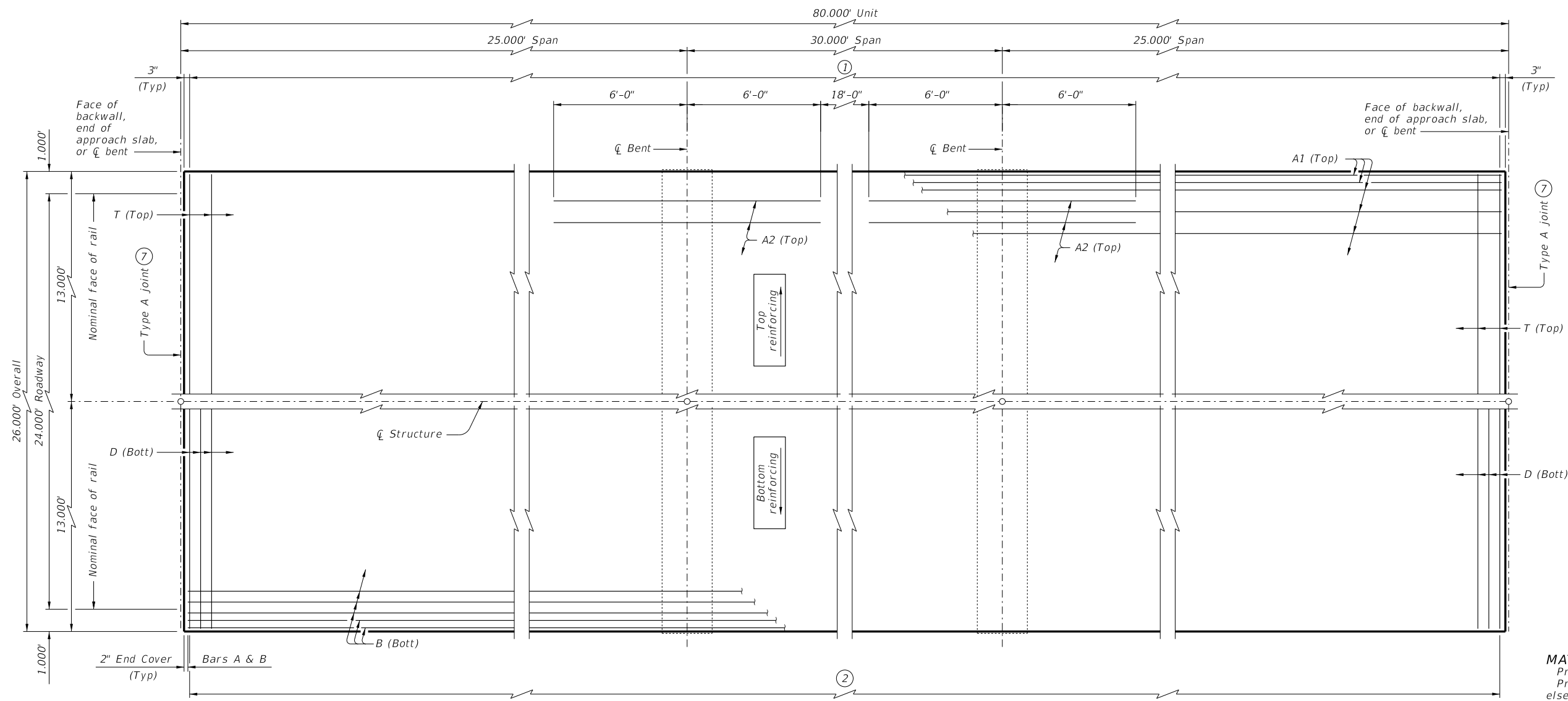
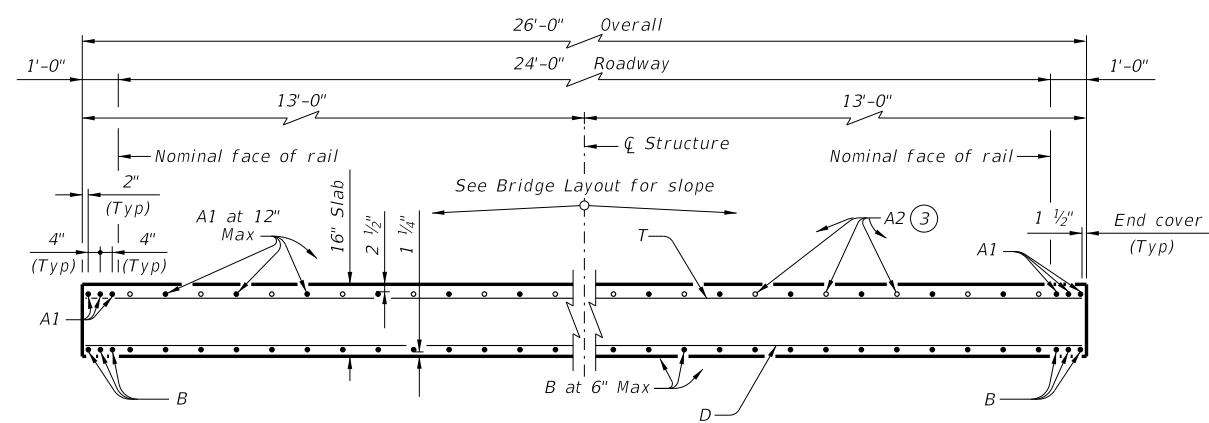


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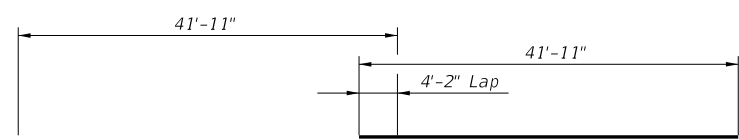
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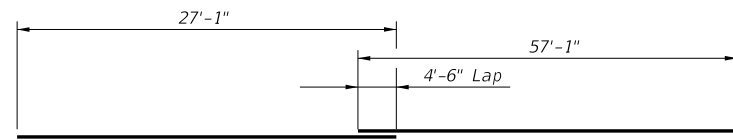
PLAN



TYPICAL TRANSVERSE SECTION



BARS A1



BARS B

TABLE OF ESTIMATED QUANTITIES

CS-80-24

Bar	No.	Size	Length	Weight
A1 (5)	30	#8	83' - 10"	6,715
A2	50	#8	12' - 0"	1,602
B (6)	54	#8	84' - 2"	12,135
D	160	#4	25' - 9"	2,752
T	81	#4	25' - 9"	1,393

Reinforcing Steel	Lb	24,597
Class "S" Concrete	CY	102.7

- ① Bars T (Top) at 12" Max spacing
- ② Bars D (Bott) at 6" Max spacing
- ③ Place Bars A2 between Bars A1 over bent. (See PLAN for placement.)
- ④ Alternate splices over supports.
- ⑤ Length shown includes one 4'-2" lap splice.
- ⑥ Length shown includes one 4'-6" lap splice.
- ⑦ See standard CS-MD for expansion joint details.

TABLE OF LOAD RATING FACTORS

INV	OPR
1.31	1.70

**MATERIAL NOTES:**  
 Provide Class S concrete ( $f'_c = 4,000$  psi).  
 Provide Class S (HPC) concrete if shown elsewhere in the plans.  
 Provide Grade 60 reinforcing steel.

**GENERAL NOTES:**  
 Designed according to AASHTO LRFD Bridge Design Specifications.  
 Load rated using Load and Resistance Factor Rating according to AASHTO Manual for Bridge Evaluation.  
 See Miscellaneous Details for C-I-P Concrete Slab Spans (CS-MD) standard sheet for additional slab span details.  
 Additional bar laps not permitted for Bars A1 and B.  
 See applicable rail details for rail anchorage in slab.  
 This standard does not support the use of transition bents.

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

HL93 LOADING

		<b>Bridge Division Standard</b>	
<b>80' C-I-P CONTINUOUS SLAB UNIT</b> (25'-30'-25') <b>24' ROADWAY</b> <b>CS-80-24</b>			
FILE: CS-CS802400-21.dgn	DN: LMO	CK: BMP	DW: LJC
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