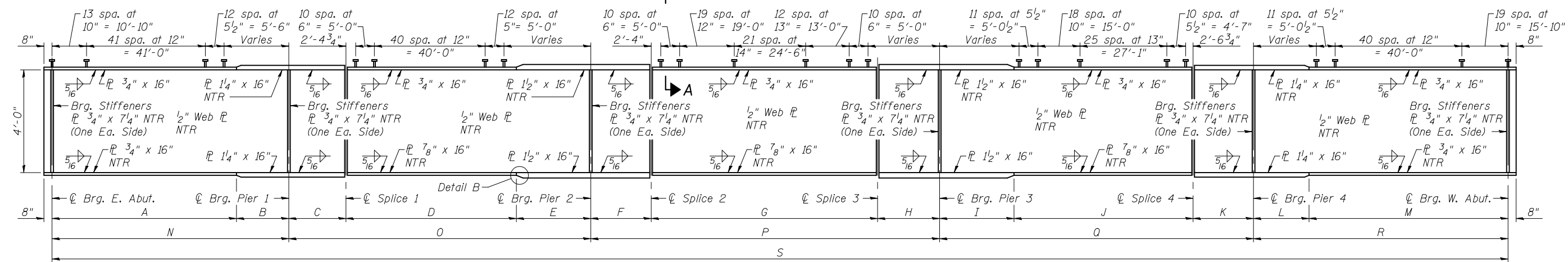


PLAN



ELEVATION

DIAPHRAGM SPACING

TOP OF WEB ELEVATIONS*

Girder	Location	DS1	DS2	DS3	DS4	DS5	DS6	DS7	DS8	DS9	DS10	DS11	DS12	DS13	DS14	DS15
1W	North Face	15'-0"	22'-6"	14'-7 ¹³ / ₁₆ "	9'-0"	22'-6"	18'-10 ³ / ₁₆ "	8'-0"	22'-3 ⁵ / ₁₆ "	13'-0"	14'-6 ¹³ / ₁₆ "	23'-6"	14'-0"	9'-7 ⁷ / ₁₆ "	23'-6"	23'-6"
2W	South Face	18'-8 ⁵ / ₁₆ "	22'-6 ¹³ / ₁₆ "	10'-8 ⁷ / ₈ "	12'-11 ¹³ / ₁₆ "	22'-6 ¹³ / ₁₆ "	14'-7 ⁷ / ₈ "	12'-4 ¹ / ₁₆ "	22'-4 ¹ / ₁₆ "	8'-3 ⁹ / ₁₆ "	19'-4 ⁴ / ₁₆ "	23'-6 ⁷ / ₈ "	8'-10 ³ / ₄ "	14'-9 ⁹ / ₁₆ "	23'-6 ⁷ / ₈ "	18'-1 ¹ / ₁₆ "
2W	North Face	15'-0"	22'-6"	14'-7 ⁵ / ₁₆ "	9'-0"	22'-6"	18'-9 ³ / ₈ "	8'-0"	22'-3 ¹ / ₁₆ "	13'-0"	14'-5 ⁵ / ₁₆ "	23'-6"	14'-0"	9'-6 ³ / ₈ "	23'-6"	23'-6"
3W	South Face	18'-8 ⁵ / ₈ "	22'-6 ¹³ / ₁₆ "	10'-8 ⁹ / ₁₆ "	12'-11 ¹ / ₁₆ "	22'-6 ¹³ / ₁₆ "	14'-6 ¹ / ₂ "	12'-3 ¹³ / ₁₆ "	22'-3 ¹ / ₁₆ "	8'-3 ³ / ₄ "	19'-2 ⁷ / ₈ "	23'-6 ⁷ / ₈ "	8'-11"	14'-8 ³ / ₁₆ "	23'-6 ⁷ / ₈ "	18'-1 ⁵ / ₁₆ "
3W	North Face	15'-0"	22'-6"	14'-6 ¹³ / ₁₆ "	9'-0"	22'-6"	18'-8 ⁵ / ₈ "	8'-0"	22'-2 ³ / ₄ "	13'-0"	14'-4 ¹ / ₁₆ "	23'-6"	14'-0"	9'-5 ¹ / ₄ "	23'-6"	23'-6"
4W	South Face	18'-8 ¹ / ₂ "	22'-6 ¹³ / ₁₆ "	10'-8 ¹ / ₂ "	12'-11 ¹ / ₂ "	22'-6 ¹³ / ₁₆ "	14'-5 ¹ / ₈ "	12'-3 ³ / ₄ "	22'-3 ⁹ / ₁₆ "	8'-4"	19'-1 ¹ / ₄ "	23'-6 ⁷ / ₈ "	8'-11 ¹ / ₄ "	14'-6 ¹³ / ₁₆ "	23'-6 ⁷ / ₈ "	18'-1 ⁵ / ₈ "
4W	North Face	15'-0"	22'-6"	14'-6 ¹ / ₄ "	9'-0"	22'-6"	18'-7 ¹³ / ₁₆ "	8'-0"	22'-2 ¹ / ₂ "	13'-0"	14'-3 ⁵ / ₁₆ "	23'-6"	14'-0"	9'-4 ³ / ₁₆ "	23'-6"	23'-6"
5W	South Face	18'-8 ⁵ / ₁₆ "	22'-6 ¹³ / ₁₆ "	10'-7 ¹³ / ₁₆ "	12'-11 ¹³ / ₁₆ "	22'-6 ¹³ / ₁₆ "	12'-11 ¹³ / ₁₆ "	12'-11 ¹³ / ₁₆ "	22'-3 ⁵ / ₁₆ "	8'-4 ³ / ₁₆ "	19'-0 ¹ / ₁₆ "	23'-6 ⁷ / ₈ "	8'-11 ¹ / ₂ "	14'-5 ¹ / ₂ "	23'-6 ⁷ / ₈ "	18'-1 ⁷ / ₈ "
5W	North Face	15'-0"	22'-6"	14'-5 ³ / ₄ "	9'-0"	22'-6"	18'-7 ¹ / ₁₆ "	8'-0"	22'-2 ¹ / ₄ "	13'-0"	14'-2 ³ / ₁₆ "	23'-6"	14'-0"	9'-3 ³ / ₈ "	23'-6"	23'-6"
6W	South Face	18'-8 ³ / ₁₆ "	22'-6 ¹³ / ₁₆ "	10'-7 ¹ / ₁₆ "	12'-11 ¹ / ₈ "	22'-6 ¹³ / ₁₆ "	14'-4 ³ / ₄ "	12'-3 ¹ / ₄ "	22'-3 ¹ / ₁₆ "	8'-4 ³ / ₈ "	18'-10 ¹ / ₁₆ "	23'-6 ⁷ / ₈ "	8'-11 ³ / ₄ "	14'-4 ³ / ₁₆ "	23'-6 ⁷ / ₈ "	18'-2 ³ / ₁₆ "

	Girder 1W	Girder 2W	Girder 3W	Girder 4W	Girder 5W	Girder 6W
☉ Brg. E. Abut.	382.60	382.80	383.00	383.20	383.40	383.45
☉ Brg. Pier 1	382.91	383.10	383.29	383.49	383.69	383.75
☉ Splice 1	382.95	383.14	383.34	383.53	383.73	383.79
☉ Brg. Pier 2	383.34	383.54	383.73	383.93	384.12	384.16
☉ Splice 2	383.39	383.59	383.78	383.97	384.17	384.21
☉ Splice 3	383.61	383.82	384.03	384.25	384.46	384.51
☉ Brg. Pier 3	383.60	383.82	384.04	384.26	384.48	384.54
☉ Splice 4	383.26	383.50	383.74	383.98	384.22	384.33
☉ Brg. Pier 4	383.20	383.45	383.69	383.93	384.17	384.27
☉ Brg. W. Abut.	382.87	383.12	383.36	383.61	383.85	383.95

*For fabrication only.

LAYOUT DIMENSIONS

Girder	☉ Brg. E. Abut.		☉ Brg. Pier 1		☉ Splice 1		☉ Brg. Pier 2		☉ Splice 2		☉ Splice 3		☉ Brg. Pier 3		☉ Splice 4		☉ Brg. Pier 4		☉ Brg. W. Abut.	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
1W	-220'-0 ¹ / ₁₆ "	25'-1 ⁹ / ₁₆ "	-145'-6 ³ / ₄ "	20'-3 ¹³ / ₁₆ "	-128'-1"	19'-5 ¹ / ₁₆ "	-50'-3 ⁵ / ₁₆ "	17'-0 ³ / ₈ "	-31'-3 ³ / ₈ "	16'-9 ¹ / ₁₆ "	40'-3 ⁷ / ₈ "	16'-10 ⁷ / ₁₆ "	59'-9 ¹³ / ₁₆ "	17'-2 ⁹ / ₁₆ "	139'-10"	20'-0 ³ / ₈ "	158'-9 ¹ / ₁₆ "	21'-0 ³ / ₈ "	238'-8 ³ / ₈ "	26'-7 ³ / ₄ "
2W	-224'-4 ⁷ / ₈ "	16'-9 ³ / ₈ "	-149'-11 ⁹ / ₁₆ "	11'-10 ¹ / ₁₆ "	-132'-5 ¹³ / ₁₆ "	11'-0"	-54'-8 ¹⁵ / ₁₆ "	8'-5 ⁵ / ₁₆ "	-35'-9"	8'-1 ¹ / ₁₆ "	35'-9 ⁹ / ₈ "	8'-1 ¹ / ₁₆ "	55'-3 ³ / ₈ "	8'-5 ¹ / ₁₆ "	135'-2 ¹ / ₈ "	11'-1 ⁹ / ₁₆ "	154'-1 ¹ / ₈ "	12'-1 ¹ / ₈ "	233'-11 ¹ / ₁₆ "	17'-6 ⁵ / ₈ "
3W	-228'-9"	8'-5 ³ / ₁₆ "	-154'-4 ¹³ / ₁₆ "	3'-5 ³ / ₈ "	-136'-10 ⁹ / ₁₆ "	2'-6 ⁷ / ₁₆ "	-59'-2 ⁹ / ₁₆ "	1 ⁵ / ₈ "	-40'-2 ⁹ / ₁₆ "	5 ⁵ / ₈ "	31'-2 ⁷ / ₁₆ "	6 ¹ / ₁₆ "	50'-8 ¹ / ₁₆ "	3 ⁵ / ₈ "	130'-6 ³ / ₈ "	2'-2 ¹³ / ₁₆ "	149'-6 ¹ / ₁₆ "	3'-2"	229'-3 ¹ / ₄ "	8'-5 ¹ / ₁₆ "
4W	-233'-1 ¹ / ₈ "	1 ¹ / ₁₆ "	-158'-9"	-5'-0 ¹ / ₈ "	-141'-3 ⁵ / ₁₆ "	-5'-11 ¹ / ₈ "	-63'-8 ¹ / ₈ "	-8'-8 ¹ / ₂ "	-44'-8 ¹ / ₈ "	-9'-0 ¹ / ₁₆ "	26'-7 ¹³ / ₁₆ "	-9'-3 ¹ / ₂ "	46'-1 ¹³ / ₁₆ "	-9'-0 ⁹ / ₁₆ "	125'-10 ⁵ / ₈ "	-6'-7 ³ / ₄ "	144'-10 ³ / ₈ "	-5'-9"	224'-6 ⁹ / ₁₆ "	7 ³ / ₁₆ "
5W	-237'-5 ¹ / ₄ "	-8'-3 ³ / ₈ "	-163'-1 ¹ / ₁₆ "	-13'-5 ³ / ₈ "	-145'-8"	-14'-4 ⁵ / ₈ "	-68'-1 ⁵ / ₈ "	-17'-3 ⁵ / ₁₆ "	-49'-1 ¹ / ₁₆ "	-17'-7 ¹⁵ / ₁₆ "	22'-1 ¹ / ₄ "	-18'-0"	41'-7 ¹ / ₄ "	-17'-9 ³ / ₈ "	121'-3"	-15'-6 ¹ / ₄ "	140'-2 ³ / ₄ "	-14'-7 ⁷ / ₈ "	219'-10"	-9'-7 ⁷ / ₈ "
6W	-241'-9 ⁵ / ₁₆ "	-16'-7"	-167'-6 ⁵ / ₁₆ "	-21'-10 ¹ / ₂ "	-150'-0 ¹ / ₁₆ "	-22'-10 ¹ / ₁₆ "	-72'-7 ¹ / ₁₆ "	-25'-10"	-53'-7 ¹ / ₈ "	-26'-3"	17'-6 ¹ / ₁₆ "	-26'-8 ³ / ₈ "	37'-0 ¹ / ₁₆ "	-26'-6 ¹ / ₈ "	116'-7 ³ / ₈ "	-24'-4 ¹ / ₁₆ "	135'-7 ¹ / ₈ "	-23'-6 ¹ / ₁₆ "	215'-1 ¹ / ₁₆ "	-18'-8 ¹ / ₁₆ "

GIRDER DIMENSIONS

Girder	Radius	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1W	2837.01'	58'-1 ¹³ / ₁₆ "	16'-6"	17'-6"	54'-4 ³ / ₁₆ "	23'-6"	19'-0"	71'-7 ¹ / ₄ "	19'-6"	23'-6"	56'-6 ¹³ / ₁₆ "	19'-0"	17'-6"	62'-7 ⁷ / ₁₆ "	74'-7 ¹³ / ₁₆ "	95'-4 ³ / ₁₆ "	110'-1 ¹ / ₄ "	99'-0 ¹³ / ₁₆ "	80'-1 ⁷ / ₁₆ "	459'-3 ¹ / ₂ "
2W	2845.68'	58'-1 ¹ / ₁₆ "	16'-6"	17'-6"	54'-3 ³ / ₈ "	23'-6"	19'-0"	71'-6 ¹ / ₁₆ "	19'-6"	23'-6"	56'-5 ⁵ / ₈ "	19'-0"	17'-6"	62'-6 ³ / ₈ "	74'-7 ⁵ / ₁₆ "	95'-3 ³ / ₈ "	110'-0 ¹ / ₈ "	98'-11 ⁵ / ₈ "	80'-0 ³ / ₈ "	458'-10 ¹³ / ₁₆ "
3W	2854.34'	58'-0 ¹³ / ₁₆ "	16'-6"	17'-6"	54'-2 ⁵ / ₈ "	23'-6"	19'-0"	71'-5 ¹ / ₁₆ "	19'-6"	23'-6"	56'-4 ¹ / ₁₆ "	19'-0"	17'-6"	62'-5 ¹ / ₄ "	74'-6 ¹³ / ₁₆ "	95'-2 ⁵ / ₈ "	109'-11 ¹ / ₁₆ "	98'-10 ¹ / ₁₆ "	79'-11 ¹ / ₄ "	458'-6 ³ / ₁₆ "
4W	2863.01'	58'-0 ¹ / ₄ "	16'-6"	17'-6"	54'-1 ¹ / ₁₆ "	23'-6"	19'-0"	71'-4"	19'-6"	23'-6"	56'-3 ¹ / ₁₆ "	19'-0"	17'-6"	62'-4 ³ / ₁₆ "	74'-6 ¹ / ₄ "	95'-1 ¹³ / ₁₆ "	109'-10"	98'-9 ⁵ / ₁₆ "	79'-10 ³ / ₁₆ "	458'-1 ¹ / ₁₆ "
5W	2871.68'	57'-11 ³ / ₄ "	16'-6"	17'-6"	54'-1 ¹ / ₁₆ "	23'-6"	19'-0"	71'-2 ¹⁵ / ₁₆ "	19'-6"	23'-6"	56'-2 ³ / ₁₆ "	19'-0"	17'-6"	62'-3 ¹ / ₈ "	74'-5 ³ / ₄ "	95'-1 ¹ / ₁₆ "	109'-8 ¹⁵ / ₁₆ "	98'-8 ³ / ₁₆ "	79'-9 ¹ / ₈ "	457'-9 ¹ / ₁₆ "
6W	2880.34'	57'-11 ¹ / ₄ "	16'-6"	17'-6"	54'-0 ⁹ / ₁₆ "	23'-6"	19'-0"	71'-1 ¹ / ₈ "	19'-6"	23'-6"	56'-1 ¹ / ₁₆ "	19'-0"	17'-6"	62'-2 ¹ / ₈ "	74'-5 ¹ / ₄ "	95'-0 ³ / ₁₆ "	109'-7 ¹ / ₈ "	98'-7 ¹ / ₁₆ "	79'-8 ¹ / ₈ "	457'-4 ⁹ / ₁₆ "

- Notes:
- Load carrying components designated "NTR" shall conform to the Impact Testing Requirements, Zone 2.
 - All diaphragms between girders shall be installed with erection pins and bolts in accordance with the erection plan approved by the Engineer. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
 - For diaphragm and splice details, Section A-A, and Detail B, see sheet 29 of 53.
 - Girder dimensions, diaphragm spacing, and shear stud spacing are taken along centerline of each individual girder.



USER NAME =	DESIGNED - JAD	REVISED -
CHECKED - DGL	REVISIONS -	
PLOT SCALE =	DRAWN - JAD	REVISED -
PLOT DATE =	CHECKED - DGL	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN AND GIRDER DETAILS
STRUCTURE NO. 036-0076 (W.B.)

SHEET NO. 27 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-11B-1)	JACKSON	200	139
CONTRACT NO. 78056				
ILLINOIS FED. AID PROJECT				