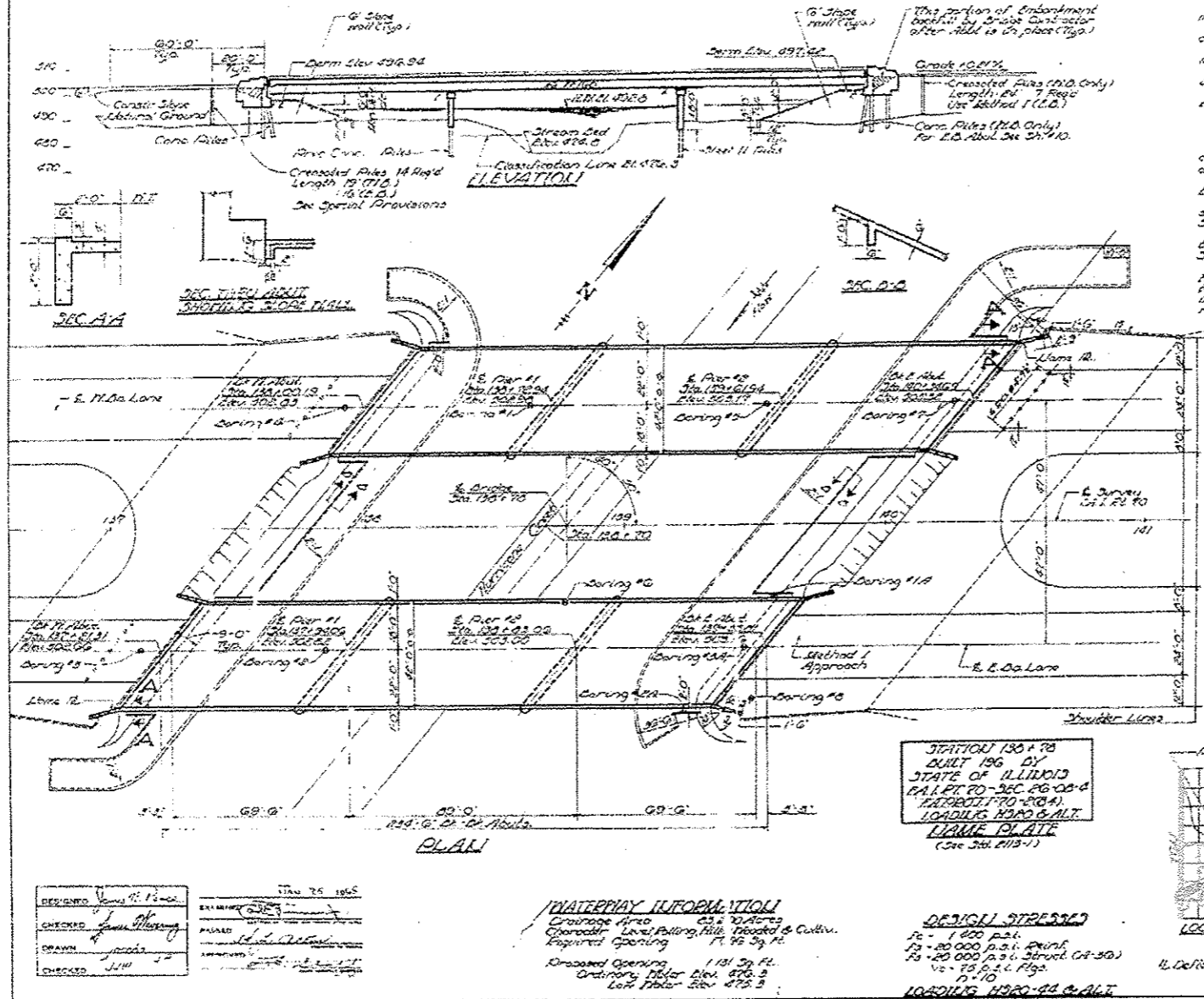


3.81' 7" on existing pavement Sta 135+00
 Elev 300.25
 to existing structure.

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

DATE	BY	REVISION
10/23/12	JWW	1.0

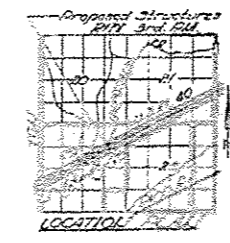


GENERAL NOTES
 Coarse aggregate to be used in parapet handrails and end posts must be free of flat, thin, laminated, flinty and soft sandstone.
 The concrete floor slab shall be finished in accordance with Article 3119 of the Standard Specifications.
 Slope fill shall be reinforced with welded wire fabric 6"x6" mesh weighing 53# per 100 sq. ft.
 Lengths of slope piles may be varied to suit ground conditions in the field as directed by the Engineer.
 All reinforcement bars shall be lapped 20 diameters unless otherwise shown.
 All Structural Steel shall conform to A.S.T.M. designation A36.
 Piles shall be open holes 30" unless otherwise noted.
 Anchor bolts shall be set before fastening diaphragms over supports. Exposed surfaces of the expansion joints shall be given two shop coats of red lead paint. The contact surfaces shall be given one shop coat of red lead paint. Anchor studs shall not be painted.
 Expansion joints are included in the quantity of 2" nominal steel. Del. Weight - 2,400 Lbs.
 Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of zinc chromate paint.
 The structure shall be painted in accordance with the Standard Specifications.
 Concrete piles of abutments shall be driven in bays prepared thru the embankment in accordance with Article 603.6 of the Standard Specifications.
 The Contractor shall drive 4 test piles one concrete pile of 12" dia. 12' deep, one concrete pile of 8" dia. 12' deep, one steel test pile of 12" dia. 12' deep and one C.C. test pile of 12" dia. 12' deep in permanent locations as directed by the Engineer before ordering the remainder of piles.

TOTAL BILL OF MATERIAL

Item	Unit	Quantity	Total
Class A Excav for Structures	Cu Yds	114.5	114.5
Class A Concrete	Cu Yds	330.1	330.1
Structural Steel	Lbs	67,600	67,600
Aluminum Horizontal Reinforcement Bars	Lbs	301	301
Reinforcement Bars	Lbs	189,000	189,301
Crossed Piles	Lbs	112.5	112.5
Precast Concrete Eaten (C.P.)	Lbs	141	141
Test Pile (Steel Core)	Lbs	141	141
Expansion Piles	Lbs	100	100
Test Pile (Steel)	Lbs	100	100
Test Pile Steel (C.P.)	Lbs	1	1
Expansion Piles	Lbs	1386	1386
Protective Coat	Sq Yds	2,407	2,407
Bridge Seal Sealant	Lump Sum	0.5	0.5

* Class A Excavation for Structures includes amount in Item 3119.00.
 ** Applied to abutments.



PROFILE PA1 RT 70
 PROFILE TO-2CBAL13
 GENERAL PLAN & ELEVATION
 HURRICANE CREEK
 F.A.I. RTE. 70 - SEC. 26-00-4
 FAYETTE COUNTY
 STA. 135+70

DESIGNED	JWW
CHECKED	JWW
DRAWN	JWW
CHECKED	JWW

WATERWAY INFORMATION
 Channel Area 63.70 Acres
 Channel Level Falling Hill, Flooded & Cultiv.
 Required Opening 71.76 Sq. Ft.
 Proposed Opening 1131 Sq. Ft.
 Ordinance Refer Min. 475.3
 Low Water Elev. 475.3

DESIGN STRESS
 Fc = 4000 P.S.I.
 Ft = 20,000 P.S.I. (P.U.T.)
 Fv = 20,000 P.S.I. (Struct. Ct. 30)
 Fv = 75 P.S.I. (Flg.)
 Fv = 70 P.S.I. (Flg.)
 LOADING H200-44 & ALT.

Revised 3/15/02 - Changed Class A Exc. from 100 to 114.5 Cu Yds. Class A Concrete from 330.1 to 330.1 Cu Yds. Structural Steel from 67,600 to 67,600 Lbs. Aluminum Horizontal Reinforcement Bars from 301 to 301 Lbs. Reinforcement Bars from 189,000 to 189,301 Lbs. Crossed Piles from 112.5 to 112.5 Lbs. Precast Concrete Eaten (C.P.) from 141 to 141 Lbs. Test Pile (Steel Core) from 141 to 141 Lbs. Expansion Piles from 100 to 100 Lbs. Test Pile (Steel) from 100 to 100 Lbs. Test Pile Steel (C.P.) from 1 to 1 Lbs. Expansion Piles from 1386 to 1386 Lbs. Protective Coat from 2,407 to 2,407 Sq Yds. Bridge Seal Sealant from 0.5 to 0.5 Lump Sum.