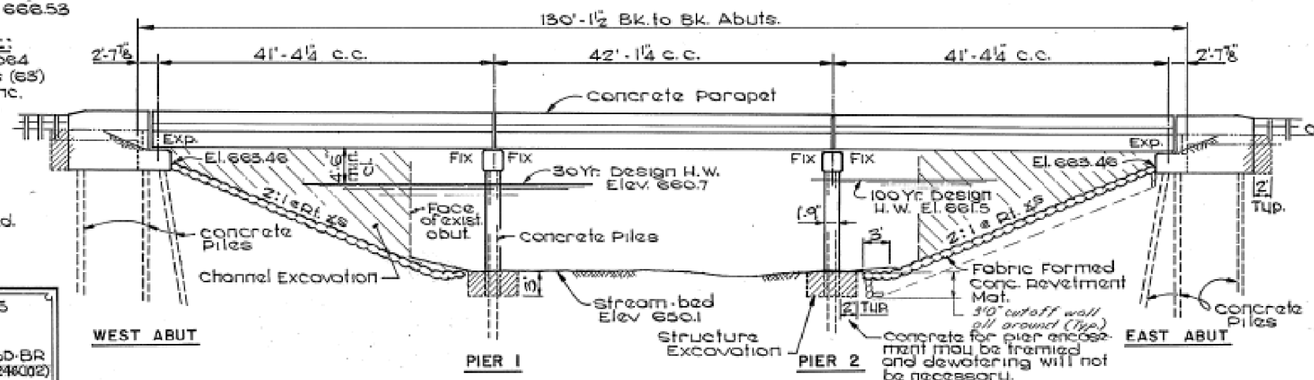
BENCH MARK: S. E. wing of existing bridge Elev. 666.58

EXISTING STRUCTURE:
structure No. 006-0064
A one span steel truss (6S) 21' wide on closed conc. abutments. Built 1925 as Section 8-D. Contractor shall remove the existing structure before construction of new bridge. No salvage. Traffic to be detoured.

STATION 30+93.5
COAL CREEK
BUILT 1980
F.A.S. RT. 2246 SEC. 8D-BR
F.A. PROJ. BR-S-2246(002)
LOADING HS-20
STR. No. 006-

NAME PLATE LETTERING
See Std. 2113
structure No. to be supplied by the District



ELEVATION

NOTE:
Remove existing abuts. 12" below the elev. of the Conc. Revetment Mat in that location.

NOTE
Structure designed in accordance with A.A.S.H.T.O. Specifications dated 1977, and interim specifications dated 1978 and 1979.

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

				TOTAL SHEETS	SHEET NO.
6	8D BR	BUREAU		9	4
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT			

FAS 2246

BILL OF MATERIAL - BRIDGE

ITEM	UNIT	SUB.	SUPER.	TOTAL
CHANNEL EXCAVATION	CU.YD.			700
BITUMINOUS CONC. SURF. COURSE, MIX. D, CL. I	TON		36	36
REMOVAL OF EXISTING STRUCTURES	EACH			1
STRUCTURE EXCAVATION	CU.YD.	200		200
PROTECTIVE COAT	SQ.YD.		121	121
CLASS X CONCRETE	CU.YD.	163.9	341	1950
PRECAST PRESTRESSED CONC. DECK BMS. (21" DEPTH)	SQ.FT.		4536	4536
STRUCTURAL STEEL	LBS.		5676	5676
REINFORCEMENT BARS	LBS.	12970	3080	16050
REINFORCEMENT BARS (EPOXY COATED)	LBS.		280	280
CONCRETE PILES	LIN.FT.	1665		1665
TEST PILES (CONCRETE)	EACH	2		2
NAME PLATES	EACH		1	1
PORTLAND CEMENT MORTAR FAIRING COURSE	LIN.FT.		1008	1008
WATERPROOFING MEMBRANE SYSTEM	SQ.YD.		460	460
PREFORMED JOINT SEAL - 2½	LIN.FT.		85	85
FABRIC FORMED CONCRETE REVETMENT MAT	SQ.YD.			815

GENERAL NOTES

See Special Provisions for Boring Data.

A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed conc. deck bms. & Cl. X Conc. for parapets.

All structural steel shall be shop painted with two coats of basic lead silico chromate paint.

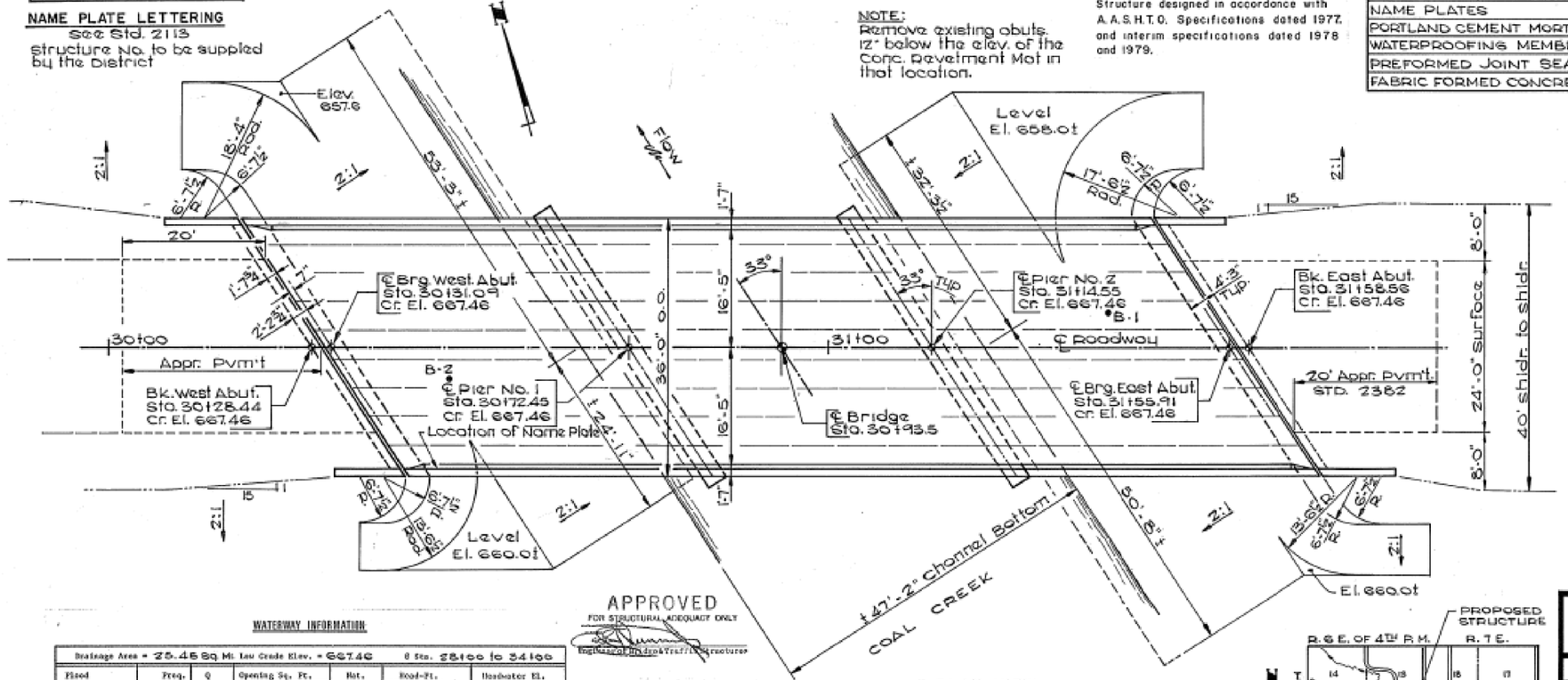
Layout of Fabric Formed Concrete Revetment Mat may be varied in the field to suit ground conditions as directed by the Engineer.

The contractor shall drive one (1) Conc. test pile at west Abutment and Pier 2 in permanent locations as directed by the Engineer before ordering the remainder of piles.

The top surface of the beams shall be finished in accordance with 505.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners.

Protective coat shall not be applied to surfaces to which waterproofing Membrane is applied.

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



APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Engineer of Bridges & Structures

WATERWAY INFORMATION

Drainage Area = 25.45 Sq. Mi. Low Grade Elev. = 667.46 @ Sta. 33+00 to 34+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Hwt. H.W.E.	Head-Ft. Exist.	Head-Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
Design	30	4000	562	700	660.7		0.40		661.1
Base	100	5140	607	758	661.5		0.87		662.37
Overtopping									
Max. Calc.	500								

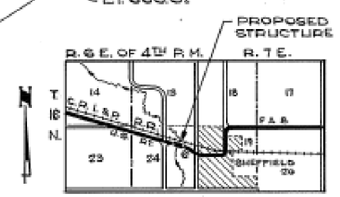
DESIGN STRESSES

FIELD
f_s = 24,000 p.s.i
fc = 1,400 p.s.i
v = 56 p.s.i
n = 9

SHOP - PRESTR. BEAMS
f'_c = 5,000 p.s.i
f'_{ci} = 4,000 p.s.i
f'_s = 270,000 p.s.i
f'_{si} = 189,000 p.s.i

PLAN VIEW

LOADING HS 20-44
Includes allowance for 25 p.s.f. future wearing surface



SECTION 8D BR
F.A.S. RT. 2246 U. S. RT. 6
BUREAU COUNTY

GENERAL PLAN AND ELEVATION

DESIGNED BY: BEL L. THOMPSON DATE: MAY 1980
DRAWN BY: R. RHOADS DATE: MAY 1980
CHECKED BY: D.E. HUFFMAN DATE: MAY 1980
APPROVED BY: DATE:

WILLETT HOFMANN & ASSOCIATES, Inc. Consulting Engineers

6/6/80

WHA JOB NO. 79-0099-02-BR BRIDGE SHEET 1 OF 6

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -
c:\pw_work\pwidot\carpenterdj\d0183264\D366A17-sht-exbridge.dgn	DRAWN -	REVISED -	
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/1/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS FOR INFORMATION ONLY

SCALE: ____ SHEET NO. __ OF __ SHEETS STA. ____ TO STA. ____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
613	(8D BR)BR	BUREAU	63	49
		CONTRACT NO. 66A17		
		ILLINOIS FED. AID PROJECT		