Route	Section	County	Total Sheets	Sheet No.
FA 634	138 BR	HENRY	[illegible]	[illegible]

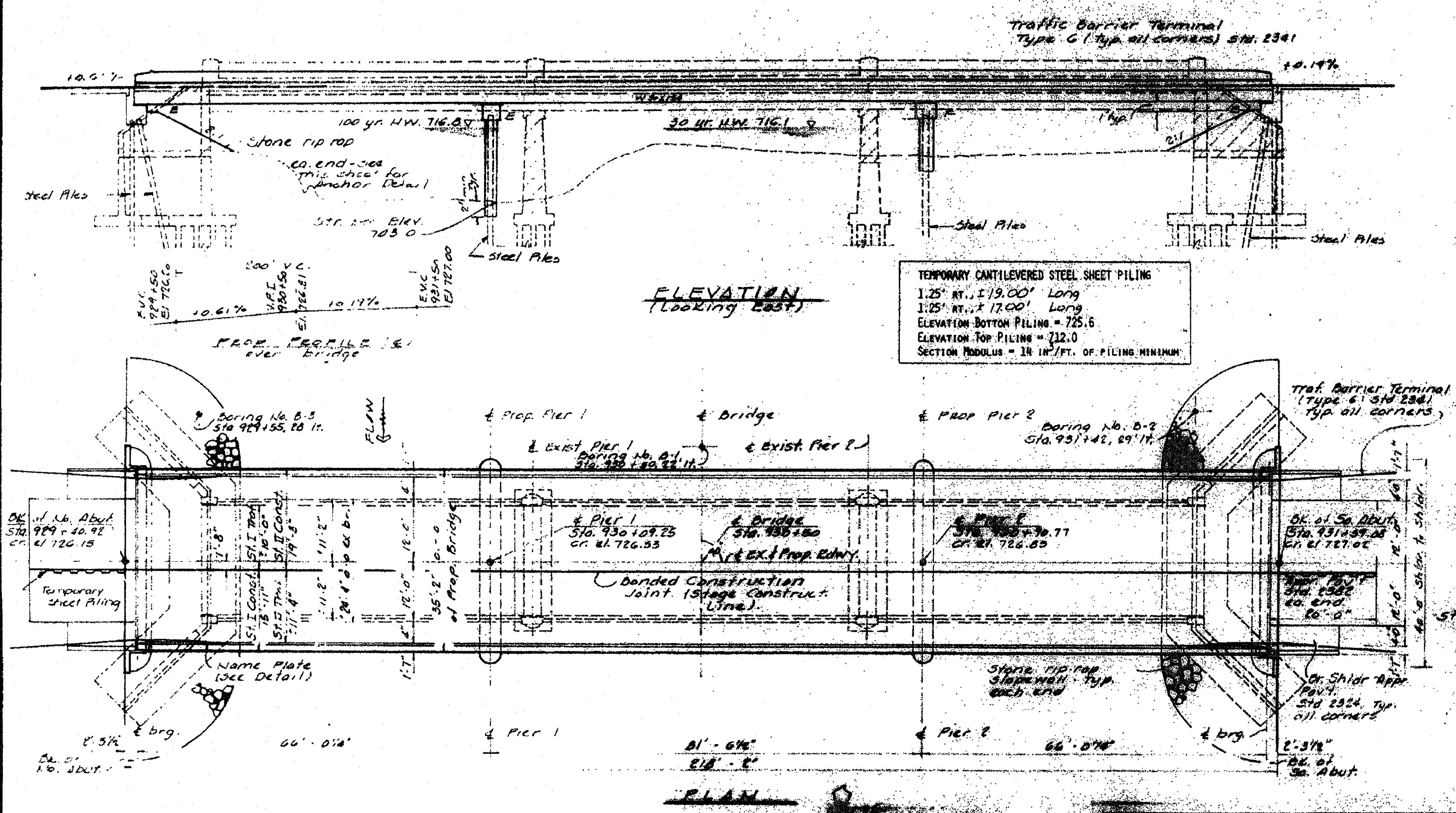
Station 930 + 50

Bridge Sheet 1 of [illegible] sheets

B.M. - RR Spike in [illegible] 10' left Station 929+50. Elev. 7[illegible]

Existing Bridge 3 span with [illegible] girders in each span. Solid Concrete abutments and [illegible] concrete piers. Reinforced concrete slab with [illegible] wearing surface and 2" asphalt overlay SN 037 [illegible] to Salvage.

The information shown for the Temporary Sheet Piling is estimated. It is the contractor's responsibility to provide a design of the Temporary Sheet Piling and associated members, if required, subject to the approval of the Engineer.



TEMPORARY CANTILEVERED STEEL SHEET PILING
1.25' RT., ± 19.00' Long
1.25' RT., ± 17.00' Long
Elevation Bottom Piling = 725.6
Elevation Top Piling = 712.0
Section Modulus = 14 in^3/ft. of piling minimum

GENERAL NOTES:

See Proposal for boring data.

The Contractor shall drive one (1) Steel Pile HP10x42 in a permanent location at Pier 1 and one (1) Steel Pile HP10x42 in a permanent location at Pier 2 as directed by the the Engineer before ordering the remainder of the pile.

Layout of the Stone Riprap slopewall may be varied in the field to suit the existing ground conditions as directed by the Engineer.

Reinforcement bars shall conform to the requirements of AASHTO M-31, M-42 or M-53, Grade 60.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustments shall be made either by grinding the surface or shimming the bearing. Two 1/8 inch adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims. For the Type I Elastomeric Bearings, shims having the dimensions of the top plate shall be provided and placed as detailed.

Fasteners shall be high-strength bolts. Bolts shall be 3/4" dia., open holes 13/16" dia., unless otherwise noted on the plans and shall conform to the requirements of AASHTO M-164.

The zinc-silicate and vinyl paint system shall be used for the shop and the [illegible] of structural steel except where otherwise noted.

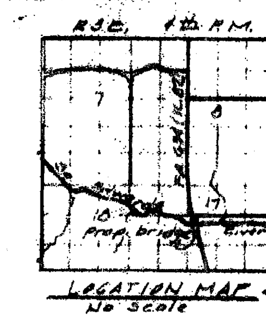
Field welding of construction accessories will not be permitted to the bottom flange of the beams nor to the top flange of the beam for a distance equal to 1/4 the span length each way from the pier supports. Field welding in other areas will be permitted only with the approval of the Engineer.

Anchor bolts shall be set before bolting diaphrams over supports.

The structural steel bearing plates of the elastomeric bearing assemblies shall conform to the requirements of AASHTO M223, Gr 50.

The main load carrying member components subject to tensile stress shall conform to the structural requirements for notch toughness Zone 2. These components are the wide flange beams and all splice plate material of the beams.

Calculated weight of the structural steel;
M 183 16749 lbs
M 223 Gr 50 = 174775 lb



WATERWAY INFORMATION										
Drainage Area 52.5 Sq. Mi. Low grade elev. 723.3 @ Station 923+29										
Flood		Freq. Yr.	Q C.F.S.	Opening - S.F. Exist.	Opening - S.F. Prop.	Nat. H.W.E.	Head ft. Exist.	Head ft. Prop.	Headwater Elev. Exist.	Headwater Elev. Prop.
Design	Main Channel	30	4232	993	1018	716.1	0.70	0.59	716.80	716.69
	Overflow		330	55	55					
	Total		4562	1048	1073					
Base	Main Channel	100	5431	1119	1154	716.8	0.93	0.76	717.73	717.56
	Overflow		295	63	63					
	Total		5726	1182	1217					
Max or Overtop	Main Channel	500	7024		300	717.5	—	1.02	—	718.52
	Overflow		345	—	64					
	Total		7369		1364					

DESIGN STRESSES	
f'c	[illegible]
fy (reinf.)	60,000 psi
fy (str. steel)	36,000 psi (AASHTO M183)
fy (str. steel)	[illegible]

Design [illegible] with [illegible] 35#/ft allowance for future resurfacing.

FOR INFORMATION ONLY

STATION 930+50
BUILT 198_ BY
STATE OF ILLINOIS
FA 634 SEC 138BR
[illegible] PROJECT [illegible]
LOADING HS-20
STRUCTURE NO. 037-0138

NAME PLATE DETAIL
See Std. 2[illegible]

APPROVED

TOTAL BILL OF MATERIAL - 138BR, Bridge Only				
Item	Unit	Super.	Sub.	Total
Class X Concrete	Cu. Yd.	-0-	[illegible]	[illegible]
Structural Steel	L. S.	[illegible]	-0-	[illegible]
[illegible] Bars	Lb.	-0-	[illegible]	[illegible]
[illegible] Bars	Lb.	[illegible]	-0-	[illegible]
[illegible] Joint Seal (2 1/2")	Lin. Ft.	[illegible]	-0-	[illegible]
[illegible] Expansion Joint (2")	Lin. Ft.	[illegible]	-0-	[illegible]
[illegible]	Sq. Yd.	[illegible]	-0-	[illegible]
[illegible] Bearing Assembly (Type I)	Each	[illegible]	-0-	[illegible]
[illegible] Bearing Assembly (Type II)	Each	[illegible]	-0-	[illegible]
[illegible]	Each	[illegible]	-0-	[illegible]
[illegible] Existing Structures	Each	[illegible]	[illegible]	[illegible]
[illegible]	Lin. Ft.	[illegible]	[illegible]	[illegible]
[illegible]	Each	[illegible]	[illegible]	[illegible]
[illegible]	Each	[illegible]	[illegible]	[illegible]
[illegible]	Cu. Yd.	[illegible]	[illegible]	[illegible]
[illegible]	Sq. Yd.	[illegible]	[illegible]	[illegible]
[illegible]	Lin. Ft.	[illegible]	[illegible]	[illegible]

GENERAL PLAN & ELEVATION

PROJECT
RTE. FA 634 (IL 82)
SECTION 138 BR over South Branch Edwards River
COUNTY HENRY
STATION 930 + 50

FILE NAME =	USER NAME = linkdj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Existing Bridge Plans Structure No. 037-0138	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D:\BR\Bridge Painting\Contracts\PAINTING\64G88\PLANeng.dgn	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED -			var	D2 Bridge Painting 2011-2	various	25	13
	PLOT DATE = Sat Jan 22 07:10:47 2011	CHECKED -	REVISED -		SCALE: ___ SHEET NO. __ OF ___ SHEETS STA. ___ TO STA. ___	CONTRACT NO. 64G88				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				