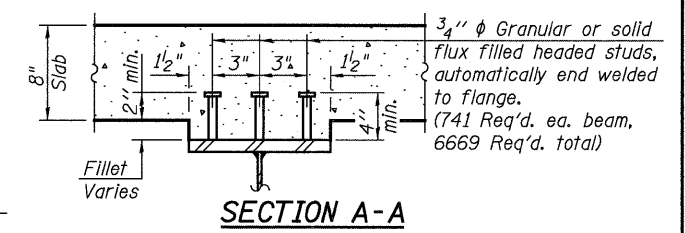


INTERIOR GIRDER MOMENT TABLE				
		0.4 Sp. 1 or 0.6 Sp. 3	Pier	0.5 Sp. 2
I_s	(in ⁴)	5,900	5,900	5,900
$I_c(n)$	(in ⁴)	17,256	-	17,256
$I_c(3n)$	(in ⁴)	12,993	-	12,993
S_s	(in ³)	359	359	359
$S_c(n)$	(in ³)	549	-	549
$S_c(3n)$	(in ³)	500	-	500
Z	(in ³)	-	415	-
$DC1$	(k/ft)	1.001	1.485	1.001
M_{DC1}	(k)	66	474	254
$DC2$	(k/ft)	0.112	-	0.112
M_{DC2}	(k)	10	-	36
DW	(k/ft)	0.372	-	0.372
M_{DW}	(k)	32	-	120
$M_L + IM$	(k)	470	402	729
M_u (Strength I)	(k)	966	1322	1818
$\phi_r M_{nc}$	(k)	3053	1729	3053
f_s DC1	(ksi)	2.2	15.8	8.5
f_s DC2	(ksi)	0.24	-	0.86
f_s DW	(ksi)	0.77	-	2.9
f_s 1.3(L+IM)	(ksi)	13.4	17.5	20.7
f_s (Service II)	(ksi)	16.6	33.3	33.0
f_s (Total)(Strength I)	(ksi)	-	-	-
V_f	(k)	43.1	-	44.2



I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in⁴ and in³).

$I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) due to short-term composite live loads (in⁴ and in³).

$I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) due to long-term composite (superimposed) dead loads (in⁴ and in³).

Z : Plastic Section Modulus of the steel section in non-composite areas. Omit line in Moment Table if not used in design calculations (in³).

$DC1$: Un-factored non-composite dead load (kips/ft.).

M_{DC1} : Un-factored moment due to non-composite dead load (kip-ft.).

$DC2$: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2} : Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW : Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M_{DW} : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

$M_L + IM$: Un-factored live load moment plus dynamic load allowance (Impact) (kip-ft.).

M_u (Strength I): Factored design moment (kip-ft.).
 $1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_L + IM$

$\phi_r M_{nc}$: Compact composite positive moment capacity computed according to Article 6.10.7.1 (kip-ft.).

$\phi_r M_{nc}$: Compact non-composite negative moment capacity computed according to Article A6.1.1 (kip-ft.).

f_s (Service II): Sum of stresses as computed from the moments below (ksi).
 $M_{DC1} + M_{DC2} + M_{DW} + 1.3 M_L + IM$

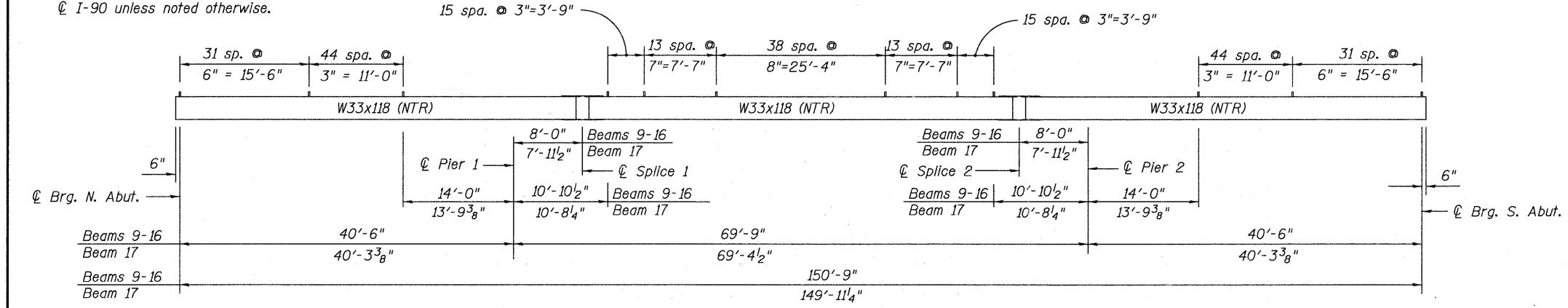
f_s (Total)(Strength I): Sum of stresses as computed from the moments below on non-compact section (ksi).
 $1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_L + IM$

V_f : Factored shear range computed according to Article 6.10.10.

FRAMING PLAN

See Sheet 32 of 48 for Splice and Diaphragm Details.

Note: Dimensions are at RT angles or parallel to \angle I-90 unless noted otherwise.



BEAM ELEVATION

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2

Location	Beam 9	Beam 10	Beam 11	Beam 12	Beam 13	Beam 14	Beam 15	Beam 16	Beam 17
\angle Brg. N. Abut.	776.79	776.97	777.16	777.32	777.46	777.38	777.25	777.09	776.93
Pier 1	776.96	777.15	777.33	777.49	777.63	777.55	777.42	777.26	777.12
Splice 1	777.03	777.22	777.40	777.56	777.70	777.62	777.49	777.33	777.19
Splice 2	777.24	777.42	777.61	777.77	777.91	777.83	777.63	777.54	777.42
Pier 2	777.31	777.49	777.68	777.84	777.98	777.90	777.70	777.61	777.49
\angle Brg. S. Abut.	777.55	777.73	777.91	778.08	778.21	778.13	778.00	777.84	777.74

TOP OF BEAM ELEVATIONS

For Fabrication Only

* INTERIOR GIRDER REACTION TABLE		
	Abut.	Pier
R_{DC1}	(k) 12.30	61.81
R_{DC2}	(k) 1.48	6.97
R_{DW}	(k) 4.91	23.14
$R_L + IM$	(k) 72.70	108.67
R_{Total}	(k) 91.39	200.59

* Service Loads



USER NAME =	DESIGNED - JTT	REVISOR -
PLOT SCALE =	CHECKED - VAC	REVISOR -
PLOT DATE =	DRAWN - JBB	REVISOR -
	CHECKED - JTT	REVISOR -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FRAMING PLAN S.B.
 STRUCTURE NO. 101-0193

BRIDGE SHEET NO. 31 OF 48 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	CX2-1R	WINNEBAGO	510	376
CONTRACT NO. 64C29				

ILLINOIS FED. AID PROJECT