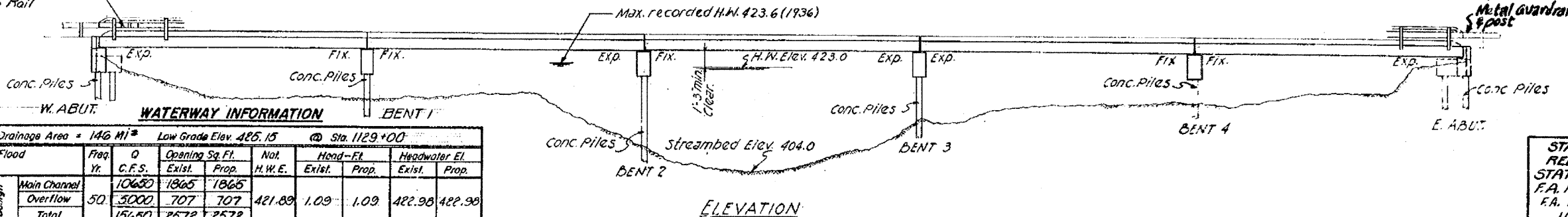


B.M. Top of Row monument 40' Lt. of Sta. 1116+68 Elev. 436.05  
 Existing Structure: Built as S.B. 1.161, Sec. 126-B, in 1934 as Sta. 1119+05  
 Superstructure: Steel I.B.M. Substr. R.C. Bents  
 The Contractor shall remove the existing superstructure using stage construction to maintain traffic at all times.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DATE	DESIGNED	CHECKED	EXAMINED	APPROVED	SHEET NO. / 14 SHEETS

Name & Location  
 South Rail



**WATERWAY INFORMATION**

Drainage Area = 146 MI<sup>2</sup> Low Grade Elev. 485.15 @ Sta. 1129+00

Flood	Freq. Yr.	Opening Sq. Ft.		Vol. H.W.E.	Head-Fl.		Headwater El.	
		Exst.	Prop.		Exst.	Prop.	Exst.	Prop.
Design	Main Channel	10650	1865	1865				
	Overflow	50	3000	707	421.89	1.09	1.09	422.96
	Total	15650	2572	2572				
Base	Main Channel	12870	2067	2067				
	Overflow	100	6410	773	422.76	1.25	1.25	424.01
	Total	19280	2840	2840				
Maximum or Overflowing	Main Channel	16070	2215	2215				
	Overflow	500	9430	874	424.11	1.55	1.55	425.66
	Total	25500	3089	3089				

STATION 1119+05  
 REBUILT BY  
 STATE OF ILLINOIS  
 F.A. RTE. 805 SEC. 126 BR  
 F.A. PROJECT: BHF 805(20)  
 LOADING H520  
 STR. NO. 014-0007  
 NAME PLATE  
 (See Sht. 213)

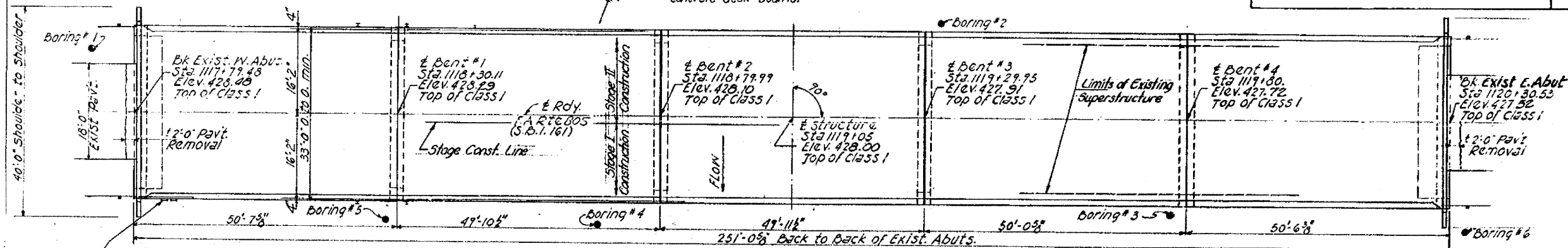
TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Bituminous Concrete Surface Course Class I	Tons	102		102
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		10	10
Expansion Bolts 3/4"	Each		56	56
Class X Concrete	Cu. Yd.	20.6	54.6	75.2
Precast Prestressed Concrete Deck Beams (2' Depth)	Sq. Ft.	8154		8154
Reinforcement Bars	Pound	1390	6280	7670
Waterproofing Membrane System	Sq. Yd.	853		853
Pavement Removal & P.C.C. Replacement, Type I (2')	Sq. Yd.	8		8
Steel Railing Type F-1	Lin. Ft.	496		496
Preformed Joint Seal 2"	Lin. Ft.	132		132
Temporary Bridge Rail	Lin. Ft.	251		251
Structural Steel	Pound	9260		9260
Protective Coat	Sq. Yd.	82		82
Concrete Piles	Lin. Ft.		502	502
Name Plates	Each	1		1
Portland Cement Mortar Faring Course	Lin. Ft.	2472		2472
Repair Concrete Structure	Sq. Ft.		8	8
Epoxy Crack Sealing	Lin. Ft.		102	102

GENERAL NOTES

The top surface of the beams shall be finished in accordance with Article 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, and the top edge of keys shall be rounded or chamfered a minimum of 4".  
 Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.  
 Expansion bolts shall consist of approved expansion anchors, providing a certified min. proof load = 4,000 lbs., and 3/4" x 12" hooked bolts.  
 Reinforcement bars shall conform to the requirements of AASHTO M-31 or M-53 Grade 60.  
 Shoulder transition to wingwall shall be shaped with broken concrete. Cost incidental.  
 A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.

See Proposal for Boring Data.  
 All structural steel shall be shop painted with the zinc-silicate and vinyl paint system.  
 Expansion guards which are not cast in the precast unit shall be fabricated and erected in accordance with Article 503.07(c) of the Standard Specifications and are included in quantity of structural steel.  
 Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal 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.  
 Limits of Waterproofing Membrane System shall be end to end of deck beams and face to face of curbs.



Existing Name R to be cleaned & relocated (Cost Incidental)

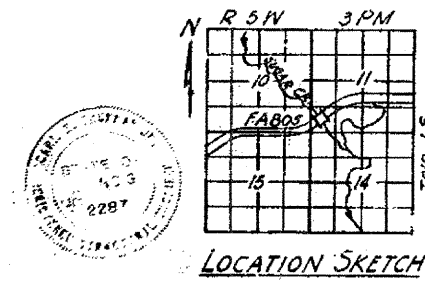
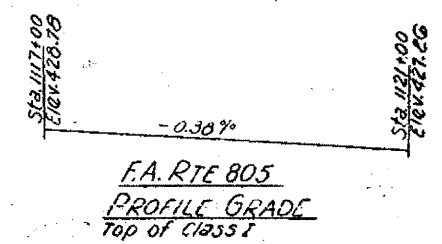
DESIGNED: *[Signature]*  
 CHECKED: *[Signature]*  
 DRAWN: J. Sutherland  
 FEBRUARY 1 1973  
 EXAMINED: *[Signature]*  
 PASSED: *[Signature]*  
 CHECKED: LK GR

DESIGN STRESSES

FIELD UNITS  
 fc = 3500 p.s.i. sub  
 fy = 60,000 p.s.i. Reinf.

PRECAST PRESTR. UNITS  
 fc = 5000 p.s.i.  
 fci = 4000 p.s.i.  
 fs = 270,000 p.s.i. 6 strands  
 fsi = 189,000 p.s.i. 6 strands

Design Specifications 1977 A.A.S.H.T.O., 1978 Thru 1982 Interim Specifications (as applicable).  
 Allow 25% per Sq. Ft. for future wearing surface.  
 HS-20-44 LOADING



GENERAL PLAN & ELEVATION  
 F.A. RTE. 805 OVER SUGAR CREEK  
 F.A. RTE. 805 (S.B. 1.161) SECTION 126 BR  
 CLINTON COUNTY  
 STATION 1119+05

FOR INFORMATION ONLY

FILE NAME: c:\p\work\p\pidot\gelink\dss51845\pln20526.dgn	USER NAME: gelink	DESIGNED - HG	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE	F.A.P. RTE. 805	SECTION 126-BR-1	COUNTY CLINTON	TOTAL SHEETS 85	SHEET NO. 66	CONTRACT NO. 76976
PLDT SCALE: 103.8465 1/4 IN.	PLDT DATE: 12/9/2008	CHECKED - ---	REVISED - ---	SCALE: 1" = 50'	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					