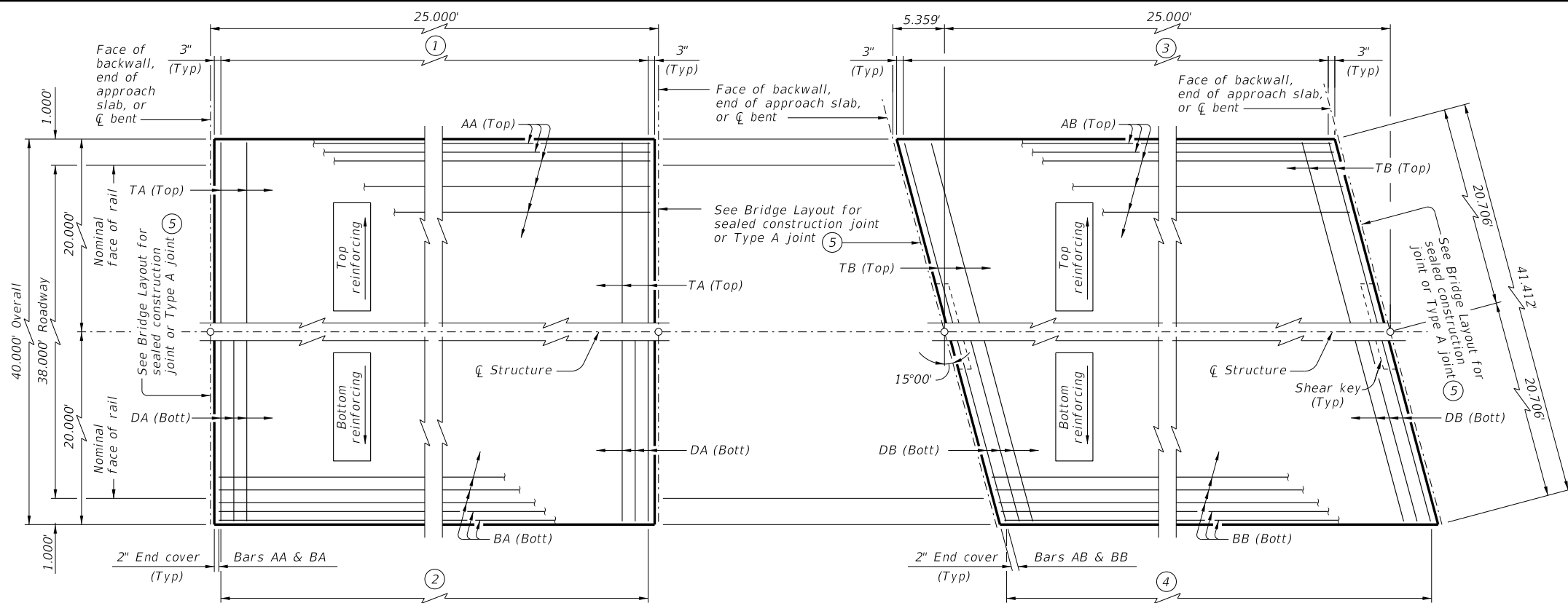


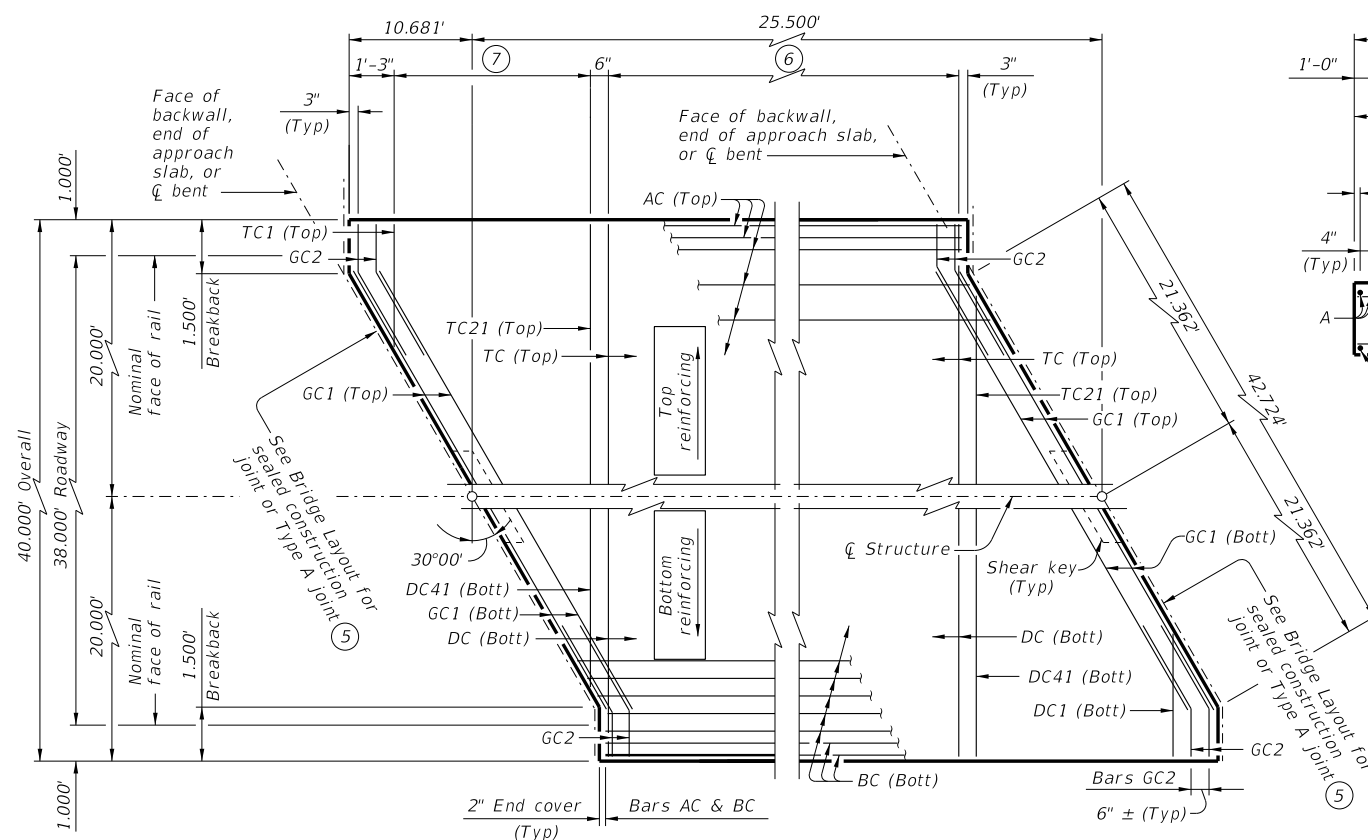
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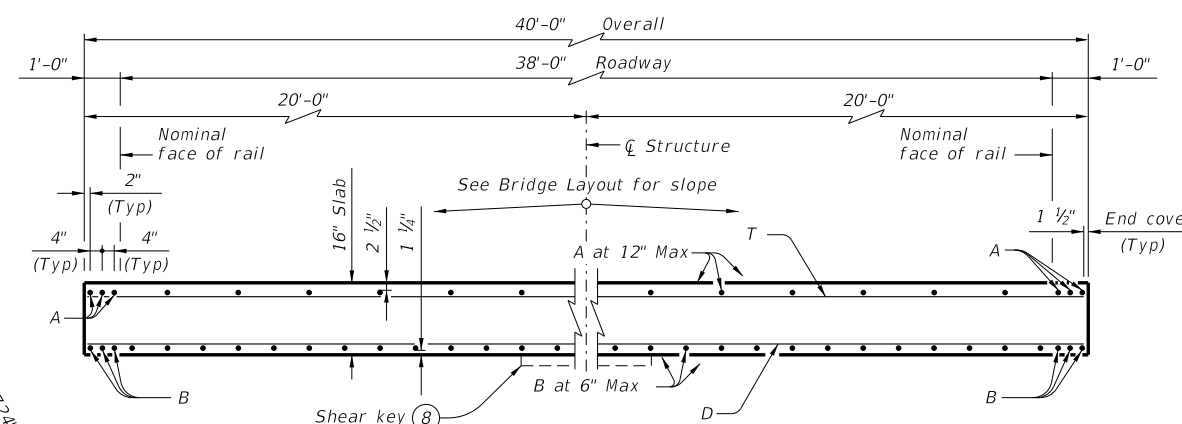


- ① Bars TA (Top) at 12" Max spacing
- ② Bars DA (Bott) at 6" Max spacing

- ③ Bars TB (Top) at 12" Max spacing
- ④ Bars DB (Bott) at 6" Max spacing



- ⑥ Bars TC (Top) at 12" Max spacing
Bars DC (Bott) at 6" Max spacing
- ⑦ Bars TC1-21 (Top) at 12" Max spacing = 19'-10 1/2"
Bars DC1-41 (Bott) at 6" Max spacing = 19'-10 1/2"



⑧ At skewed abutments and bents only.

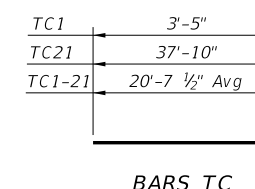
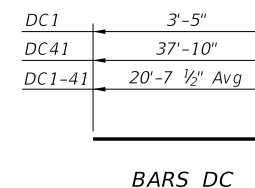


TABLE OF ESTIMATED QUANTITIES ⑤
CS-25-38

Bar	No.	Size	Length	Weight
AA	44	#4	24' - 8"	725
BA	82	#9	24' - 8"	6,877
DA	50	#4	39' - 9"	1,328
TA	26	#4	39' - 9"	690
Reinforcing Steel				Lb 9,620
Class "S" Concrete				CY 49.4

TABLE OF ESTIMATED QUANTITIES ⑤
CS-25-38 (15°)

Bar	No.	Size	Length	Weight
AB	44	#4	24' - 8"	725
BB	82	#9	24' - 8"	6,877
DB	50	#4	41' - 2"	1,375
TB	26	#4	41' - 2"	715
Reinforcing Steel				Lb 9,692
Class "S" Concrete				CY 49.5

⑤ See standard CS-MD for fixed or expansion joint details.

TABLE OF LOAD RATING

Skew	INV	OPR
0	1.27	1.65
15	1.29	1.67
30	1.36	1.76

TABLE OF ESTIMATED QUANTITIES ⑤
CS-25-38 (30°)

Bar	No.	Size	Length	Weight
AC	44	#4	25' - 2"	740
BC	82	#9	25' - 2"	7,016
DC	9	#4	39' - 9"	239
DC1-41	82	#4	20' - 8" Av	1,132
GC1	8	#5	42' - 9"	357
GC2	16	#5	4' - 0"	67
TC	5	#4	39' - 9"	133
TC1-21	42	#4	20' - 8" Av	580
Reinforcing Steel				Lb 10,264
Class "S" Concrete				CY 50.5

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.
Details shown are for right forward skew. See Bridge Layout for actual skew direction.
See Miscellaneous Details for C-I-P Concrete Slab Spans (CS-MD) standard sheet for additional slab span details and quantity adjustments.
Bar laps not permitted for Bars A 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

Texas Department of Transportation Bridge Division Standard

25' C-I-P CONCRETE SLAB SPANS

38 FT ROADWAY 0°-30° SKEW

CS-25-38

FILE: scs04ste-21.dgn	DN: LMO	CK: BMP	DW: LJC	CK: TAR
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REVISIONS				
	DIST	COUNTY	SHEET NO.	