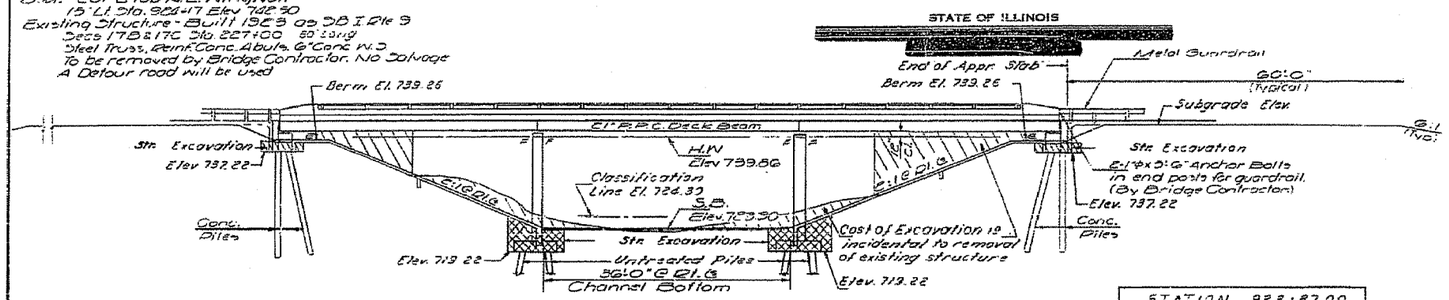
CONTRACT NO. 66604

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	17BR	FORD	40	29
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

C.H.-2001 a Too N.E. wingwall
15' Lt. Sta. 922+17 Elev 742.50
Existing Structure - Built 1923 as SBI Rte 9
Secs 17B & 17C Sta. 227+00 80' long
Steel Truss, Reinf. Conc. Abuts. & Conc. W.S.
To be removed by Bridge Contractor. No Salvage
A Detour road will be used

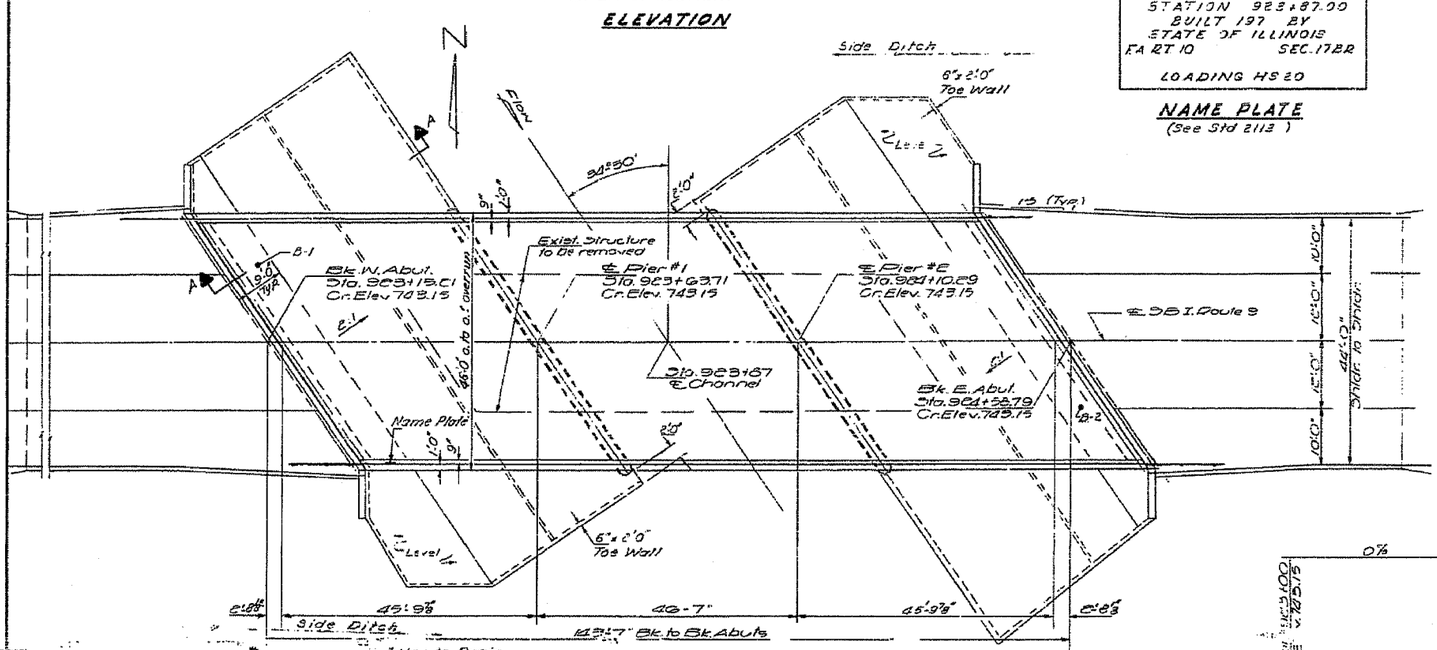
STATE OF ILLINOIS



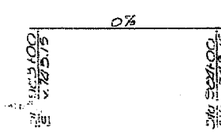
ELEVATION

STATION 923+87.00
BUILT 197 BY
STATE OF ILLINOIS
FA RT 10 SEC. 17BR
LOADING HS 20

NAME PLATE
(See Std 2113)



PLAN



PROPOSED PROFILE
S.B.I. RT. 9
(Top of Resurfacing)

DESIGNED	
CHECKED	Ashok Jenega
DRAWN	
GM CHECKED	Ashok Jenega

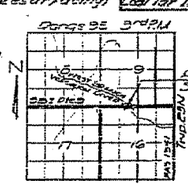
EXAMINED — JUNE 16 1970 — DIRECTOR OF HIGHWAYS AND TRAFFIC STATE ENGINEER
PASSED — CHIEF ENGINEER
APPROVED — CHIEF HIGHWAY ENGINEER

WATERWAY INFORMATION
Drainage Area -------- 54.0 Acres
Character--level, rolling, wooded, cultivated
Present Opening ------- 776 Sq. Ft.
Required Opening - (30 Yr. Flood) 1060 Sq. Ft.
Proposed Opening ------ 1060 Sq. Ft.
Q(30) = 2300 c.f.s.
Created Head 0.1 ft.

LOADING HS20-44

DESIGN STRESSES
Field Units
f_c = 1400 psi - Curb, Parapet, Sub.
f_s = 20,000 psi - Reinf.
f_s = 20,000 psi - Struct.
V_c = 75 psi - Flgs.
n = 10

PREC. PRESTR. UNITS
f'_c = 5000 psi
f'_{ci} = 4000 psi
f_s = 248,000 psi - Strands
f_{si} = 173,600 psi - Strands
Future W.S. 25 ft/s
Design Specifications
1969 AASHO as applicable



LOCATION SKETCH

10	8	FORD	77	26

SHEET NO. 3 OF 3 SHEETS

GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58 lb per 100 sq. ft.

The Contractor shall drive one concrete test pile at the West abutment and one timber test pile at Pier 2, both in a permanent location as directed by the Engineer before ordering the remainder of piles.

Class A Excavation for structures includes excavation for slope wall.

An alternate strand pattern using Extra High Strength Prestressing strand (270 K.S.I.) is permitted.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

Protective Coat shall not be applied to surfaces to which Coal Tar Interlayer Protective Coat is applied.

The Concrete Curb, Parapet & End Post shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of handrail concrete.

Layout of slope walls may be varied in the field to suit ground conditions as directed by the Engr.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Bit. Conc. Surface Course Class I	Ton	85		85
Removal of Existing Structure	Ea.			1
Structure Excavation	Cu. Yds.		310	310
Protective Coat	Sq. Yds.	105		105
Class A Concrete	Cu. Yds.		226.4	226.4
Class X Concrete	Cu. Yds.	39.6	67.5	107.1
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	6415		6415
Aluminum Railing	Lin. Ft.	253		253
Reinforcement Bars	Lbs.	3780	19177	22957
Untreated Piles (Up to 30')	Lin. Ft.		1250	1250
Test Piles (Timber)	Ea.		1	1
Concrete Piles	Lin. Ft.		535	535
Test Piles (Concrete)	Ea.		1	1
Anchor Plates	Ea.	1		1
Slope Wall (6")	Sq. Yds.		1100	1100
*Bridge Seal Sealer	L.S.			1
Coal Tar Interlayer Protective Coat	Sq. Yds.	670		670

*At abutments only

GENERAL PLAN & ELEVATION

F.A.R.T. 10 SBI RT. 9 OVER WEST BRANCH
VERMILION RIVER
F.A.R.T. 10 SEC. 17BR
FORD COUNTY
STA. 923+87.00

FOR INFORMATION ONLY

EXISTING BRIDGE PLANS