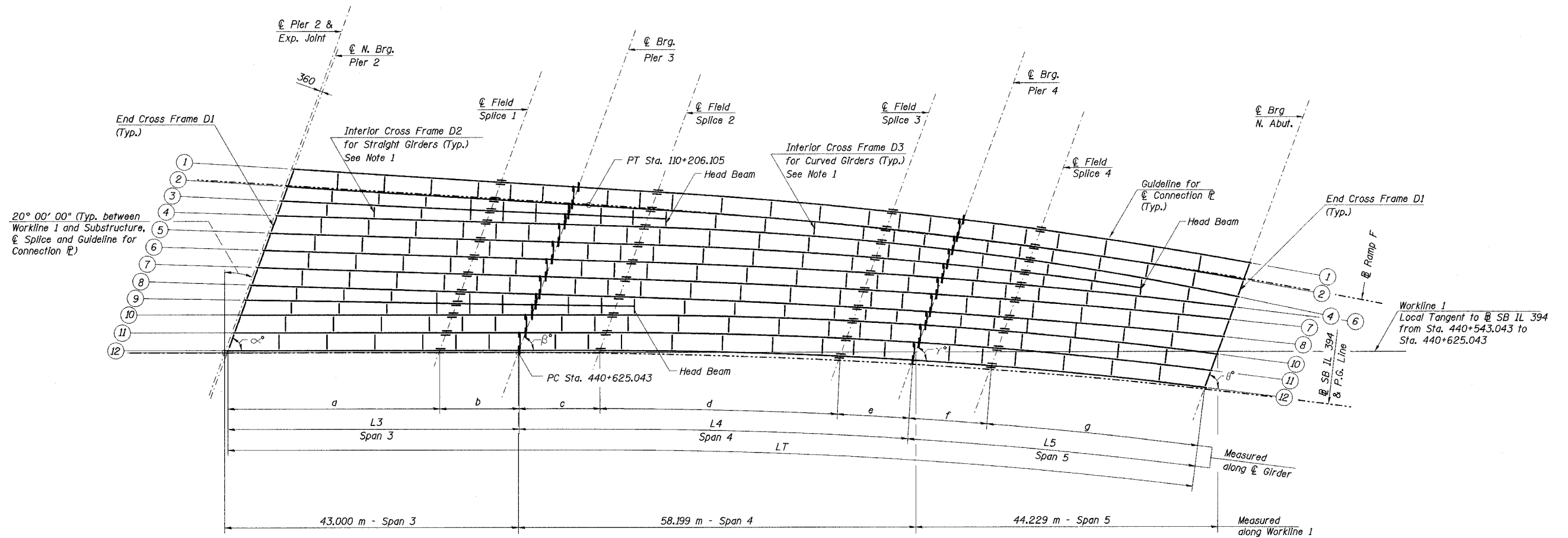


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 35
F. A. I. 80/94	*	COOK	870	549	91 SHEETS
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-			
(0203.1 & 0312-708W) R-3			CONTRACT NO. 62108		



FRAMING PLAN

GIRDER GENERAL DIMENSIONS (Length in meters)

Girder	Span 3			Span 4				Span 5			Total LT = L3+L4+L5	Radius R	Angle of Girder Orientation			
	a	b	L3=a+b	c	d	e	L4=c+d+e	f	g	L5=f+g			α°	β°	γ°	θ°
1	30.381	11.362	41.743	11.607	34.550	10.478	56.635	11.407	30.986	42.393	140.771	750.377	73° 36' 46"	73° 36' 46"	77° 03' 03"	80° 17' 17"
2	30.381	11.362	41.743	11.607	34.555	10.481	56.643	11.411	31.000	42.411	140.797	768.670	73° 36' 46"	73° 36' 46"	76° 58' 11"	80° 07' 52"
3	30.527	11.417	41.944	14.318	-	-	14.318	-	-	-	56.262	-	72° 42' 18"	72° 42' 18"	-	-
4	30.680	11.474	42.154	11.721	34.748	10.491	56.960	11.403	30.899	42.302	141.416	503.863	71° 48' 23"	71° 48' 23"	76° 57' 03"	81° 45' 40"
5	30.680	11.474	42.154	11.721	34.829	10.541	57.091	11.466	17.101	28.567	127.812	661.475	71° 48' 23"	71° 48' 23"	75° 44' 11"	-
6	30.680	11.474	42.154	11.721	34.920	10.599	57.240	11.542	31.358	42.900	142.294	993.453	71° 48' 23"	71° 48' 23"	74° 25' 54"	76° 54' 21"
7	30.680	11.474	42.154	11.721	34.956	10.623	57.300	11.574	31.471	43.045	142.499	1233.121	71° 48' 23"	71° 48' 23"	73° 55' 27"	75° 55' 27"
8	30.680	11.474	42.154	11.721	34.958	10.624	57.303	11.575	31.475	43.050	142.507	1242.425	71° 48' 23"	71° 48' 23"	73° 54' 30"	75° 53' 37"
9	30.845	11.536	42.381	14.467	-	-	14.467	-	-	-	56.848	-	70° 53' 45"	70° 53' 45"	-	-
10	31.017	11.600	42.617	11.850	35.181	10.635	57.666	11.562	31.329	42.891	143.174	672.128	70° 00' 00"	70° 00' 00"	73° 54' 20"	77° 33' 43"
11	31.017	11.600	42.617	11.850	35.189	10.641	57.680	11.569	31.351	42.920	143.217	690.950	70° 00' 00"	70° 00' 00"	73° 48' 01"	77° 21' 34"
12	31.017	11.600	42.617	11.850	35.197	10.645	57.692	11.575	31.373	42.948	143.257	709.488	70° 00' 00"	70° 00' 00"	73° 42' 07"	77° 10' 13"

Notes:

- Girder 3 and 9 are straight Girders. All the remaining Girders are straight from Pier 2 to Field Splice 2 and curved from Field Splice 2 to N. Abut. with their Radli shown in the table.
- Angle of Girder Orientation is the Angle between \hat{C} Brg and Local Tangent to \hat{C} Girder at the intersection of \hat{C} Brg and \hat{C} Girder.
- Dimension "c" for G3 and G9, Dimension "g" for G5 are measured to \hat{C} Head Beams.
- Work this sheet with Sheet Nos. 36 - 42 of 91.

DESIGNED	JY
CHECKED	MEA
DRAWN	LK
CHECKED	MEA

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-94 EAST BOUND / IL 394 SOUTH BOUND
GENERAL FRAMING PLAN
SPANS 3-5 - UNIT 1
SB IL ROUTE 394 OVER THORN CREEK
F.A.P. 332 SECTION (0203.1 & 0312-708W) R-3
COOK COUNTY
STA. 440+704.350 STRUCTURE NO. 016-2800
DATE JUL 18, 2005
SCALE ---

HNTB

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 16-SEP-2005 13:17
 L.Kaltes