

Bench Mark: *A1 southwest corner of bridge, southeast corner of bridge name plate set in hand rail, high point. Elev. 563.54"

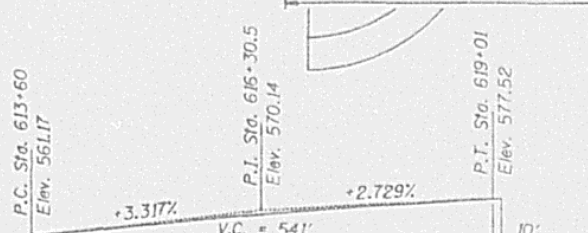
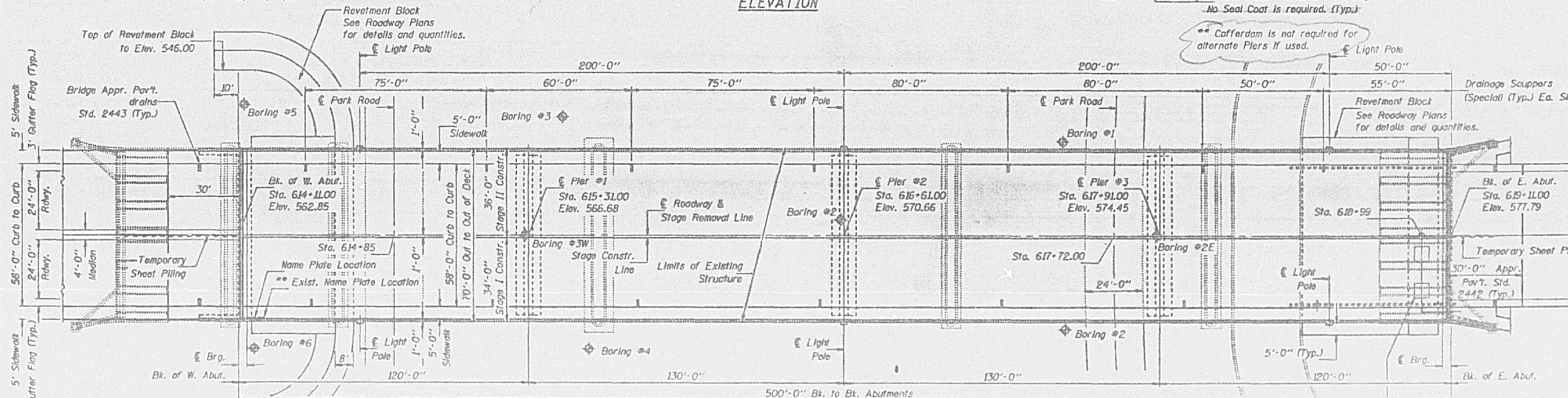
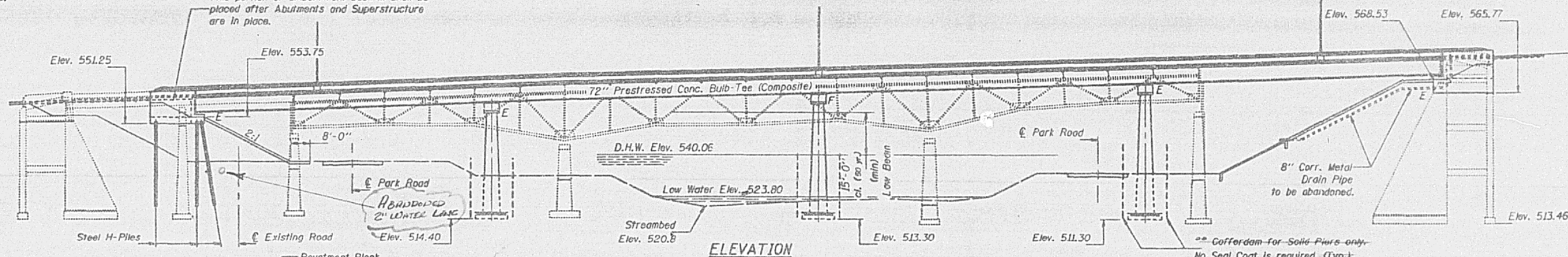
Existing Structure: Constructed in 1947 as F.A. Route 11. Structure is a six span structure; steel truss, plate girder and I-beam bridge on open abutments. The length Bk. to Bk. of Abutts. is 551'-0" with Out to Out width of 69'-6". Stage construction is to be utilized to maintain two lanes traffic at all times. No skew.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	BY	CHECKED	DATE	BY	SHEET NO.
F.A.P. 729	DBR	VERMILION	04	40	33 SHEETS

No Salvage:

This portion of embankment backfill shall be placed after Abutments and Superstructure are in place.



STATION 616+30.50
REBUILT 199 BY
STATE OF ILLINOIS
F.A.P. RT. 729 SEC. (34Z-DBR)
F.A. PROJ#F-SITF-129(1)
LOADING HS20
STR. NO. 092-0053

NAME PLATE
See Std. 2113

WATERWAY INFORMATION

Drainage Area = 307 sq. mi. Low Grade Elev. 550.72 @ Sta. 608+84.19

Flood	Freq. Yr.	C.F.S.	Opening Sq. Ft.	Nat. Exist.	Prop.	Head - Ft. Exist.	Prop.	Headwater El. Exist.	Prop.
Design	50	14970	4470	4338	540.06	0.22	0.23	540.28	540.29
Base	100	16890	4935	4756	541.16	0.24	0.25	541.40	541.41
Overtopping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	21360	5936	5657	543.49	0.26	0.28	543.75	543.77

DESIGN SPECIFICATIONS

AASHTO (1989) & 1990, 1991 Interim Specifications & Seismic Retrofitting Guidelines for Highways Bridges

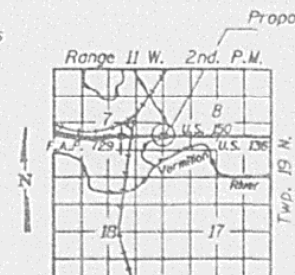
LOADING HS 20-44

Allow 25#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (Reinf.)

PRECAST PRESTRESSED UNITS
f_c = 6,000 psi
f_c' = 5,000 psi
f_s = 270,000 psi (1/2" Low-Relaxation Strands)
f_{si} = 201,960 psi (1/2" Low-Relaxation Strands)



LOCATION SKETCH

GENERAL PLAN
U.S. ROUTE 150 - MAIN STREET OVER
NORTH FORK VERMILION RIVER
F.A.P. ROUTE 729 SECTION (34Z-1)DBR
STATION 616+30.50
VERMILION COUNTY
STRUCTURE NUMBER 092-0053

DESIGNED: Steve [Signature]
CHECKED: W.S. W.D.C.
DRAWN: John F. Schneller Jr.
APPROVED: [Signature]
DATE: FEBRUARY 16 1995

