CONTRACT NO. 76949

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1832	5BR-2	WASHINGTON	97	44
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

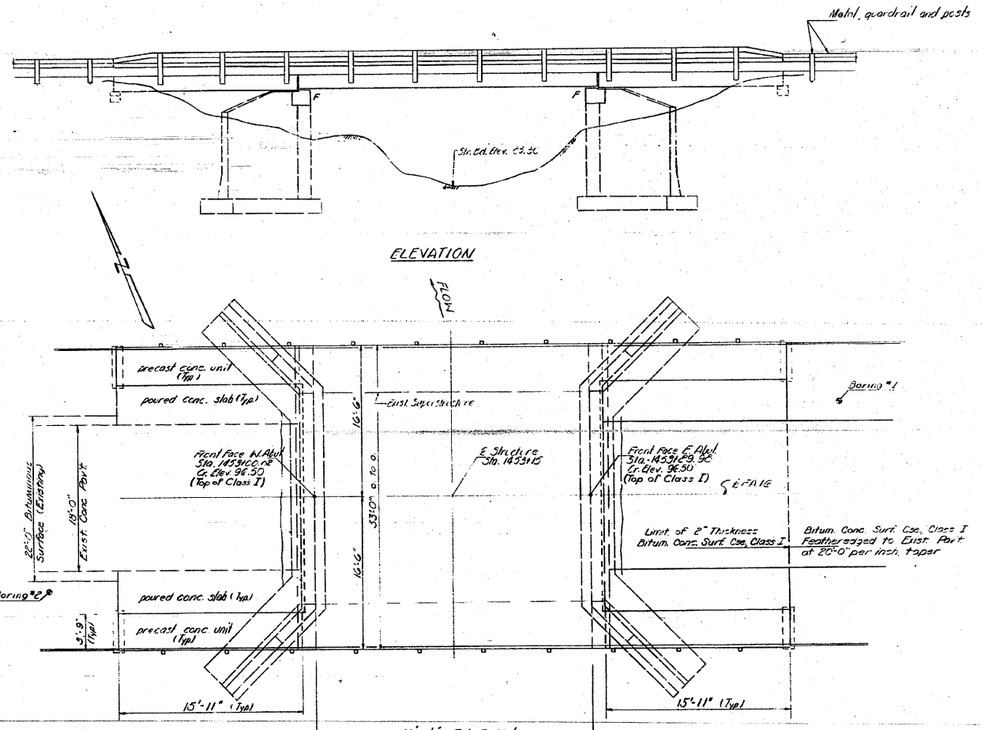
BM: Chiseled "I" on Top of Northwest abutment wingwall 16'-11" Sta. 1452+96 Elev. 90.00

Existing Structure: 1 Span R.C. Thru Girder @ 33'-0" BK to BK Built in 1921 as 301 Pt 15, Sec. 5-B @ Sta. 1433+15. Existing deck to be removed by Bridge contractor.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SECT. NO.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 16 SBR-1	WASHINGTON	2	1
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	

SHEET NO. 1
6 SHEETS



TOTAL BILL OF MATERIAL

Item	Unit	Super.	Sub	Total
Portland Cement Concrete Pavt (11")	Sq. Yds.	27		27
Pavement Fabric	Sq. Yds.	27		27
Concrete Removal	Cu. Yds.		9	9
Expansion Bolts (¾"ø)	Each	40	32	72
Class X Concrete	Cu. Yds.	1.6	13.2	14.8
Precast Prestressed Conc. Dk Beams (30")	Sq. Ft.	1083		1083
Precast Concrete Bridge Slab	Sq. Ft.	239		239
Steel Railing, Type N	Lin. Ft.	130		130
Reinforcement Bars	Lbs.		1730	1730
Pavt Removal, Pcc Replacement Type I (10")	Sq. Yds.	2		3
Removal of Existing Superstructure	Each			1
Coal Tar Interlayer Protective Coat	Sq. Yds.	120		120
Bit. Concrete Surf. Course Class I	Ton	37		37

GENERAL NOTES

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

It shall be the responsibility of the contractor to verify all dimensions and conditions existing in the field prior to construction and ordering materials.

An alternate strand pattern using Extra High Strength Prestressing strand (270 k.s.i.) is permitted

Expansion bolts shall consist of self drilling expansion anchors and ¾"ø hooked bolts. Hooked bolts shall extend a minimum of 12" into new concrete unless otherwise shown.

Shoulder transition to wingwall shall be shaped with broken concrete. Cost incidental.

Limits of Coal Tar Interlayer Protective Coat shall be back to back of abutments.

DESIGNED	H.Y. Lee
CHECKED	G.B. Miller F.C.
DRAWN	
CHECKED	G.B.M.

JANUARY 26, 1971

EXAMINED

PASSED

APPROVED

Rev. 2-25-71 W.H.

PRECAST PRESTRESSED UNITS

f'_c	=	5,000 psi
f'_{ci}	=	4,000 psi
f'_s	=	248,000 psi (7 #5 strands)
f_{si}	=	173,600 psi (7 #5 strands)

PRECAST UNITS

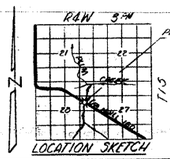
f'_c	=	4,500 psi
f_c	=	1,800 psi
f_s	=	20,000 psi
n	=	8

FIELD UNITS

f'_c	=	1,000 Lbs./Sq.In.
V_c	=	75 Lbs./Sq.In.
f_s	=	20,000 psi Reinf.
n	=	10

Allow 25% for future W.S.

Loading HS 20-44



LOCATION SKETCH

FA. RTE. 16 OVER TRIBUTARY TO PLUM CREEK
FA. RTE. 16 SECTION 5BR-1
WASHINGTON COUNTY
STATION 1453+15

Rev. 11-15-71

S.N. 095-0077

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS

FAS ROUTE 1832
SECTION 5BR-2
WASHINGTON COUNTY

SCALE: VERT. HORIZ.
DRAWN BY
DATE
CHECKED BY

FOR INFORMATION ONLY

PLOT DATE = 11/29/2007
FILE NAME = c:\projects\ed09185\plan\pln09185a.dgn
PLOT SCALE = 50.0000 ' / IN.
REFERENCE = REF