GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

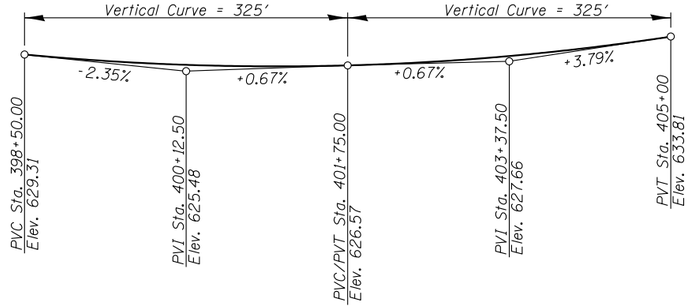
The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.

The Contractor is advised that the existing PPC deck beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the structure.

Slipforming of the parapets is not allowed.

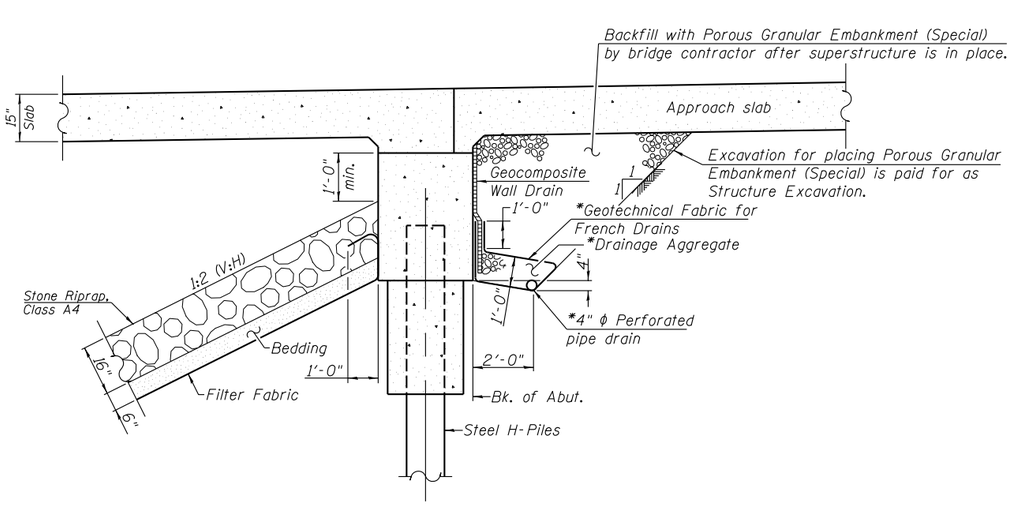
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		1566	1566
Filter Fabric	Sq. Yd.		1566	1566
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		46	46
Cofferdam Excavation	Cu. Yd.		10	10
Concrete Structures	Cu. Yd.		120.6	120.6
Concrete Superstructure	Cu. Yd.	252.8		252.8
Bridge Deck Grooving	Sq. Yd.	453		453
Concrete Encasement	Cu. Yd.		8.4	8.4
Protective Coat	Sq. Yd.	576		576
Reinforcement Bars, Epoxy Coated	Pound	59490	11600	71090
Bar Splicers	Each	278	136	414
Furnishing Steel Piles HP10x42	Foot		879	879
Driving Piles	Foot		879	879
Test Pile Steel HP10x42	Each		2	2
Name Plates	Each	1		1
Geocomposite Wall Drain	Sq. Yd.		40	40
Permanent Survey Markers, Type 1	Each		1	1
Asbestos Bearing Pad Removal	Each			24
Temporary Sheet Piling	Sq. Ft.		380	380
Pipe Underdrain for Structures 4"	Foot		124	124
Temporary Soil Retention System	Sq. Ft.		159	159
Porous Granular Embankment, Special	Cu. Yd.		61	61
Cofferdam (Type 1) (Location - 1)	Each		1	1
Cofferdam (Type 1) (Location - 2)	Each		1	1
Mechanicl Splicers	Each		66	66



PROFILE GRADE

(Along ℄ IL Rte. 41)



SECTION THRU ABUTMENT

* Included in the cost of Pipe Underdrains for Structures.

Note:

All drainage system components shall extend to 2'-0'' from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

WATERWAY INFORMATION

Drainage Area = 4.95 Sq. Mi. Low Grade Elev. 626.65 @ Sta. 401+88.00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	1390	212	447	621.1	0.5	0.2	621.6	621.3
Design	50	2320	252	518	622.2	1.2	0.6	623.4	622.8
Base	100	2760	269	543	622.7	1.7	0.8	624.4	623.5
Overtopping	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Max. Calc.	500	3840	269	597	623.5	3.6	1.2	627.1	624.7

10 Yr. Velocity = 6.4 ft/sec. (Existing)
10 Yr. Velocity = 4.0 ft/sec. (Proposed)

SCOUR INFORMATION

	North Abutment	Pier 1	Pier 2	South Abutment
Design Scour Elevation (ft.)	621.20	588.47	588.47	622.04

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL.
62703 Phone: (217)544-8033 IL. Design Firm
No. 184-001907

GENERAL DATA
STRUCTURE NO. 029-0072
SHEET NO. 2 OF 19 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	12BR-1	FULTON	62	25
		CONTRACT NO. 68732		
		ILLINOIS FED. AID PROJECT		