

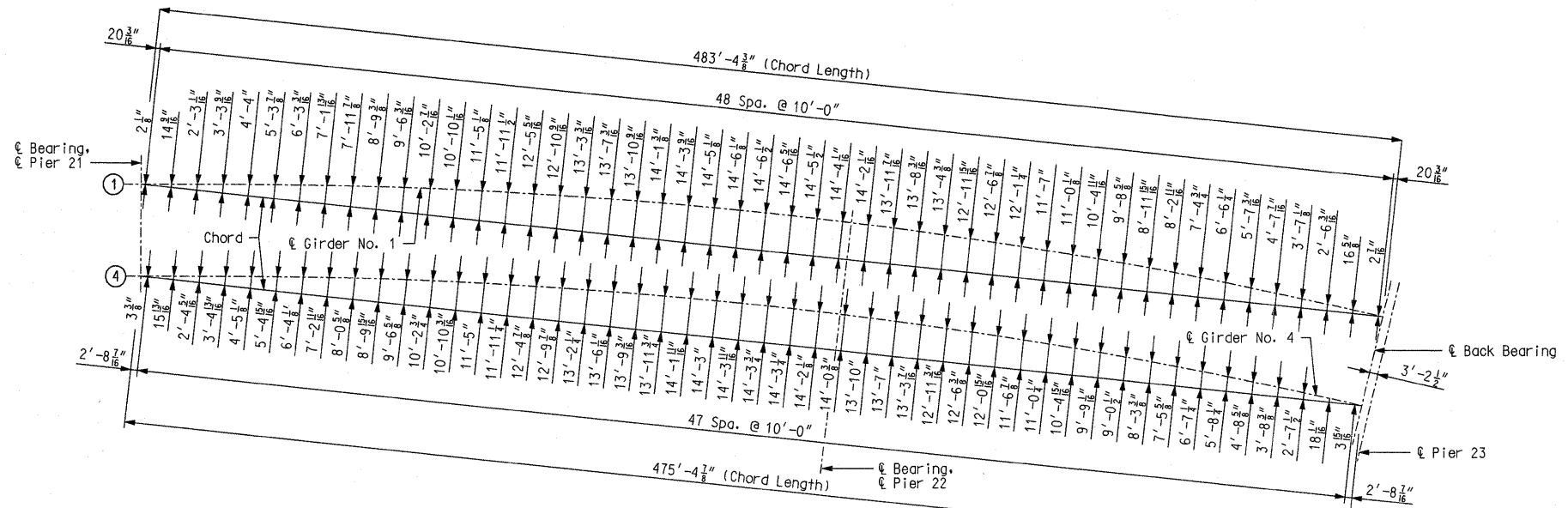
CONTRACT NO. 76D61	
F.A. ROUTE	SECTION
999	82-1B-2
FED. AID PROJECT	ILLINOIS
COUNTY	ST. CLAIR
USER NAME = jcolliff	
PLOT SCALE = #SCALE#	
PLOT DATE = 4/14/2010	
DESIGNED -	HNTB
CHECKED -	CMT
DRAWN -	CMT / HNTB
REVISED -	
REVISED -	
REVISED -	
REVISED -	

ILLINOIS APPROACH STRUCTURE
FOR NEW I-70 MISSISSIPPI RIVER BRIDGE

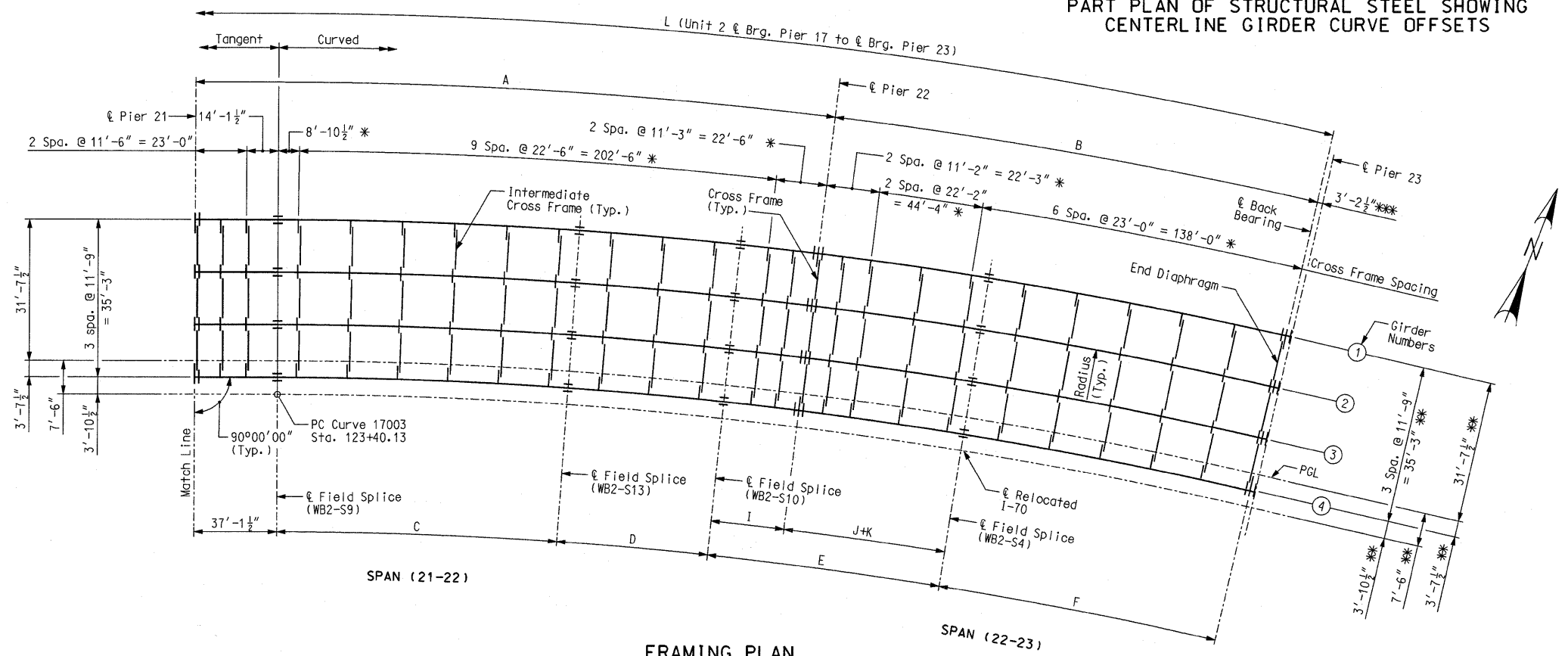
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
MISSOURI HIGHWAYS
AND TRANSPORTATION COMMISSION

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, ILL 62702
TELEPHONE (217) 787-8050
ENGINEERING CORPORATION - 000631



PART PLAN OF STRUCTURAL STEEL SHOWING
CENTERLINE GIRDER CURVE OFFSETS



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

Girder	Radius (Feet)	Girder Length		Flange Length										Total Length L
		A	B	C	D	E	F	G	H	I	J	K		
Girder 1	1991.625	275'-8 1/4"	208'-10"	132'-7 3/8"	71'-4 1/8"	107'-10 5/8"	135'-5 7/8"	43'-1 5/8"	89'-5 3/4"	34'-6 1/2"	35'-2 1/2"	38'-1 5/8"	1558'-4 1/4"	
Girder 2	1979.875	274'-3 3/8"	207'-7"	131'-10"	70'-11 3/4"	107'-3"	134'-8 1/8"	42'-10 5/8"	88'-11 3/8"	34'-4 1/8"	35'-0"	37'-10 7/8"	1555'-8 3/8"	
Girder 3	1968.125	272'-10 1/2"	206'-3 3/8"	131'-0 5/8"	70'-6 3/4"	106'-7 3/8"	133'-10 1/4"	42'-7 1/2"	88'-5"	34'-1 5/8"	34'-9 1/2"	37'-8 1/2"	1553'-0 3/8"	
Girder 4	1956.375	271'-5 5/8"	205'-0 3/8"	130'-3 1/8"	70'-1 3/4"	105'-11 3/4"	133'-0 1/2"	42'-4 3/8"	87'-10 3/4"	33'-11 1/4"	34'-7"	37'-5 1/2"	1550'-4 1/2"	
I-70	1952.500	271'-0"	204'-8"	-	-	-	-	-	-	-	-	-	-	

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

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. 60.
Diaphragms in curved portion of girders shall be placed radially.
For field splice detail, see Sheet Nos. 82 and 83.
For cross frame and diaphragm details, see Sheet No. 87.
For stiffener and miscellaneous steel details, see Sheet No. 88.

Detailed JUL 2009
Checked JUL 2009

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 51 of 152

FRAMING PLAN WB - UNIT 2 (2 OF 2)