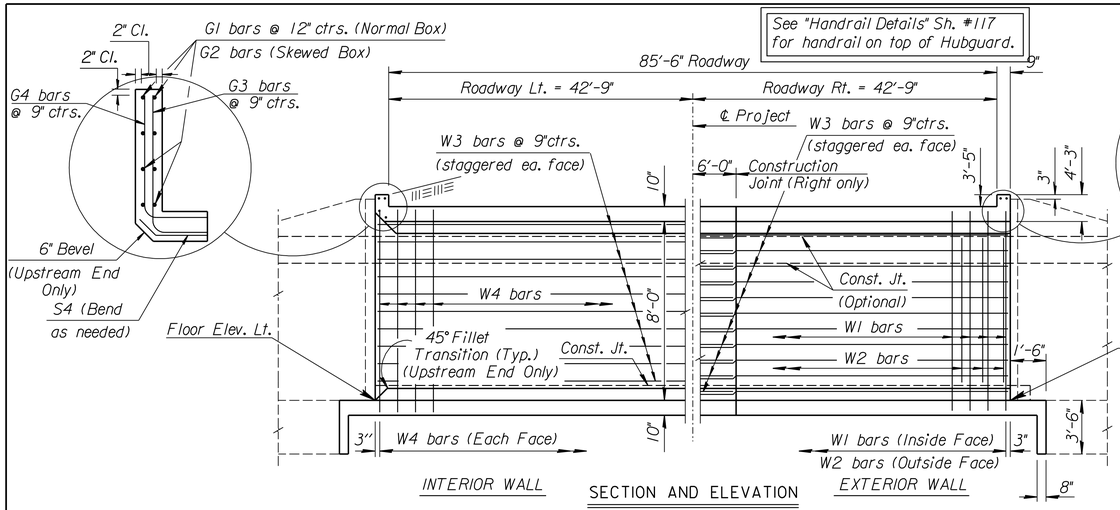
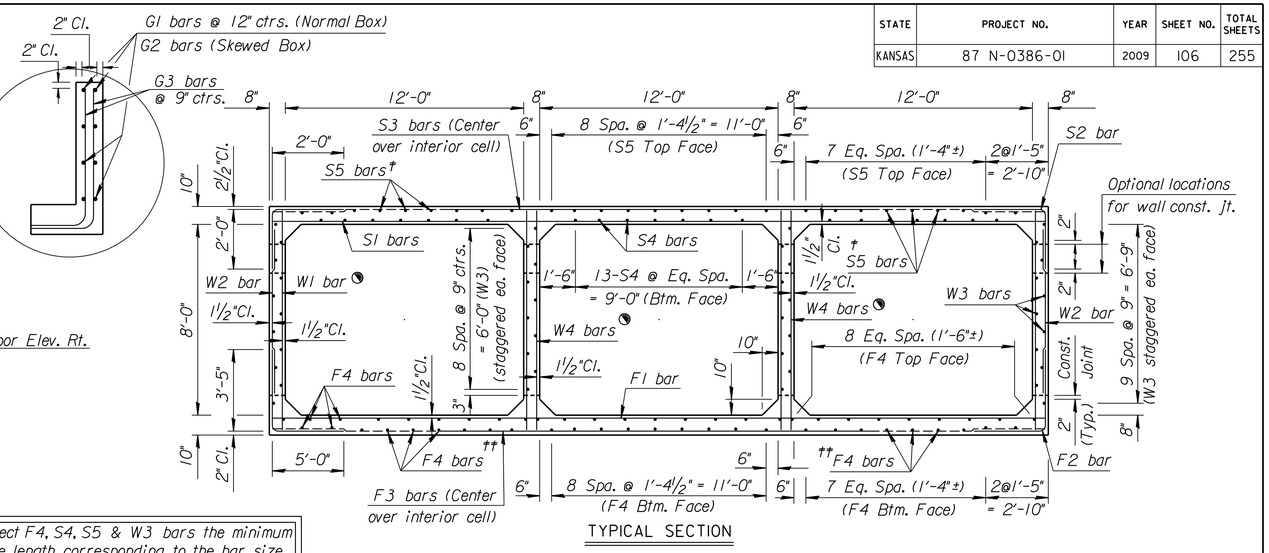
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0386-01	2009	106	255

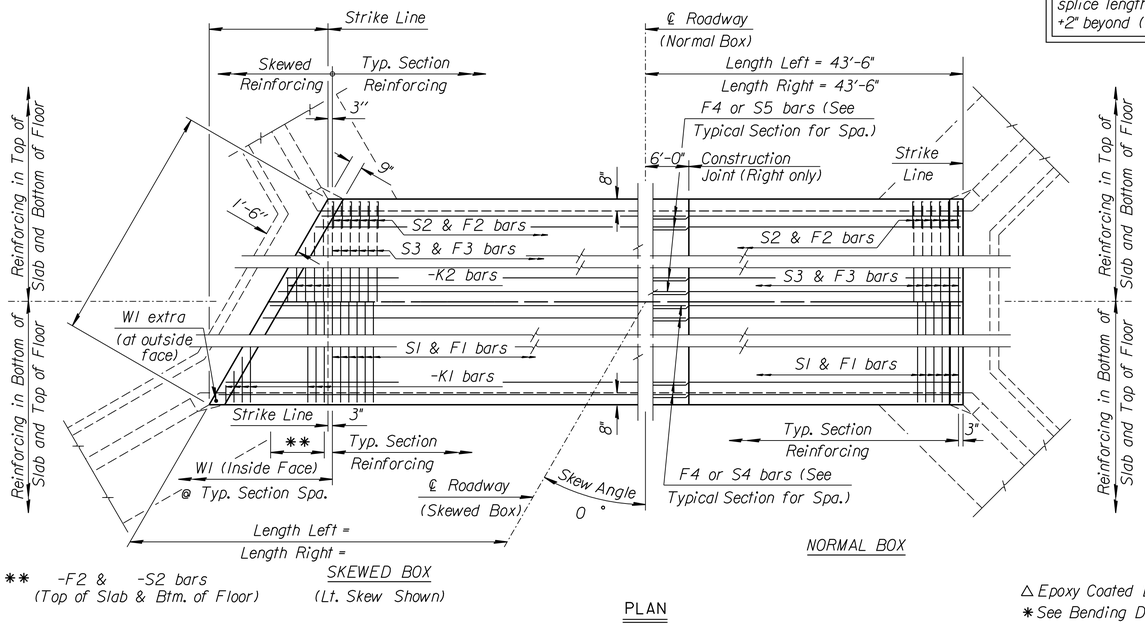




Project F4, S4, S5 & W3 bars the minimum splice length corresponding to the bar size +2" beyond (left of) the Construction Joint.

See "Triple 12 ft x 8 ft RFB Left of Construction Joint" sheet #105 for General Notes.

◔ See RCB Auxiliary Details for Optional Splice.
† Place when S3 bar extends to exterior walls.
†† Place when F3 bar extends to exterior walls.



** -F2 & -S2 bars (Top of Slab & Btm. of Floor)

△ Epoxy Coated Bars
✱ See Bending Diagram

BENDING DIAGRAM

All Dimensions are out to out of bars.

Minimum Splice Lengths	
#4	1'-4"
#5	1'-8"
#6	2'-0"

⧗ For design purposes ONLY. Do NOT use for Construction — CULVERT SUMMARY — ◔ includes any apron & soil saver welded wire fabric

Floor Elev. Lt.	Floor Elev. Rt.	Crown Gr. Elev.	⧗ Design Fill Ht.	Skew	Left Wings	Right Wings	Scour Apron	Soil Saver	Concrete (Right of Const. Jt.) Barrel (Cu.Yds.)	Wings & Parapets (Cu.Yds.)	Apron (Cu.Yds.)	Total (Cu.Yds.)	Reinf. Steel (Gr. 60) (Right of Const. Jt.) Barrel (Lbs.)	◔ Wings (Lbs.)	Total (Lbs.)
1322.00	1321.62	1334.17	0	0	FLARED	FLARED	YES-RT.	YES-LT.	128.58	34.92	16.85	180.35	25,858	3,325	29,183

BAR SCHEDULE (RIGHT OF CONST. JT.)

F1 Size	Spa.	No.	Length	F2 ✱ Size	Spa.	No.	Length	F3 Size	Spa.	No.	Length	F4 Size	No.	Length	△ S1 Size	Spa.	No.	Length	△ S2 ✱ Size	Spa.	No.	Length	△ S3 Size	Spa.	No.	Length	△ S4 Size	No.	Length	△ S5 Size	No.	Length
4	6"	75	38'-4"	6	7"	128	8'-5"	7	7"	64	25'-0"	4	48	38'-10"	6	6"	75	38'-4"	5	7"	128	4'-0"	7	7"	64	38'-4"	4	39	38'-10"	4	27	38'-10"

W1 Size	Spa.	No.	Length	W2 Size	Spa.	No.	Length	W3 Size	No.	Length	W4 Size	Spa.	No.	Length	△ G1 Size	No.	Length	△ G3✱ Size	Spa.	No.	Length
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5	1'-0"	76	9'-4"	5	7"	128	7'-4"	4	38	38'-10"	6	1'-0"	152	9'-4"	6	8	38'-4"	6	9"	106	5'-10"

SUMMARY OF QUANTITIES (RIGHT OF CONST. JT.)	
Concrete (Grade 4.0)	116.5 C.Y.
Concrete (Grade 4.0)(AE)	63.8 C.Y.
Reinforcing Steel (Gr. 60)	16,210 Lbs.
Reinforcing Steel (Gr. 60)(Epoxy Coated)	12,970 Lbs.
Class III Excavation	166 C.Y.
Foundation Stabilization	54 C.Y.
Bridge Handrail (Metal)(3'-6")	77 L.F.
Crushed Rock Base	265 C.Y.
Geotextile Fabric	93 S.Y.
Slope Protection (Riprap Stone)(24")	70 C.Y.

NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION
BR. NO. 43040087005BTII Sta. 112+13
TRIPLE 12 ft x 8 ft RFB
RIGHT OF CONSTRUCTION JOINT

~~BR 3,12,8 F~~ Sedgwick Co.

FHWA APPROVAL		6-5-91	APP'D	KENNETH F. HURST
DESIGNED	BS	DETAILED	BS	QUANTITIES BS TRACED
DESIGN CK.	AH	DETAIL CK.	AH	QUAN.CK. SB TRACE CK.

Plotted By: -
Plot Location: $UNIT$
File: $$$$$$$$$$$$DONSPEC$$$$$$$$$$$$$
Plot Date: 11/24/2009