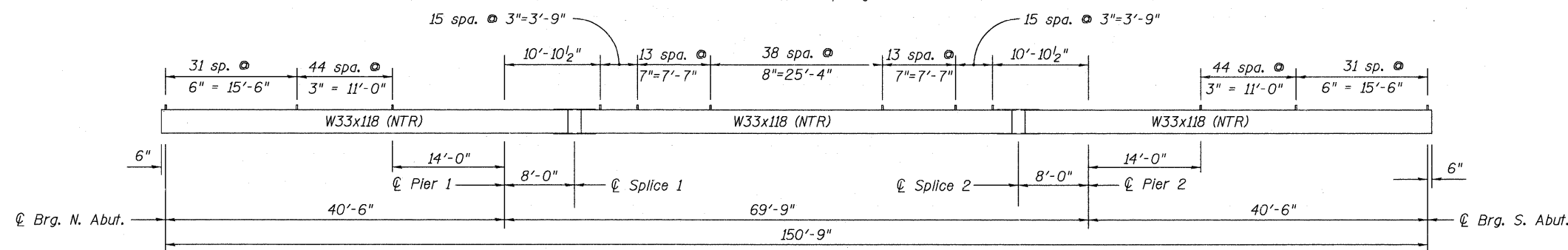


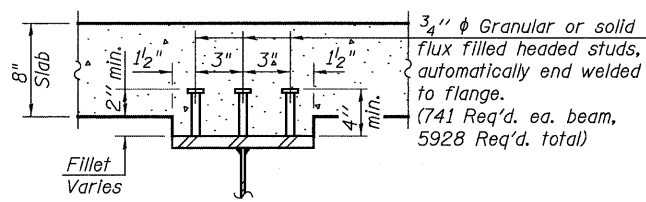
**FRAMING PLAN**

See Sheet 32 of 48 for Splice and Diaphragm Details.



**BEAM ELEVATION**

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



**SECTION A-A**

* INTERIOR GIRDER REACTION TABLE		
	Abut.	Pier
R <sub>DC1</sub> (k)	12.30	61.81
R <sub>DC2</sub> (k)	1.48	6.97
R <sub>DW</sub> (k)	4.91	23.14
R <sub>L + IM</sub> (k)	72.70	108.67
R <sub>Total</sub> (k)	91.39	200.59

\* Service Loads

Location	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Beam 7	Beam 8
⊕ Brg. N. Abut.	776.94	777.12	777.27	777.36	777.24	777.09	776.93	776.77
Pier 1	777.11	777.29	777.44	777.53	777.41	777.26	777.10	776.95
Splice 1	777.18	777.36	777.51	777.60	777.48	777.33	777.17	777.02
Splice 2	777.39	777.57	777.72	777.81	777.69	777.54	777.38	777.22
Pier 2	777.46	777.64	777.79	777.88	777.76	777.61	777.45	777.29
⊕ Brg. S. Abut.	777.69	777.88	778.02	778.11	777.99	777.85	777.69	777.53

**TOP OF BEAM ELEVATIONS**

For Fabrication Only

INTERIOR GIRDER MOMENT TABLE			
	0.4 Sp. 1 or 0.6 Sp. 3	Pier	0.5 Sp. 2
I <sub>s</sub> (in <sup>4</sup> )	5,900	5,900	5,900
I <sub>c</sub> (n) (in <sup>4</sup> )	17,256	-	17,256
I <sub>c</sub> (3n) (in <sup>4</sup> )	12,993	-	12,993
S <sub>s</sub> (in <sup>3</sup> )	359	359	359
S <sub>c</sub> (n) (in <sup>3</sup> )	549	-	549
S <sub>c</sub> (3n) (in <sup>3</sup> )	500	-	500
Z (in <sup>3</sup> )	-	415	-
DC1 (k/ft)	1.001	1.485	1.001
M <sub>DC1</sub> (k)	66	474	254
DC2 (k/ft)	0.112	-	0.112
M <sub>DC2</sub> (k)	10	-	36
DW (k/ft)	0.372	-	0.372
M <sub>DW</sub> (k)	32	-	120
M <sub>L + IM</sub> (k)	470	402	729
M <sub>u</sub> (Strength I) (k)	966	1322	1818
ϕ <sub>r</sub> M <sub>nc</sub> , ϕ <sub>r</sub> M <sub>nc</sub> (k)	3053	1729	3053
f <sub>s</sub> DC1 (ksi)	2.2	15.8	8.5
f <sub>s</sub> DC2 (ksi)	0.24	-	0.86
f <sub>s</sub> DW (ksi)	0.77	-	2.9
f <sub>s</sub> 1.3(L+IM) (ksi)	13.4	17.5	20.7
f <sub>s</sub> (Service II) (ksi)	16.6	33.3	33.0
f <sub>s</sub> (Total)(Strength I) (ksi)	-	-	-
V <sub>r</sub> (k)	43.1	-	44.2

I<sub>s</sub>, S<sub>s</sub>: Non-composite moment of inertia and section modulus of the steel section used for computing f<sub>s</sub>(Total-Strength I, and Service II) due to non-composite dead loads (in.<sup>4</sup> and in.<sup>3</sup>).

I<sub>c</sub>(n), S<sub>c</sub>(n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f<sub>s</sub>(Total-Strength I, and Service II) due to short-term composite live loads (in.<sup>4</sup> and in.<sup>3</sup>).

I<sub>c</sub>(3n), S<sub>c</sub>(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<sub>s</sub>(Total-Strength I, and Service II) due to long-term composite (superimposed) dead loads (in.<sup>4</sup> and in.<sup>3</sup>).

Z: Plastic Section Modulus of the steel section in non-composite areas. Omit line in Moment Table if not used in design calculations (in.<sup>3</sup>).

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

M<sub>DC1</sub>: 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<sub>DC2</sub>: 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<sub>DW</sub>: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

M<sub>L + IM</sub>: Un-factored live load moment plus dynamic load allowance (Impact) (kip-ft.).

M<sub>u</sub> (Strength I): Factored design moment (kip-ft.).  
1.25 (M<sub>DC1</sub> + M<sub>DC2</sub>) + 1.5 M<sub>DW</sub> + 1.75 M<sub>L + IM</sub>

ϕ<sub>r</sub>M<sub>nc</sub>: Compact composite positive moment capacity computed according to Article 6.10.7.1 (kip-ft.).

ϕ<sub>r</sub>M<sub>nc</sub>: Compact non-composite negative moment capacity computed according to Article A6.1.1 (kip-ft.).

f<sub>s</sub> (Service II): Sum of stresses as computed from the moments below (ksi).  
M<sub>DC1</sub> + M<sub>DC2</sub> + M<sub>DW</sub> + 1.3 M<sub>L + IM</sub>

f<sub>s</sub> (Total)(Strength I): Sum of stresses as computed from the moments below on non-compact section (ksi).  
1.25 (M<sub>DC1</sub> + M<sub>DC2</sub>) + 1.5 M<sub>DW</sub> + 1.75 M<sub>L + IM</sub>

V<sub>r</sub>: Factored shear range computed according to Article 6.10.10.