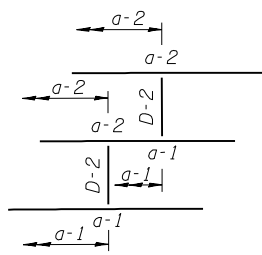
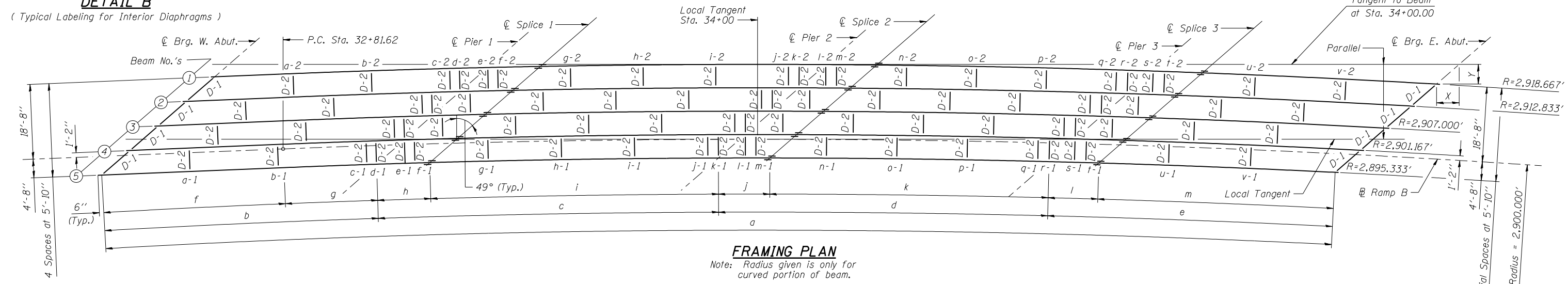


Note: See Detail B for typical labeling for Interior Diaphragms.



DETAIL B

(Typical Labeling for Interior Diaphragms)



FRAMING PLAN

Note: Radius given is only for curved portion of beam.

DIAPHRAGM LOCATIONS

(Measured Along Centerline of Beam from Bearing West 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
1	-	19'-6 1/2"	-	39'-0 7/8"	-	58'-7 3/8"	-	61'-1"	-	68'-1 5/8"	-	70'-7 3/8"	-	88'-9"
2	26'-9 7/8"	14'-8 3/8"	46'-3 7/8"	36'-8 1/2"	65'-9 7/8"	58'-8 3/4"	68'-3 3/8"	61'-2 1/4"	75'-3 7/8"	-	77'-9 5/8"	70'-9 1/8"	95'-10 3/4"	88'-11 3/8"
3	21'-11 3/4"	14'-8 3/4"	43'-11 5/8"	36'-9 1/4"	65'-11 3/8"	58'-10 1/8"	68'-4 7/8"	61'-3 3/8"	-	-	77'-11 3/8"	70'-10 3/8"	96'-1 1/4"	89'-1 3/8"
4	22'-0 1/4"	14'-9 1/4"	44'-0 5/8"	36'-9 7/8"	66'-0 7/8"	58'-11 1/8"	68'-6 1/8"	61'-4 1/8"	-	68'-6 1/8"	78'-0 7/8"	70'-11 3/8"	96'-3 3/8"	89'-3 1/8"
5	22'-0 3/4"	-	44'-1 3/8"	-	66'-2 1/8"	-	68'-7 1/8"	-	75'-8 7/8"	-	78'-2 1/8"	-	96'-5 3/8"	-

Beam #	h-1	h-2	i-1	i-2	j-1	j-2	k-1	k-2	l-1	l-2	m-1	m-2	n-1	n-2
1	-	106'-10 5/8"	-	125'-0 1/4"	-	143'-1 7/8"	-	145'-9 7/8"	-	152'-5 3/4"	-	155'-1 7/8"	-	172'-7 3/8"
2	114'-0"	107'-1 5/8"	132'-1 1/8"	125'-3 7/8"	150'-2 3/8"	143'-6 1/8"	152'-10 1/4"	146'-2"	159'-5 7/8"	-	162'-2 1/8"	155'-6 3/8"	179'-7 1/8"	173'-0 1/2"
3	114'-3 3/8"	107'-4 1/4"	132'-4 7/8"	125'-7 1/4"	150'-6 3/4"	143'-10 1/4"	153'-2 5/8"	146'-6"	-	-	162'-6 3/4"	155'-10 1/2"	180'-0 3/8"	173'-4 1/8"
4	114'-6"	107'-6 3/4"	132'-8 1/2"	125'-10 1/2"	150'-11"	144'-2 1/8"	153'-6 3/4"	146'-9 3/4"	-	153'-6 3/4"	162'-11"	156'-2 1/2"	180'-5 1/4"	173'-9 3/4"
5	114'-8 5/8"	-	132'-11 7/8"	-	151'-3 1/8"	-	153'-10 5/8"	-	160'-7 3/8"	-	163'-3 1/8"	-	180'-10"	-

Beam #	o-1	o-2	p-1	p-2	q-1	q-2	r-1	r-2	s-1	s-2	t-1	t-2	u-1	u-2	v-1	v-2
1	-	190'-1"	-	207'-6 1/2"	-	225'-0"	-	227'-10 1/8"	-	234'-1 5/8"	-	237'-0"	-	259'-7 5/8"	-	282'-3 1/4"
2	197'-0 1/4"	190'-6 1/2"	214'-5 3/8"	208'-0 1/2"	231'-10 1/2"	225'-6 5/8"	234'-8 9/16"	228'-4 3/4"	240'-11 7/8"	-	243'-10 1/8"	237'-6 7/8"	266'-5 1/4"	258'-3 1/8"	289'-0 3/8"	278'-11 1/4"
3	197'-6"	190'-11 7/8"	214'-11 5/8"	208'-6 5/8"	232'-5 1/4"	226'-1 1/4"	235'-3 3/8"	228'-11 1/4"	-	-	244'-5 1/4"	238'-1 1/2"	265'-1"	258'-10 1/4"	285'-8 5/8"	279'-7 1/8"
4	197'-11 1/2"	191'-5"	215'-5 3/4"	209'-0 3/8"	233'-0"	226'-7 5/8"	235'-9 15/16"	229'-5 1/2"	-	235'-9 15/16"	245'-0"	238'-8"	265'-8 1/4"	259'-5 3/8"	286'-4 5/8"	280'-2 3/4"
5	198'-4 7/8"	-	215'-11 3/4"	-	233'-6 5/8"	-	236'-4 3/8"	-	242'-8 5/8"	-	245'-6 5/8"	-	266'-3 1/2"	-	287'-0 3/8"	-

BEAM LAYOUT DIMENSIONS

(Measured from Beam Local Tangent to Centerline of Beam)

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

BEAM DIMENSIONS

(Measured Along Centerline of Beam)

Line No.	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5
a	304'-10 13/16"	305'-7 5/8"	306'-4 5/16"	307'-0 7/8"	307'-9 1/4"
b	68'-1 5/8"	68'-3 3/8"	68'-4 7/8"	68'-6 1/8"	68'-7 1/8"
c	84'-4 1/8"	84'-6 7/8"	84'-9 3/4"	85'-0 5/8"	85'-3 1/2"
d	81'-7 7/8"	81'-10 5/16"	82'-0 3/4"	82'-3 3/16"	82'-5 3/4"
e	70'-9 3/16"	70'-11 1/16"	71'-0 15/16"	71'-2 15/16"	71'-4 7/8"
f	16'-3 11/16"	23'-7 1/16"	30'-10 1/16"	38'-2 3/16"	45'-5 11/16"
g	51'-9 15/16"	44'-8 3/16"	37'-6 3/16"	30'-3 15/16"	23'-1 7/16"
h	13'-1 5/8"	13'-2"	13'-2 1/2"	13'-3"	13'-3 1/2"
i	71'-2 1/2"	71'-4 7/8"	71'-7 1/4"	71'-9 5/8"	72'-0"
j	12'-11 1/4"	12'-11 1/16"	13'-0 1/8"	13'-0 1/2"	13'-1"
k	68'-8 5/8"	68'-10 5/8"	69'-0 5/8"	69'-2 1/16"	69'-4 3/4"
l	12'-9 3/16"	12'-9 9/16"	12'-9 15/16"	12'-10 5/16"	12'-10 5/8"
m	58'-0"	58'-1 1/2"	58'-3"	58'-4 5/8"	58'-6 1/4"

Corporate License Number 184-001-084

STRUCTURAL STEEL FRAMING PLAN
I-72/MACARTHUR BLVD. RAMP B OVER UPRR
SECTION (84-9-4)A,HBK,BY,BY-1
SANGAMON COUNTY
STATION 33+95.61
STRUCTURE NUMBER 084-0514

© Copyright Hanson Professional Services Inc. \$MS_YEAR\$



96S2002B
 DATE: 11/16/05

MMW 06/27/03
 DAP 01/04/05
 JMM 02/24/05
 \$FILES\$ 12/16/2006