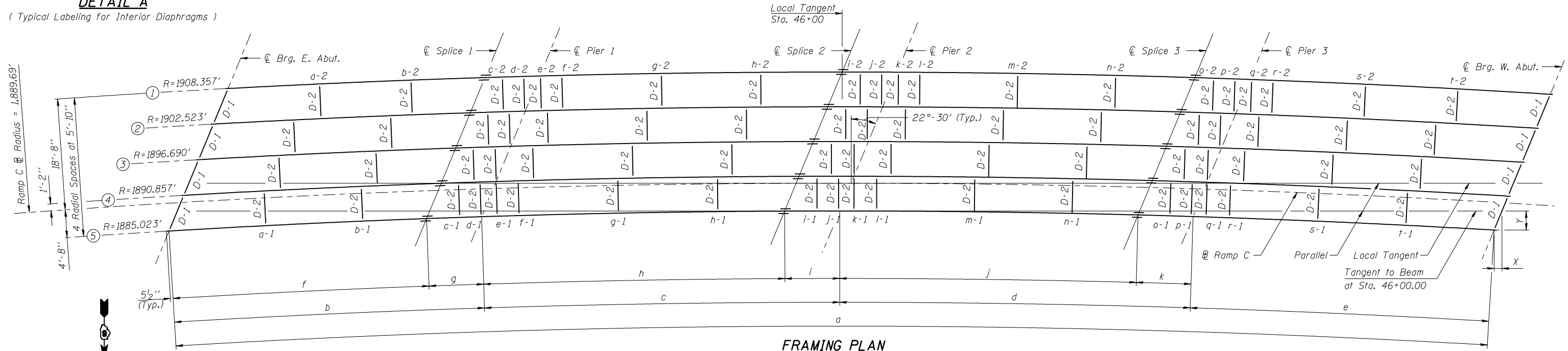


DETAIL A

(Typical Labeling for Interior Diaphragms)

Notes:
See Detail A for typical labeling for Interior Diaphragms.



FRAMING PLAN

DIAPHRAGM LOCATIONS

(Measured Along Centerline of Beam from Bearing East Abutment)

Beam #	a-1	a-2	b-1	b-2	c-1	c-2	d-1	d-2	e-1	e-2	f-1	f-2	g-1	g-2	h-1	h-2	i-1	i-2	j-1	j-2
1	-	15'-4 1/2"	-	30'-9"	-	46'-1 3/8"	-	49'-9 3/4"	-	52'-5"	-	56'-1 3/8"	-	72'-9 7/8"	-	89'-6 3/8"	-	106'-2 7/8"	-	110'-0 5/8"
2	18'-1 3/8"	13'-6"	33'-5 3/8"	29'-9 3/4"	48'-9 1/4"	46'-1 1/2"	52'-5 7/16"	49'-10"	55'-0 5/8"	-	58'-8 7/8"	56'-1 7/8"	75'-4 3/4"	72'-10 1/2"	92'-0 5/8"	89'-7"	108'-8 1/2"	106'-3 1/2"	112'-6 1/16"	110'-1 1/4"
3	16'-3 3/8"	13'-6"	32'-6 3/8"	29'-10"	48'-9 1/2"	46'-1 7/8"	52'-5 13/16"	49'-10 3/8"	-	-	58'-9 1/2"	56'-2 1/4"	75'-5 3/8"	72'-11"	92'-1 3/8"	89'-7 5/8"	108'-9 1/4"	106'-4 1/4"	112'-6 7/8"	110'-2"
4	16'-3 3/8"	13'-6 1/8"	32'-6 5/8"	29'-10 1/4"	48'-10"	46'-2 1/4"	52'-6 1/4"	49'-10 5/8"	-	52'-6 1/4"	58'-10"	56'-2 5/8"	75'-6"	72'-11 1/2"	92'-2 3/8"	89'-8 1/4"	108'-10 3/8"	106'-5 1/8"	112'-7 1/16"	110'-2 3/4"
5	16'-3 1/2"	-	32'-7"	-	48'-10 1/2"	-	52'-6 1/16"	-	55'-2 1/4"	-	58'-10 1/2"	-	75'-6 5/8"	-	92'-2 7/8"	-	108'-11"	-	112'-8 3/16"	-

Beam #	k-1	k-2	l-1	l-2	m-1	m-2	n-1	n-2	o-1	o-2	p-1	p-2	q-1	q-2	r-1	r-2	s-1	s-2	t-1	t-2
1	-	112'-5 1/4"	-	116'-2 7/8"	-	132'-8 3/8"	-	149'-1 7/8"	-	165'-7 1/4"	-	169'-6 1/4"	-	171'-8 3/8"	-	175'-7 1/4"	-	191'-1 3/4"	-	206'-8 1/4"
2	114'-10 5/8"	-	118'-8 1/4"	116'-3 7/8"	135'-1"	132'-9 3/8"	151'-5 7/8"	149'-2 3/4"	167'-10 3/4"	165'-8 1/4"	171'-9 1/2"	169'-7 1/4"	173'-11 5/8"	-	177'-10 3/8"	175'-8 5/8"	193'-4 1/4"	190'-7 1/8"	208'-10 1/4"	205'-5 1/2"
3	-	-	118'-9 1/4"	116'-4 5/8"	135'-2 1/8"	132'-10 1/4"	151'-6 7/8"	149'-3 3/4"	167'-11 3/4"	165'-9 3/8"	171'-10 1/16"	169'-8 3/8"	-	-	177'-11 3/4"	175'-9 3/4"	192'-9 3/4"	190'-8 1/4"	207'-7 5/8"	205'-6 3/4"
4	-	112'-7 1/16"	118'-10 1/8"	116'-5 3/8"	135'-3 3/8"	132'-11 1/8"	151'-8"	149'-4 3/4"	168'-1"	165'-10 1/2"	171'-11 13/16"	169'-9 3/8"	-	171'-11 13/16"	178'-1"	175'-10 7/8"	192'-11"	190'-9 1/2"	207'-9"	205'-8 1/8"
5	115'-1 1/2"	-	118'-11"	-	135'-4 1/8"	-	151'-9 1/8"	-	168'-2 1/4"	-	172'-1 1/16"	-	174'-3 3/8"	-	178'-2 1/4"	-	193'-0 1/4"	-	207'-10 3/8"	-

BEAM LAYOUT DIMENSIONS

(Measured from Beam Local Tangent to Centerline of Beam)

Beam #	Brg. E. Abut.		Splice No. 1		Pier No. 1		Splice No. 2		Pier No. 2		Splice No. 3		Pier No. 3		Brg. W. Abut.	
	X'	Y'	X'	Y'	X'	Y'	X'	Y'	X'	Y'	X'	Y'	X'	Y'	X'	Y'
1	1'-1 3/4"	2'-9 3/16"	0'-4 5/8"	0'-11 1/8"	0'-3 5/16"	0'-7 15/16"	0'-0"	0'-0"	0'-0 1/8"	0'-0 5/16"	0'-4 5/8"	0'-11 3/16"	0'-6 3/16"	1'-2 15/16"	1'-6 9/16"	3'-8 7/8"
2	1'-2 7/16"	2'-10 15/16"	0'-5"	1'-0 1/8"	0'-3 5/8"	0'-8 13/16"	0'-0"	0'-0"	0'-0 1/16"	0'-0 3/16"	0'-4 5/8"	0'-10 3/8"	0'-5 13/16"	1'-2"	1'-5 15/16"	3'-7 1/4"
3	1'-3 3/16"	3'-0 1/16"	0'-5 7/16"	1'-1 1/8"	0'-4"	0'-9 5/8"	0'-0"	0'-0 1/16"	0'-0"	0'-0 1/16"	0'-3 15/16"	0'-9 9/16"	0'-5 3/8"	1'-1"	1'-5 1/4"	3'-5 5/8"
4	1'-3 15/16"	3'-2 1/2"	0'-5 7/8"	1'-2 3/16"	0'-4 3/8"	0'-10 9/16"	0'-0 1/16"	0'-0 1/8"	0'-0"	0'-0"	0'-3 5/8"	0'-8 3/4"	0'-5"	1'-0 1/8"	1'-4 5/8"	3'-4 1/16"
5	1'-4 3/4"	3'-4 3/8"	0'-6 3/8"	1'-3 5/16"	0'-4 3/4"	0'-11 1/2"	0'-0 1/8"	0'-0 1/4"	0'-0"	0'-0"	0'-3 5/16"	0'-8"	0'-4 5/8"	0'-11 1/4"	1'-3 15/16"	3'-2 1/2"

BEAM DIMENSIONS

(Measured Along Centerline of Beam)

Line No.	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5
a	222'-2 3/4"	222'-4 1/8"	222'-5 9/16"	222'-6 15/16"	222'-8 7/16"
b	52'-5"	52'-5 7/16"	52'-5 13/16"	52'-6 1/4"	52'-6 1/16"
c	60'-0 1/4"	60'-0 5/8"	60'-1 1/16"	60'-1 7/16"	60'-1 7/8"
d	59'-3 3/8"	59'-3 7/16"	59'-3 13/16"	59'-4 1/8"	59'-4 1/2"
e	50'-6 3/8"	50'-6 5/8"	50'-6 7/8"	50'-7 1/8"	50'-7 3/8"
f	43'-2 5/16"	43'-2 5/8"	43'-3"	43'-3 5/16"	43'-3 1/16"
g	9'-2 1/16"	9'-2 13/16"	9'-2 13/16"	9'-2 15/16"	9'-3"
h	50'-9 1/2"	50'-9 13/16"	50'-10 3/16"	50'-10 9/16"	50'-10 7/8"
i	9'-2 3/4"	9'-2 13/16"	9'-2 7/8"	9'-2 7/8"	9'-3"
j	50'-0 5/16"	50'-0 5/8"	50'-0 7/8"	50'-1 3/16"	50'-1 1/2"
k	9'-2 13/16"	9'-2 13/16"	9'-2 15/16"	9'-2 15/16"	9'-3"

Corporate License Number 184-001-084

STRUCTURAL STEEL FRAMING PLAN
I-72/MACARTHUR BLVD. RAMP C OVER UPRR
SECTION (84-9-4)A, HBK, BY, BY-1
SANGAMON COUNTY
STATION 46+01.97
STRUCTURE NUMBER 084-0516

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JOB# 96S2002B
DATE 11/16/05

LAYOUT 06/27/03
DRAWN 01/04/05
REVIEWED JMM 02/24/05