

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Project No.	885	Sheet No.	27
Section	111BR-1	County	POPE
Contract No.	78033		

B.M. Sq. Cor. S.W. Corner Bridge wing wall  
Rt. Sta. 671+50 Elev. 370.34.  
Existing Structure: Simple R.C.D. Girders  
at 45'-2 1/4" with RC closed abutments  
built as SBI RTE 146 sec. 11B in 1929  
at station 671+76 Superstructure  
to be removed and replaced a  
portion at a time by contractor  
utilizing stage construction as  
shown.  
Existing Structure Number: 076-0006.

GENERAL NOTES

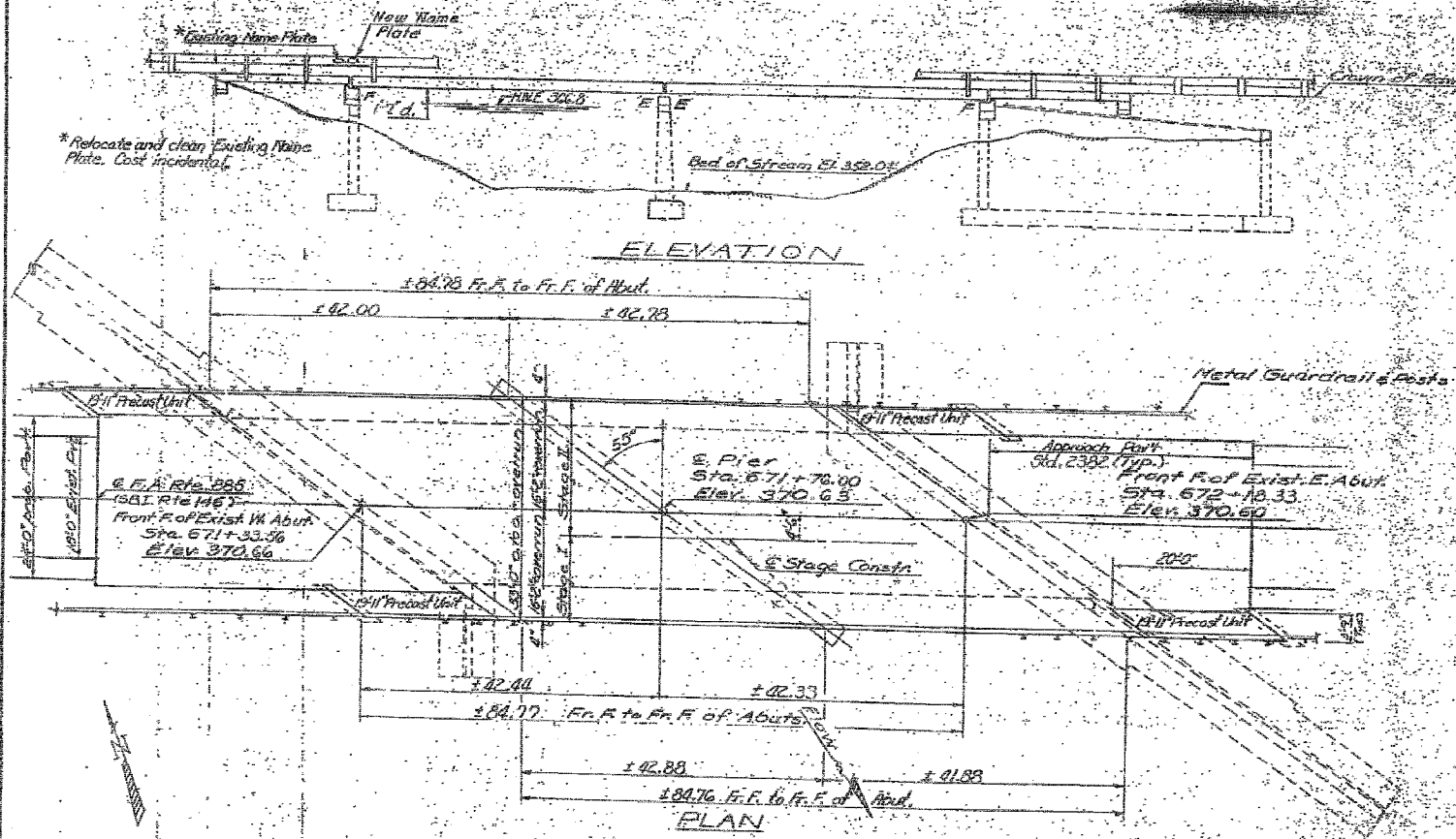
Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to removal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The top surface of the beams shall be finished in accordance with article 505.06 of the Standard Specification except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners, and the top edge of keys shall be rounded or chamfered a minimum of 1/4".

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

Limits of Bituminous Concrete Surface Course Class I and Waterproofing Membrane System shall be out to out of deck and 2'-0" beyond each end of deck.

A Calcium Nitrate Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.

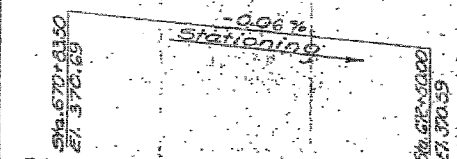


STATION 671+76.00  
REBUILT BY  
STATE OF ILLINOIS  
FA. RT. 885 SEC. 11B-DR-1  
FA. PROJ. BH-F-885(4)  
LOADING HS-20  
SIB. NO.

NAME PLATE  
Sd. 2113  
\* Structure Number to be supplied by District.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Bituminous Conc. Surface Course Class I	Sq. Yd.	33		33
Removal of Existing Superstructure	Each	1		1
Concrete Removal	Cu Yd.		35	35
Class I Concrete	Cu Yd.	2.6	608	610.6
Precast Concrete Bridge Slab	Sq. Ft.	299		299
Precast Prestressed Conc. Deck Beams	Sq. Ft.	230		230
Steel Rolling Type 5-1	Lin Ft.	258		258
Reinforcement Bars	Pound	530	6820	7350
Waterproofing Membrane System	Sq. Yd.	337		337
Temporary Bridge Coll.	Lin Ft.	163		163
Nonshrink Expansion Joint	Lin Ft.	50		50
Name Plates	Each	1		1
Portland Cement Mortar Painted Course	Lin Ft.	283		283



PROPOSED GRADE FA RT 885 (SBI RTE 146)  
2d of Class I

WATERWAY INFORMATION

Drainage Area: 137 sq. mi. Low Grade Elev. 370.50 @ Sta. 673+00

Flood	Req. Q	Overall Op. Ft.	Mat. H.W.L.	Head - Ft.	Headwater El.	Waterfall El.
Design	50 3633	564	564	366.8	190	190
Base	100 4403	578	578	367.1	2.40	2.40
Overlapping						
Max. Calc.	300 5711	587	587	367.8	2.30	2.30

PRECAST PRESTRESSED UNITS

f'c = 5000 psi  
f's = 4200 psi  
f's = 270,000 psi (Strands)  
f's = 188,000 psi (Strands)

FIELD UNITS PRECAST UNITS

f'c = 3500 psi  
f's = 60,000 psi (Reinf.)  
f'c = 4800 psi  
f's = 1800 psi  
f's = 200,000 psi

Proposed Improvement



GENERAL PLAN & ELEVATION

PROJECT  
FA RT. 885 OVER SUGAR CREEK  
FA RT. 885 (SBI RTE 146) SEC. 11B-DR-1  
POPE COUNTY  
STATION 671+76.00

Revised 7-15-81 JTD; Revised 10-1-81 JRS; Revised 3-18-83 JRS



FOR INFORMATION ONLY

FILE NAME =	USER NAME = #USER#	DESIGNED - JHM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS	F.A.P. RTE. 885	SECTION 111BR-1	COUNTY POPE	TOTAL SHEETS 69	SHEET NO. 27		
#FILE#	PLOT SCALE = #SCALE#	DRAWN - AEC	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT			
	PLOT DATE = #DATE#	CHECKED - JMH	REVISED -			CONTRACT NO. 78033						
		DATE - 03/18/08	REVISED -									