

Contract #98950

NOTES

1. N.T.R. designates members subject to the supplemental requirements for notch toughness (Zone 2).
2. All structural steel for beams and splice plates shall be AASHTO M270 Grade 50.
3. Fasteners shall be high strength bolts conforming to AASHTO M-164 specification (ASTM A325). Bolts $\frac{7}{8}$ " ϕ , open holes $\frac{15}{16}$ " ϕ , unless noted otherwise.
4. Number of shear studs req'd = 9,144 Northbound
5. For Section F-F see Dwg. S-17.

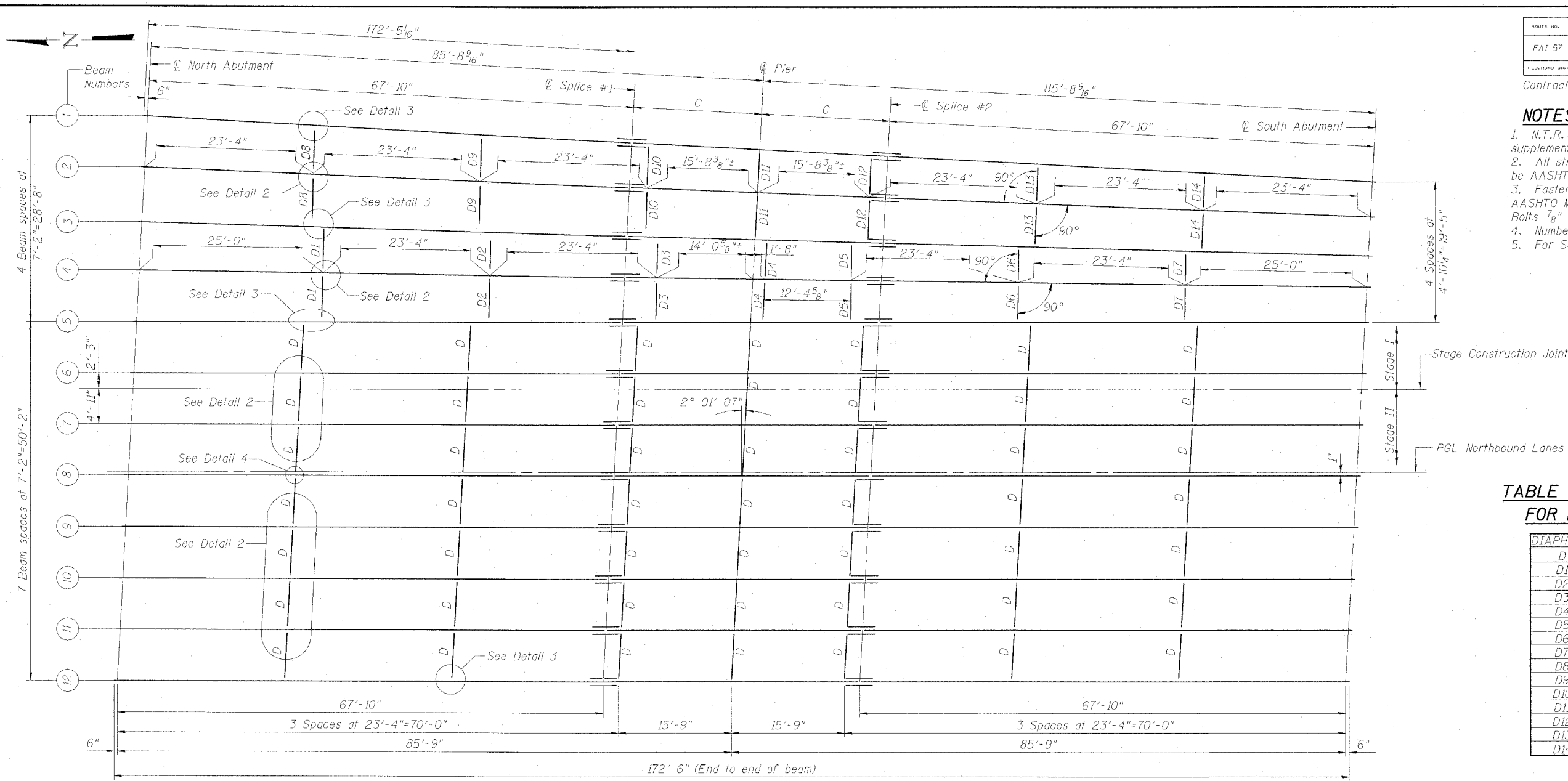


TABLE OF DIMENSIONS FOR DIAPHRAGMS

DIAPHRAGM	LENGTH
D	7'-2"
D1	6'-10"
D2	6'-6 $\frac{1}{2}$ "
D3	6'-2 $\frac{3}{8}$ "
D4	5'-11 $\frac{1}{8}$ "
D5	5'-9 $\frac{1}{8}$ "
D6	5'-6 $\frac{1}{2}$ "
D7	5'-2 $\frac{1}{4}$ "
D8	6'-10 $\frac{1}{4}$ "
D9	6'-6 $\frac{1}{2}$ "
D10	6'-2 $\frac{5}{8}$ "
D11	6'-0 $\frac{1}{2}$ "
D12	5'-9 $\frac{5}{8}$ "
D13	5'-5 $\frac{1}{8}$ "
D14	5'-2"

NORTHBOUND FRAMING PLAN

NORTHBOUND TOP OF BEAM ELEVATIONS

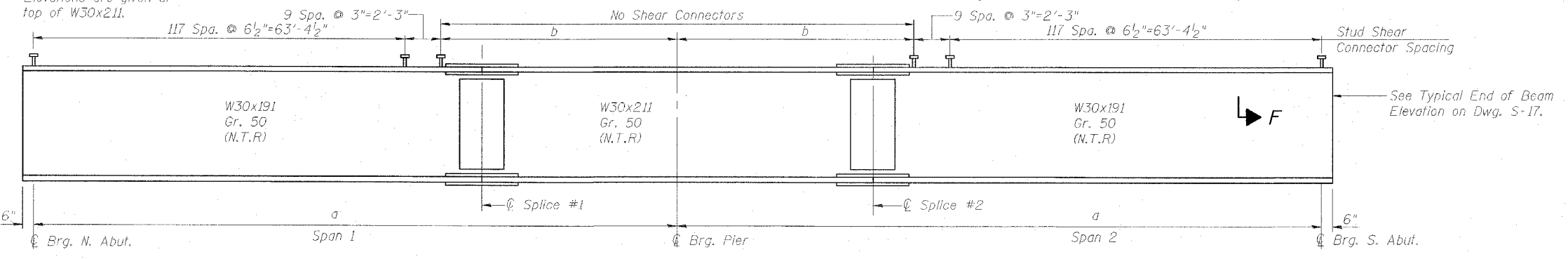
(For fabrication only)

LOCATION	BEAM 1	BEAM 2	BEAM 3	BEAM 4	BEAM 5	BEAM 6	BEAM 7	BEAM 8	BEAM 9	BEAM 10	BEAM 11	BEAM 12
⊕ Brg., N. Abut.	471.451	471.600	471.750	471.899	472.048	472.198	472.321	472.431	472.319	472.194	472.045	471.896
* Splice #1	471.470	471.600	471.731	471.861	471.989	472.136	472.261	472.370	472.259	472.134	471.985	471.840
⊕ Pier	471.454	471.573	471.699	471.824	471.953	472.107	472.231	472.341	472.229	472.105	471.956	471.811
* Splice #2	471.438	471.546	471.667	471.788	471.917	472.077	472.201	472.311	472.199	472.075	471.927	471.781
⊕ Brg., S. Abut.	471.356	471.457	471.559	471.661	471.762	471.912	472.037	472.147	472.036	471.912	471.764	471.615

*Elevations are given at top of W30x211.

TABLE OF DIMENSIONS

GIRDER	a	b	c
1 & 4	85'-8 $\frac{9}{16}$ "	20'-1 $\frac{1}{16}$ "	17'-10 $\frac{9}{16}$ "
2 & 3	85'-8 $\frac{3}{8}$ "	20'-0 $\frac{1}{8}$ "	17'-10 $\frac{3}{8}$ "
5-12	85'-9"	20'-1 $\frac{1}{2}$ "	17'-11"



BEAM ELEVATION

FRAMING PLAN, NORTHBOUND

INTERSTATE 57 OVER
WEST MAIN ST. (OLD IL RT. 13)
F.A.I. RT. 57 SEC. (X1-6)HBK-2
WILLIAMSON COUNTY
STATION 1529+96.11
STRUCTURE NO. 100-0084 (N.B.)
STRUCTURE NO. 100-0085 (S.B.)

DESIGN FIRM REGISTRATION
No. 184-000450

Clark Dietz
ENGINEERS

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NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

DESIGNED BY: SMM	PROJECT NO: 102314
DRAWN BY: MEW	DATE: 05/2006
CHECKED BY: SLD	
APPROVED BY: SMM	
ACTIVITY	INITIALS

DRAWING NUMBER
S-16