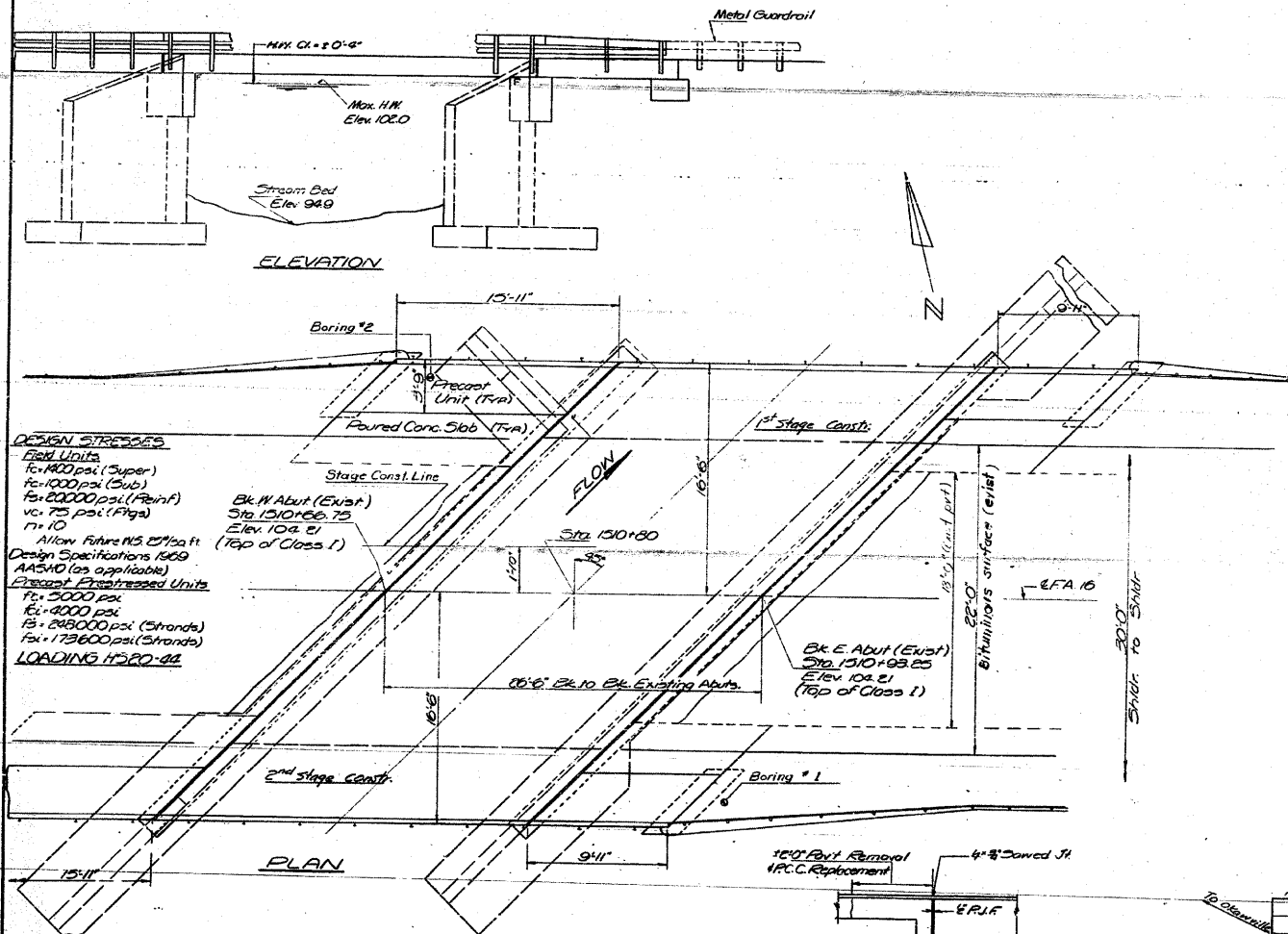


STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS

PROJECT NO. WASHINGTON 20 13
 SHEET NO. 1
 OF 8 SHEETS

B.M. Spike in power pole 35' right Sta. 1509+82 Elev. 102.43
 Existing Structure: Built as SBR 13 Sec 5B Sta. 1510+80
 in 1961 Superstr. concrete abut. subst. RC closed abut.
 Contractor shall remove exist superstr. & traffic shall
 be maintained using stage construction.
 No Salvage.



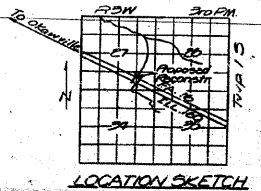
DESIGN STRESSES
 Field Units
 Fc = 4000 psi (Super)
 Fc = 10000 psi (Sub)
 Fc = 20000 psi (Reinf)
 vs. 75 psi (Fiberglass)
 Tensile
 Allow. Fibers 15.5 @ 200 ft
 Design Specifications 1989
 AASHTO (as applicable)
 Precast Prestressed Units
 Fc = 5000 psi
 Fc = 4000 psi
 Fc = 24000 psi (Strands)
 Fc = 173600 psi (Strands)
LOADING HS20-44

GENERAL NOTES
 All reinforcement bars shall be lapped 2d 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 of materials.
 An alternate strand pattern using Extra High Strength Prestressing Strand (EHPAS) is permitted.
 Expansion bolts shall consist of self-drilling expansion anchors and 3/4" hooked bolts. Hooked bolts shall extend a minimum of 12" into new concrete unless otherwise shown.
 Shoulder transition to wing wall shall be shaped with broken concrete. Coat Incidental.
 Limits of Coal Tar Interlayer Protective Coat shall be back to back of abutments.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
PCC Pavement (10")	Sq. Yds	5		5
Pavement Fabric	Sq. Yds	5		5
Concrete Removal	Cu. Yds		12	12
Expansion Bolts (3/4")	Each	32	47	79
Class X Concrete	Cu. Yds		29.3	29.3
Precast Concrete Bridge Slab	Sq. Ft.	135		135
PCC Deck Beams (17")	Sq. Ft.	670		670
Steel Railing Type W	Lin. Ft.	100		100
Reinforcement Bars	Lbs.		3680	3680
Rem of Exist Superstructures	Each			1
Coal Tar Interlayer Prot Coat	Sq. Yds	97		97
Bifuminous Conc Surf Co. Cl. I	Sq. Yds		13	13
Temp Guard Rail	Lin. Ft.	27		27

DESIGNED: W. Henry
 CHECKED: A. J. M.
 DRAWN: Fred Coffin
 EXAMINED: M. J. B.
 PASSED: M. J. B.
 DATE: March 24, 1971



GENERAL PLAN & ELEVATION
 EA. STA. 10 SECTION 5BR
 WASHINGTON COUNTY
 STATION 1510+80

Rev. 4-7-71 W. H. Stage Const. 1/4" & 1/2" from PCC Dept. Type & 1/2" from 1/2" to 1/2" 1/2" 1/2" 1/2"

En. 11-5-71

S.N. 095-0078

FOR INFORMATION ONLY

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION EXISTING STRUCTURE PLANS
NAME	DATE	
		FAS ROUTE 1832 SECTION 5BR-2 WASHINGTON COUNTY SCALE: VERT. _____ HORIZ. _____ DATE _____ DRAWN BY _____ CHECKED BY _____