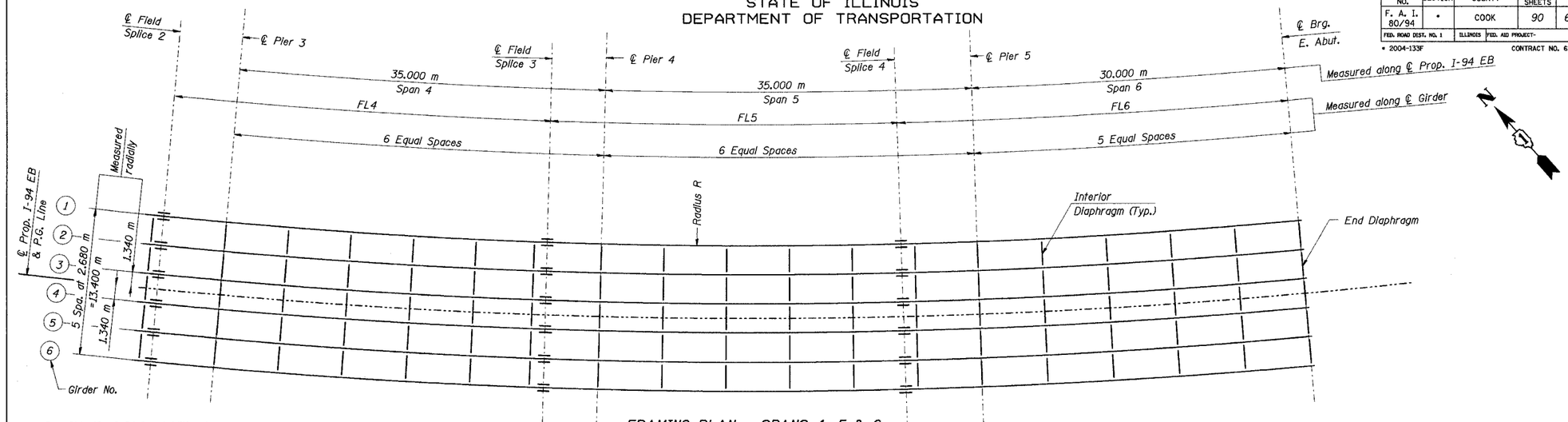
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. 80/94	*	COOK	90	68
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

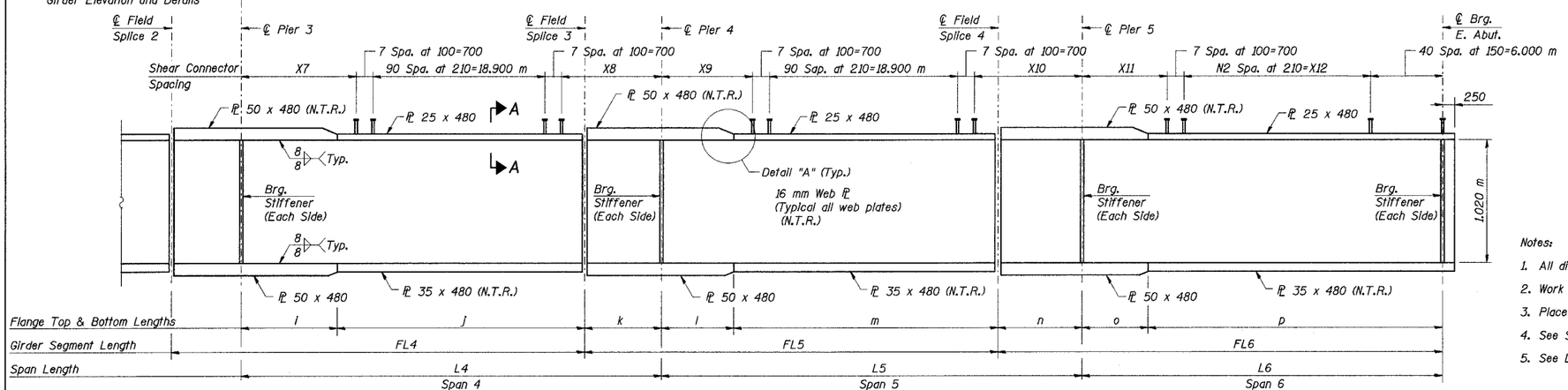
SHEET NO. 11
21 SHEETS

* 2004-133F
CONTRACT NO. 62898



FRAMING PLAN - SPANS 4, 5 & 6

See Sht. 10 of 21 for Additional Girder Elevation and Details



ELEVATION - GIRDERS

(All Plates AASHTO M270, Grade 345)
(N.T.R. denotes plates to which notch toughness requirements are applicable)

Notes:

1. All dimensions are in millimeters (mm) except as noted.
2. Work this sheet with Sheet Nos. 10 & 12 of 21.
3. Place all diaphragms radially.
4. See Section A-A on Sht. No. 13 of 21.
5. See Detail A on Sht. No. 10 of 21.

GIRDER SPAN LENGTH (Meters)

Girder	L4	L5	L6
1	34.581	34.581	29.641
2	34.749	34.749	29.785
3	34.916	34.916	29.928
4	35.084	35.084	30.072
5	35.251	35.251	30.215
6	35.419	35.419	30.359

SHEAR CONNECTOR SPACING (Length in Meters)

Girder	N2	X7	X8	X9	X10	X11	X12
1	82	8.098	6.183	6.396	7.885	5.721	17.220
2	82	8.105	6.344	6.504	7.945	5.865	17.220
3	83	8.146	6.470	6.524	8.092	5.798	17.430
4	85	8.231	6.553	6.646	8.138	5.522	17.850
5	85	8.376	6.575	6.864	8.087	5.665	17.850
6	85	8.467	6.652	6.793	8.326	5.809	17.850

"NOT IN CONTRACT"

GIRDER DIMENSIONS (Meters)

		Span 4			Span 5			Span 6	
Girder	Radius R	l	j	k	l	m	n	o	p
1	553.300	7.745	21.946	4.891	5.928	21.734	6.919	5.285	24.356
2	555.980	7.782	22.052	4.914	5.957	21.840	6.952	5.311	24.474
3	558.660	7.820	22.159	4.938	5.986	21.945	6.986	5.336	24.592
4	561.340	7.857	22.265	4.962	6.014	22.050	7.019	5.362	24.710
5	564.020	7.895	22.371	4.986	6.043	22.156	7.053	5.387	24.828
6	566.700	7.932	22.477	5.009	6.072	22.261	7.086	5.413	24.946

GIRDER SEGMENT LENGTH (Meters)

Girder	FL4	FL5	FL6
1	35.184	32.553	36.560
2	35.355	32.711	36.737
3	35.525	32.869	36.914
4	35.696	33.026	37.091
5	35.866	33.184	37.268
6	36.036	33.342	37.445

DESIGNED	JY
CHECKED	MAS
DRAWN	LK
CHECKED	KGN

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-94 EAST BOUND / IL 394 SOUTH BOUND
FRAMING PLAN & GIRDER ELEVATION
2 OF 2
EB I-94 OVER THORN CREEK
F.A.I. 94 SECTION 2004-133F
COOK COUNTY
STA. 20+509.000 STRUCTURE NO. 016-2807
DATE 05/16/05
SCALE ---

HNTB

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