

F.A. ROUTE	SECTION
999	82-1B-2
FED. AID PROJECT	ILLINOIS
COUNTY	ST. CLAIR

USER NAME = jcolliff
PLOT SCALE = #SCALE#
PLOT DATE = 4/14/2010
DESIGNED - HNTB
CHECKED - CMT
DRAWN - CMT / HNTB
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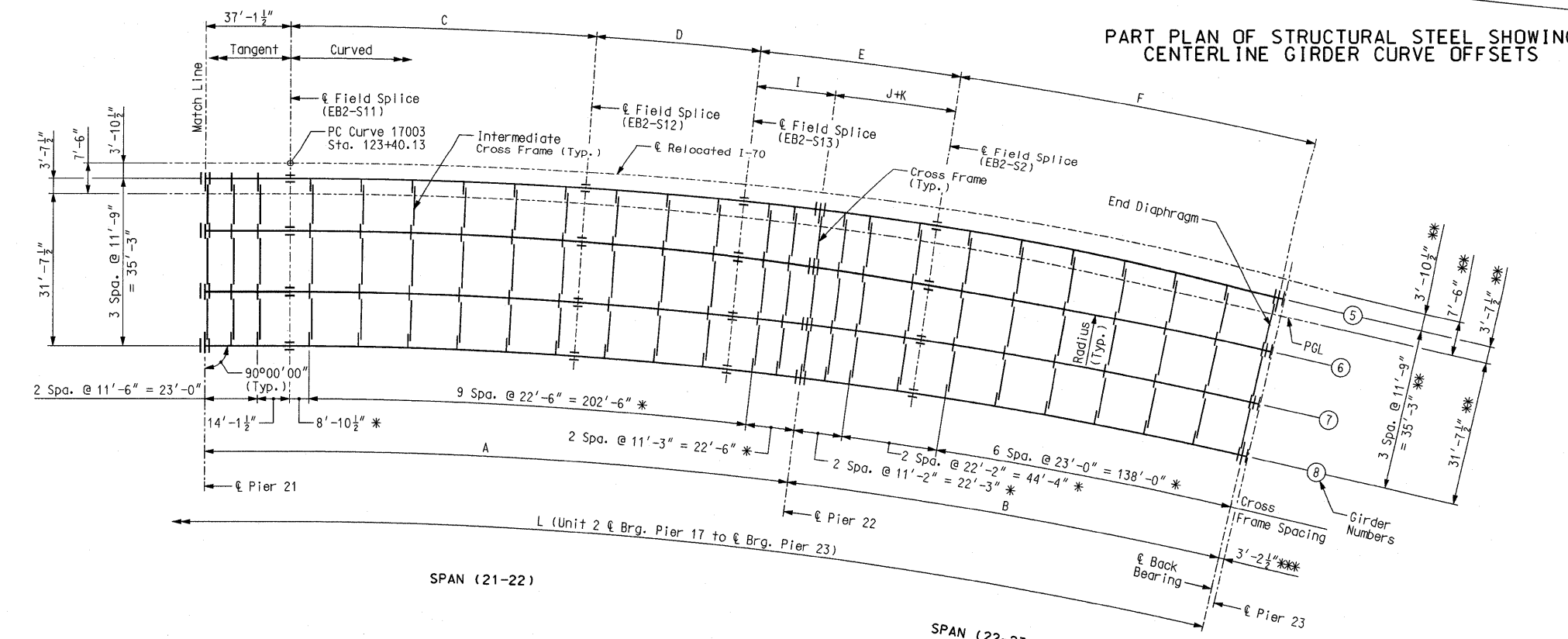
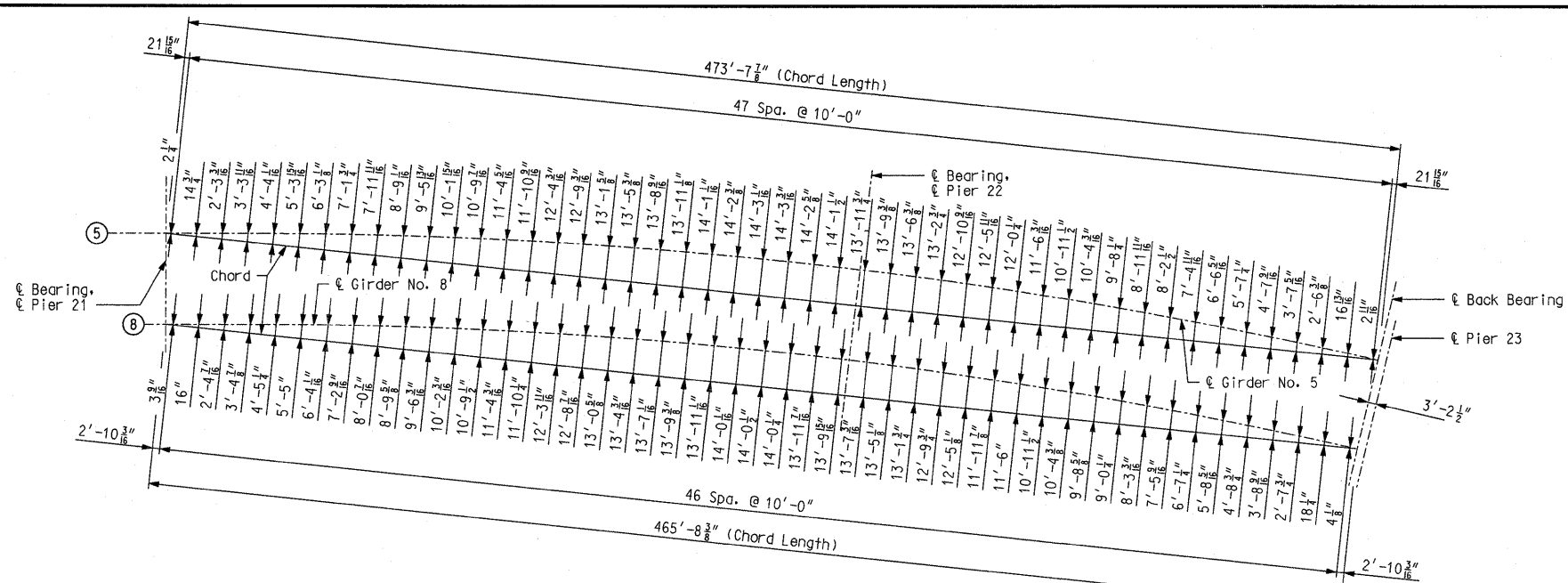
ILLINOIS APPROACH STRUCTURE
FOR NEW I-70 MISSISSIPPI RIVER BRIDGE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISSOURI HIGHWAYS
AND TRANSPORTATION COMMISSION

HNTB
715 KIRK DRIVE
KANSAS CITY, MO 64105
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

CMT
CRAWFORD, MURPHY & TILLY, INC.
2750 WEST WASHINGTON STREET
SPRINGFIELD, IL 62702
TELEPHONE (217) 787-8050
ENGINEERING CORPORATION - 000631



SPAN (21-22)

SPAN (22-23)

FRAMING PLAN
Span (21-22) & (22-23)

* Measured along ϵ Relocated I-70.
** Dimensions shown are measured radially.
*** ϵ Back Bearing is measured parallel to ϵ Pier 23

Girder	Radius (Feet)	Girder Length		Flange Length								Total Length L	
		A	B	C	D	E	F	G	H	I	J		K
ϵ I-70	1952.500	271'-0"	204'-8"	-	-	-	-	-	-	-	-	-	-
Girder 5	1948.625	270'-6 3/8"	204'-3"	129'-8 7/8"	69'-10 3/8"	104'-2 7/8"	133'-9 7/8"	52'-11 5/8"	76'-9 3/8"	33'-9 5/8"	35'-2 5/8"	35'-2 5/8"	1625'-7 1/2"
Girder 6	1936.875	269'-1 1/2"	203'-0"	128'-11 1/2"	69'-5 3/8"	103'-7 1/4"	132'-11 7/8"	52'-7 3/4"	76'-3 3/4"	33'-7 1/4"	35'-0"	35'-0"	1622'-11 5/8"
Girder 7	1925.125	267'-8 5/8"	201'-9"	128'-2 1/2"	69'-0 1/4"	102'-11 3/4"	132'-2"	52'-4"	75'-10 1/4"	33'-4 3/4"	34'-9 1/2"	34'-9 1/2"	1620'-3 3/8"
Girder 8	1913.375	266'-3 3/4"	200'-6"	127'-4 3/4"	68'-7 1/4"	102'-4 1/4"	131'-4 1/8"	52'-0 3/8"	75'-4 5/8"	33'-2 1/4"	34'-7"	34'-7"	1617'-7 3/4"

Notes:
Longitudinal dimensions are horizontal arc dimensions from centerline bearing to centerline bearing.
For girder elevation and additional flange transition dimension information, see Sheet No. 63.
Diaphragms in curved portion of girders shall be placed radially.
For field splice detail, see Sheet Nos. 84 and 85.
For cross frame and diaphragm details, see Sheet No. 87.
For stiffener and miscellaneous steel details, see Sheet No. 88.

FRAMING PLAN EB - UNIT 2 (2 OF 2)