELEVATION OF BLOCKOUT



END MAT REINFORCING

Bars H not shown for clarity.

| BEAM PROPERTIES | | |
|-----------------|-----------------|-------|
| Area | in ² | 573.0 |
| Y top | in | 6.00 |
| Y bott | in | 6.00 |
| I | in ⁴ | 6,876 |
| Weight | lb/ft | 597 |

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

| | | | |
|--|-----------|---------------------------------|-----------|
| | | Bridge Division Standard | |
| PRESTRESSED CONCRETE SLAB BEAM DETAILS (TYPE 4SB12) | | | |
| PSB-4SB12 | | | |
| FILE: PSB-4SB12-17.dgn | DN: TxDOT | CK: TxDOT | DW: TxDOT |
| ©TxDOT January 2017 | CONT | SECT | JOB |
| REVISIONS | | HIGHWAY | |
| DIST | | COUNTY | |
| | | SHEET NO. | |

DATE: FILE: