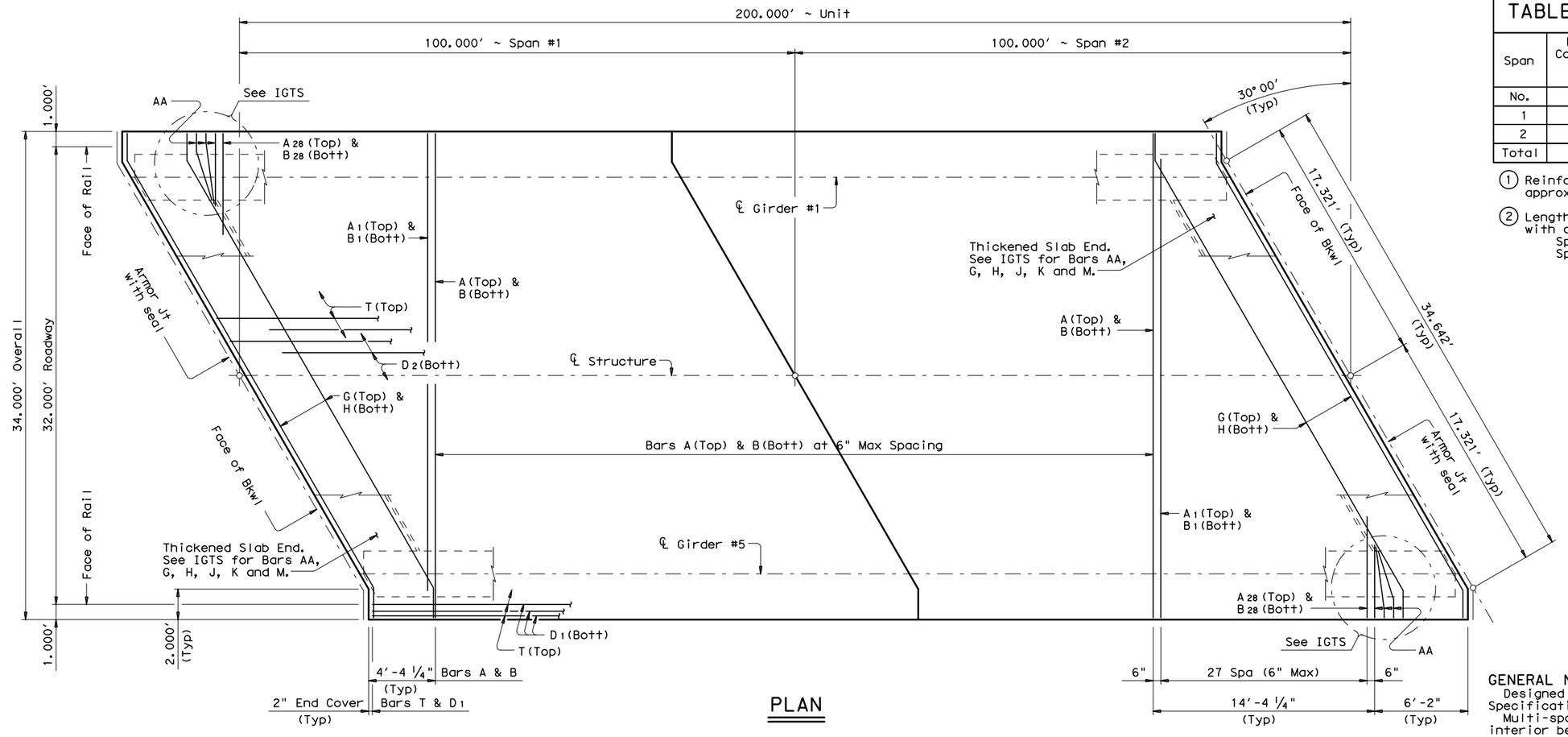
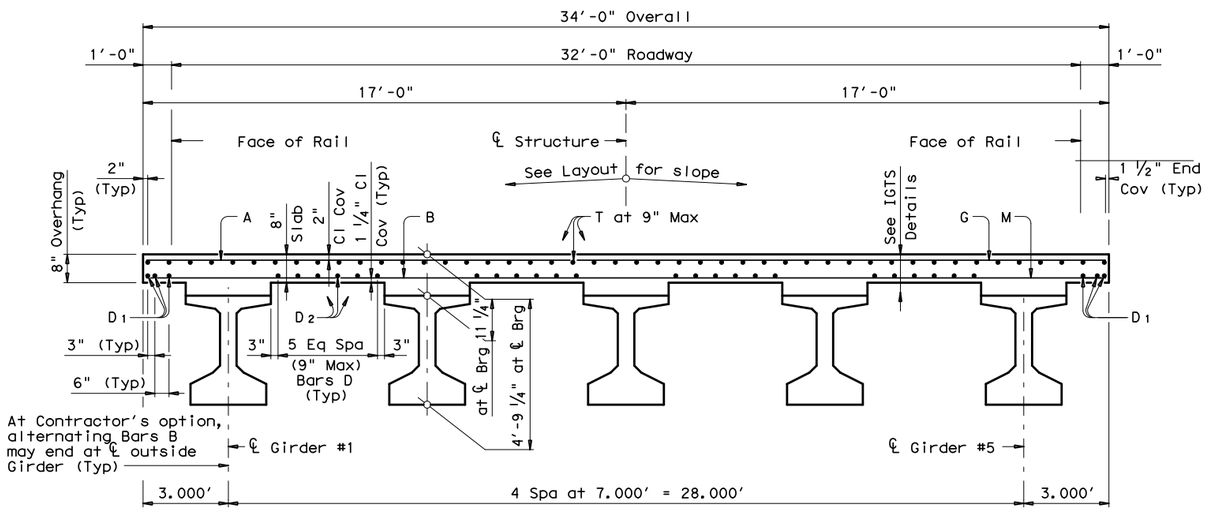
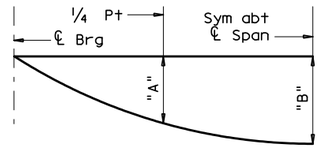


PLAN



TYPICAL TRANSVERSE SECTION

Span No.	Beam No.	"A"	"B"
		Ft	Ft
1	All	0.087	0.122
2	All	0.087	0.122



(E_C= 5 X 10^6 psi)

Deflections shown are due to concrete slab only. Calculated deflections shown are theoretical and actual dimensions may be less. Deflections shall be adjusted based on field observations.

DEAD LOAD DEFLECTION DIAGRAM

TABLE OF ESTIMATED QUANTITIES

Span	Reinf Concrete Slab (HPC)	(2) Prestr Concrete Girders (Ty TX46)	Class "S" Concrete (HPC)	(1) Reinf Steel
No.	SF	LF	CY	Lb
1	3400	497.31	79.8	22100
2	3400	497.35	79.8	22100
Total	6800	994.66	159.6	44200

(1) Reinforcing steel weight is calcualted using an approximate factor of 6.5 Lbs/SF.

(2) Lengths shown are bottom beam flange lengths with adjustments made for beam slope.
Span No. 1 ~ 99.46 LF each beam
Span No. 2 ~ 99.47 LF each beam

BAR TABLE

BAR	SIZE
A	#5
AA	#5
B	#5
D	#5
G	#5
H	#5
J	#5
K	#5
M	#5
T	#4

GENERAL NOTES:

Designed according to AASHTO LRFD Specifications.

Multi-span units, with slab continuous over interior bents, may be formed with the details shown on this sheet and Standard IGCS.

See IGTS Standard for Thickened Slab End Details and quantity adjustments.

See PCP or PMDF Standards for details and quantity adjustments if either of these options are used.

See IGMS Standard for miscellaneous details.

All reinforcing must be Epoxy Coated Grade 60.

Concrete strength f'c = 4,000 psi.

Bar laps, where required, will be as follows:
Epoxy Coated ~ #4 = 2'-1"
~ #5 = 2'-7"

See railing details for rail anchorage in slab.

HL93 LOADING

Texas Department of Transportation
Bridge Division

200.00' PRESTRESSED CONCRETE GIRDER UNIT

FM 261 AT RED MUD CREEK BRIDGE

FILE: 7122pb01.dgn	DN: JSB	CK: GC	DW: LW	CK: JSB
©TxDOT DECEMBER, 2008	DISTRICT	FEDERAL AID PROJECT		SHEET
REVISIONS	CHS			
	COUNTY	CONTROL	SECT	JOB	HIGHWAY
	DICKENS	0949	01	015	FM 261