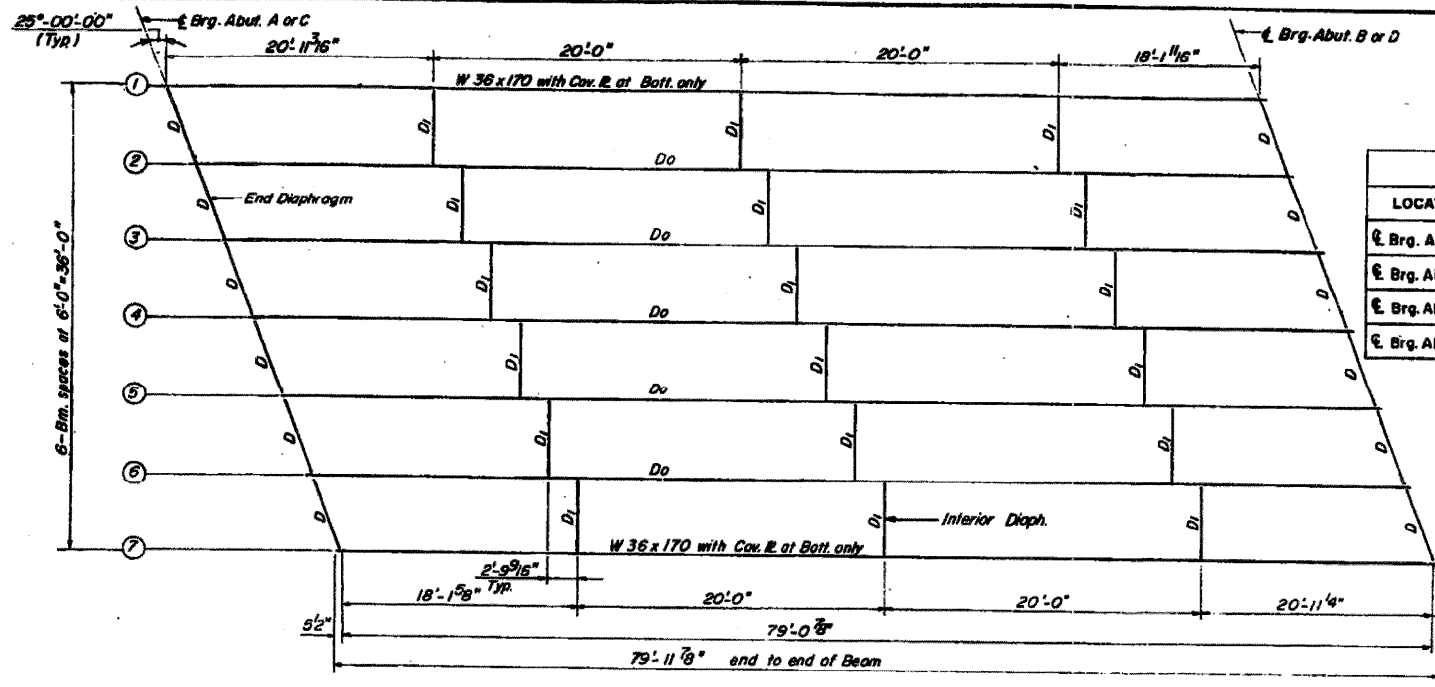


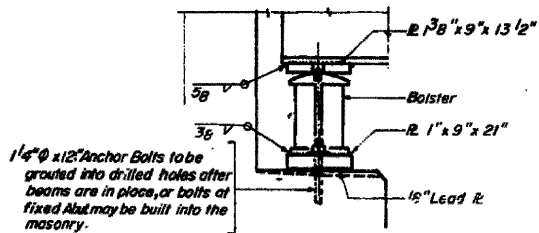
KEY PLAN



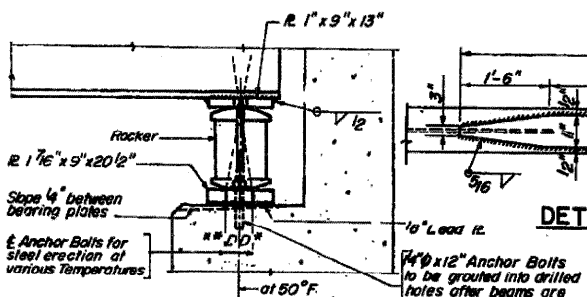
FRAMING PLAN

TOP OF BEAM ELEVATION							
LOCATION	BM #1	BM #2	BM #3	BM #4	BM #5	BM #6	BM #7
£ Brg. Abut. 'A'	589.74	589.98	590.22	590.46	590.70	590.94	591.18
£ Brg. Abut. 'B'	589.74	589.98	590.22	590.46	590.70	590.94	591.18
£ Brg. Abut. 'C'	590.86	591.10	591.34	591.58	591.82	592.06	592.30
£ Brg. Abut. 'D'	590.86	591.10	591.34	591.58	591.82	592.06	592.30

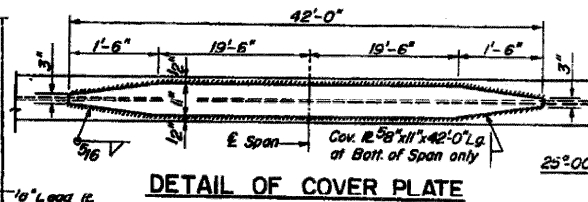
"The main load carrying member components subject to the Supplemental Requirements for Notch Toughness are the flanges, webs, and splice plates of the steel girders or wide flange beams."



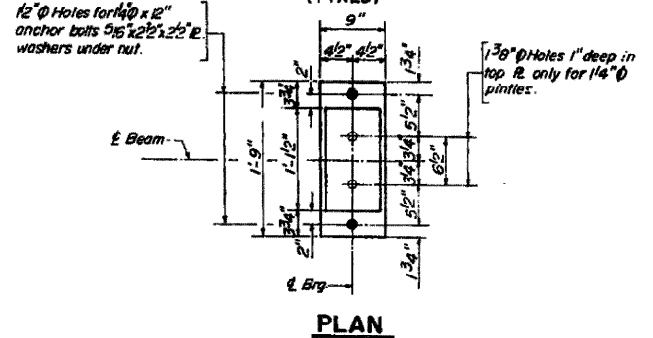
ABUTS. A & C (FIXED)



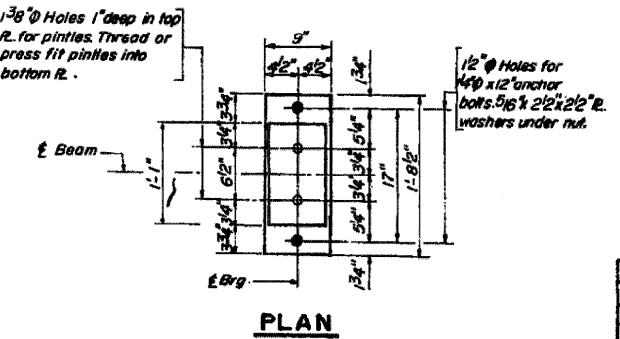
ABUTS. B & D BEARING (EXP.)



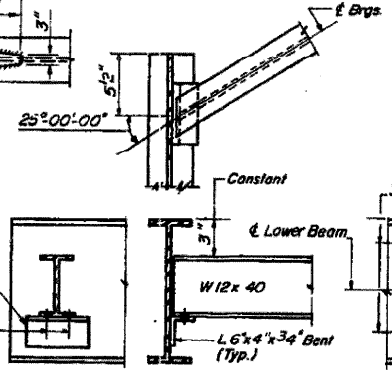
DETAIL OF COVER PLATE



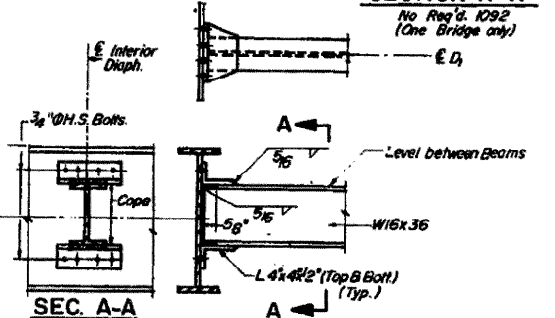
PLAN



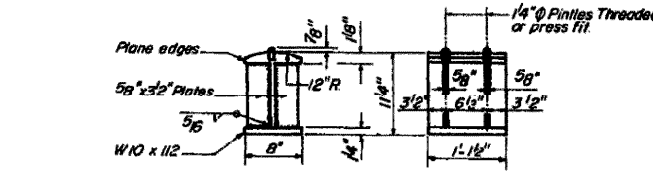
PLAN



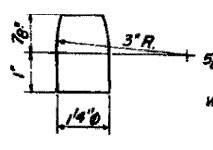
END DIAPHRAGM D



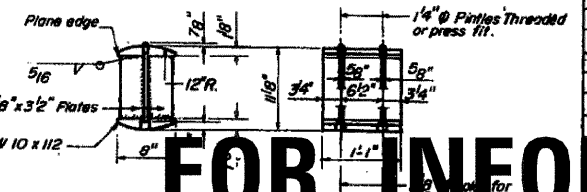
INTERIOR DIAPHRAGM D1



DETAIL OF BOLSTER ABUTS. A & C



DETAIL OF PINTLE

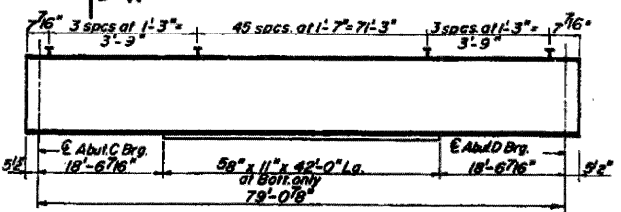


DETAIL OF ROCKER

INTERIOR BEAM MOMENT TABLE	
0.5 Span	
I _b (in ⁴)	12,559
I _c (in ⁴)	29,587
S _s (in ³)	762
S _c (in ³)	1039
I _b (in ⁴)	0.784
M _b (in ⁴)	607
F _s (ksi)	9.36
S _b (in ³)	0.346
M _s (in ⁴)	270
M _b + M _s (in ⁴)	776
Total (in ⁴)	1046

INTERIOR BEAM REACTION TABLE	
Abutment	
R _b (k)	44.1
R _c + Imp. (k)	47.9
R Total (k)	92.0

I_b and S_s are the moment of inertia and section modulus of the steel section.
I_c and S_c are the moment of inertia and section modulus of the composite section used in computing f_s.
VR is the maximum impact shear range in span.



BEAM ELEVATION

DESIGNED	H.R.S.
CHECKED	A.A.
DRAWN	A.M.
CHECKED	A.A.

FOR INFORMATION ONLY
LOCATION 4 Structure Numbers 081-0128 & 0129

SUPERSTRUCTURE STEEL
FA 403 SECTION 161-1B-2
FA 403 OVER CANOE CREEK
ROCK ISLAND COUNTY
STATION 710+50.00

* FAI ROUTES 74 & 85
** D2 BRIDGE PAINTING 2008-1