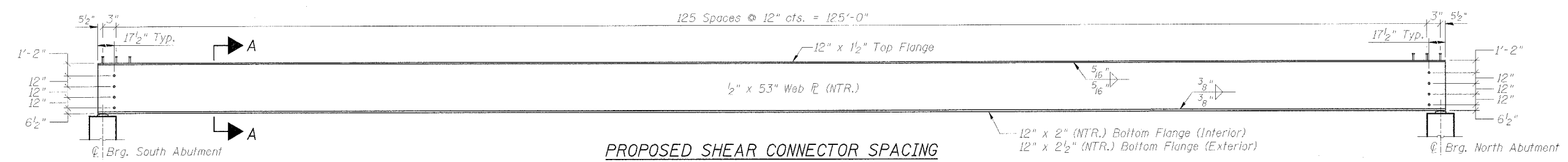
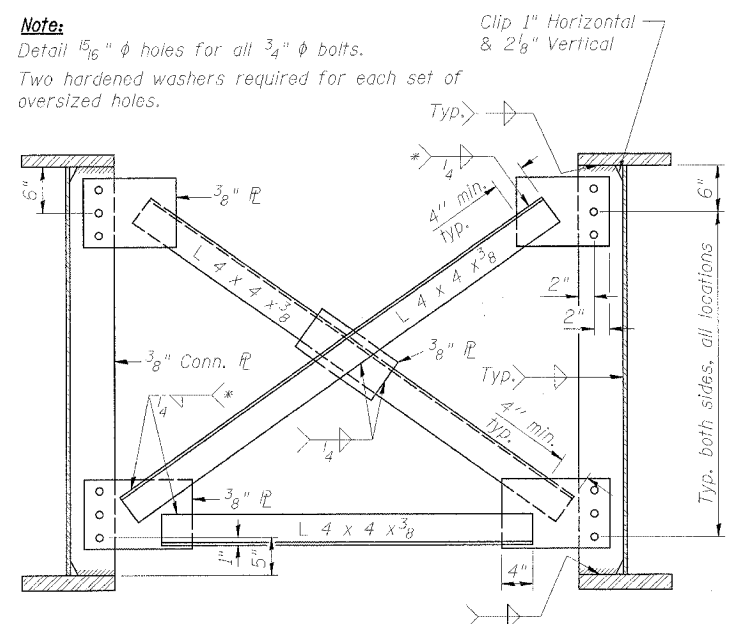


FRAMING PLAN

\*See Structural Sheet 6 of 12 for Details



PROPOSED SHEAR CONNECTOR SPACING



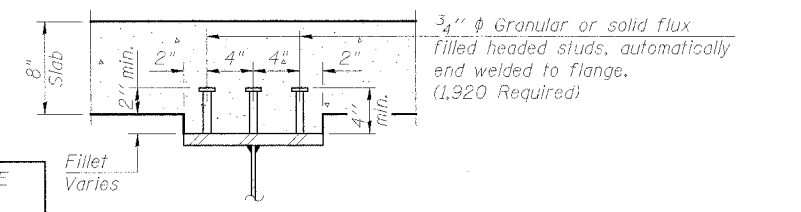
TYPICAL INTERIOR CROSS FRAME

\*Fillet weld angles along 3 sides on one face of gusset plate.

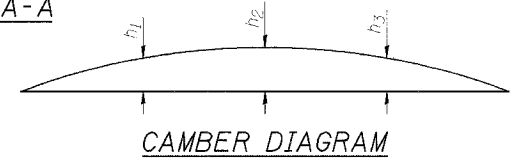
	Interior Center of Span	Exterior Center of Span
$I_s$	(in <sup>4</sup> ) 37,311	41,120
$I_c(n)$	(in <sup>4</sup> ) 76,976	87,554
$I_o(3n)$	(in <sup>4</sup> ) 56,758	63,438
$S_s$	(in <sup>3</sup> ) 1,434	1,685
$S_c(n)$	(in <sup>3</sup> ) 1,804	2,119
$S_c(3n)$	(in <sup>3</sup> ) 1,659	1,949
$Z$	(in <sup>3</sup> )	
DC1	(k/')	0.905
M <sub>DC1</sub>	(k)	1,782
DC2	(k/')	0.024
M <sub>DC2</sub>	(k)	48
DW	(k/')	0.30
M <sub>DW</sub>	(k)	591
M <sub>L + Imp</sub>	(k)	1,931
M <sub>u</sub> (Strength I)	(k)	6,553
$\phi_f M_n, \phi_f M_{nc}$	(k)	8,827
$f_s$ DC1	(ksi)	14.91
$f_s$ DC2	(ksi)	0.35
$f_s$ DW	(ksi)	4.27
$f_s$ 1.3(4+1)	(ksi)	16.69
$f_s$ (Service II)	(ksi)	36.22
$f_s$ (Total)(Strength I)	(ksi)	47.95
$V_f$	(k)	42.1

	Interior of Abutment	Exterior of Abutment
R <sub>DC1</sub>	(k) 56.8	69.9
R <sub>DC2</sub>	(k) 1.5	1.5
R <sub>DW</sub>	(k) 18.8	18.8
R <sub>L + Imp</sub>	(k) 86.0	77.4
R <sub>Total</sub>	(k) 163.1	167.6

BEAM NUMBER	℄ Brg. South Abutment	0.25 Pt.	0.50 Pt.	0.75 Pt.	℄ Brg. North Abutment
1	423.422	424.040	424.302	424.124	423.419
2	423.515	424.102	424.354	424.187	423.599
3	423.609	424.196	424.448	424.281	423.779
4	423.515	424.102	424.434	424.373	423.959
5	423.422	424.040	424.463	424.496	424.139



SECTION A-A



CAMBER DIAGRAM

(See Table for h<sub>1</sub>, h<sub>2</sub> & h<sub>3</sub> heights)

Girder	(Inches) h <sub>1</sub>	(Inches) h <sub>2</sub>	(Inches) h <sub>3</sub>
Girder 1	7.425	10.578	8.460
Girder 2	6.791	9.561	7.309
Girder 3	6.532	9.043	6.532
Girder 4	5.711	8.368	6.296
Girder 5	5.265	8.193	6.435

NOTES:

All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.  
Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

FRAMING PLAN  
FAS 249 (C.H. 17 - YANKEE LANE) OVER CROW CREEK  
SECTION 03-00190-00-BR  
STA. 55+01 (S.N. 006-3231)  
BUREAU COUNTY  
PROJECT NO. BRS-249(104)  
WHA #1119D05