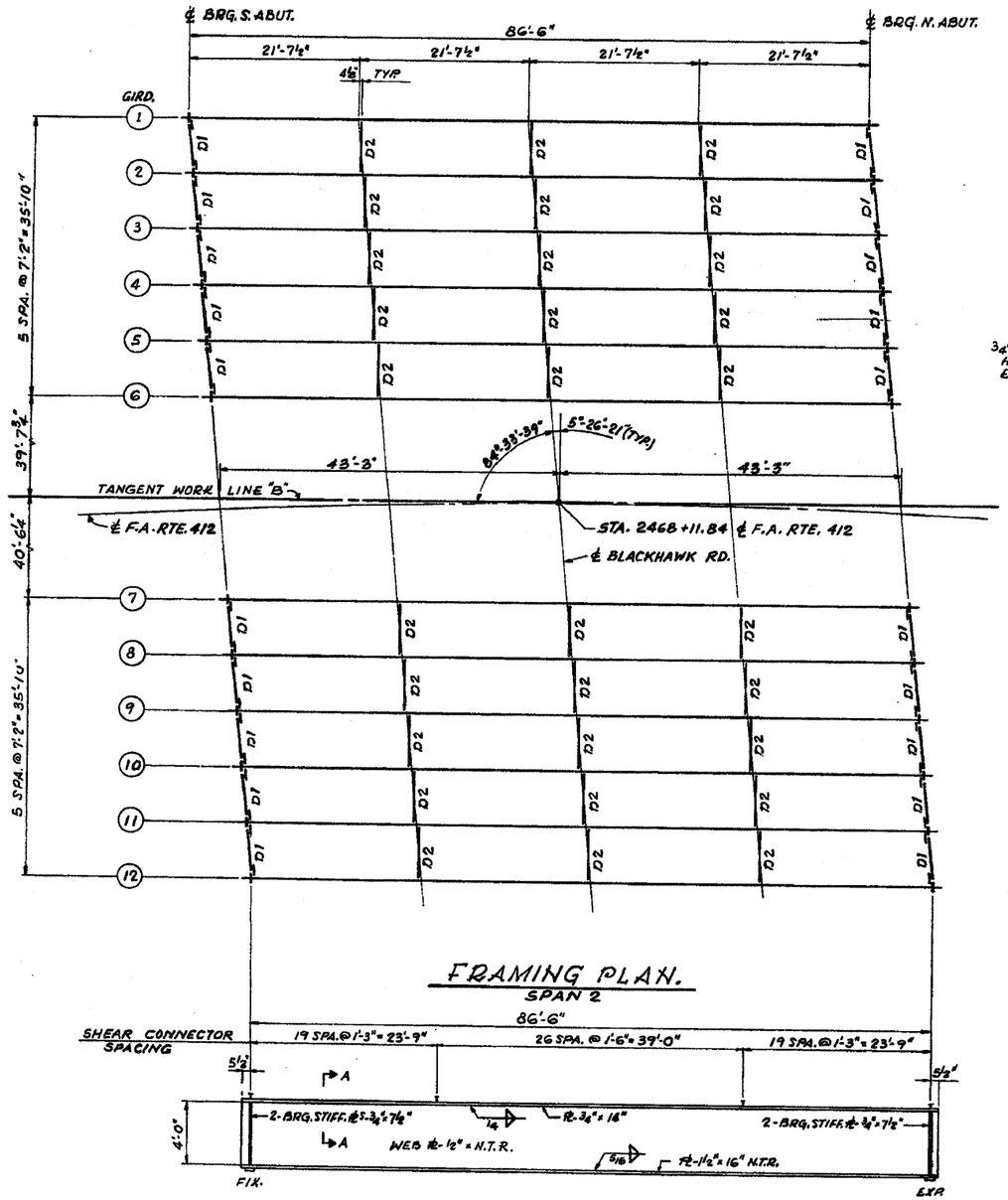
CONTRACT NO. 64E62

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-*-	-**-	-***-	14	12
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

* FAP 5 & FAI 39 (US 20 Bus.& I-39)
** Section D2 Bridge Painting 2009-1
*** Stephenson & Winnebago Counties



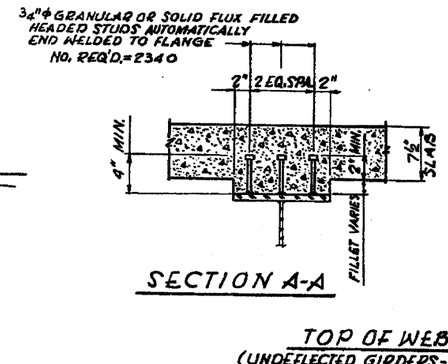
FRAMING PLAN.
SPAN 2

GIRDER ELEVATION.

NOTE:
N.T.R. DESIGNATES MEMBERS SUBJECT TO THE REQUIREMENTS FOR NOTCH TOUGHNESS.

REACTION TABLE

INTERIOR GIRDER REACTION TABLE	
	ABUT.
RDL (K)	57.5
RLL (K)	46.7
IMR (K)	11.0
R TOTAL (K)	115.2



SECTION A-A

MOMENT TABLE
SYMMETRICAL - COMPOSITE SPAN

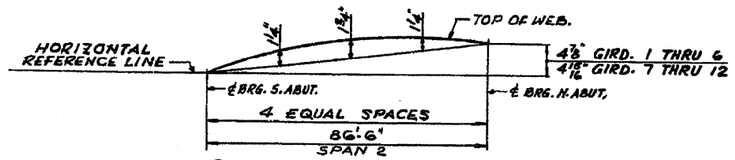
INTERIOR GIRDER MOMENT TABLE @ MIDSPAN	
Is (in⁴)	23600
Ic (in⁴)	61712
Ss (in³)	1197
Sc (in³)	1616
D.L. (K/I)	0.905
MDL (IK)	847
fs DL (KSI)	8.5
S DL (K/I)	0.416
MS DL (IK)	389
MLL (IK)	833
MIMR (IK)	197
TOTAL (IK)	1419
fs LL+I+SDL (KSI)	10.6
fs TOTAL (KSI)	19.1
VR (K)	57.7

Is AND Ss ARE THE MOMENT OF INERTIA AND SECTION MODULUS OF THE STEEL SECTION.
Ic AND Sc ARE THE MOMENT OF INERTIA AND SECTION MODULUS OF THE COMPOSITE SECTION USED IN COMPUTING fs.
VR IS THE MAXIMUM LL+IMPACT SHEAR RANGE IN SPAN.

TOP OF WEB ELEVATIONS
(UNDEFLECTED GIRDERS - FOR FABRICATION ONLY)

LOCATION \ GIRDER	1	2	3	4	5	6	7	8	9	10	11	12
℄ BRG. S. ABUT.	861.167	860.793	860.420	860.047	859.674	859.300	859.745	859.372	858.999	858.626	858.253	857.879
℄ BRG. N. ABUT.	861.573	861.200	860.827	860.454	860.081	859.709	860.157	859.785	859.412	859.039	858.666	858.293

NOTE: ELEVATIONS ARE GIVEN TO TOP OF WEB.



CAMBER DIAGRAM

Existing Plans SN 101–0142, 0143 FOR INFORMATION ONLY

PLOT DATE = Tue Oct 14 11:28:32 2008
FILE NAME = P:\PAINTING\64E62\PLANS\eng-dgn
PLOT SCALE = 52.3412 / IN.
USER NAME = lundvj