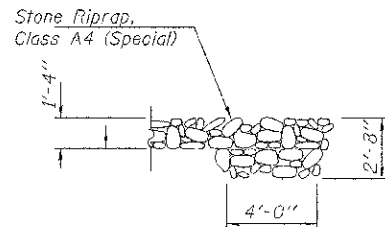
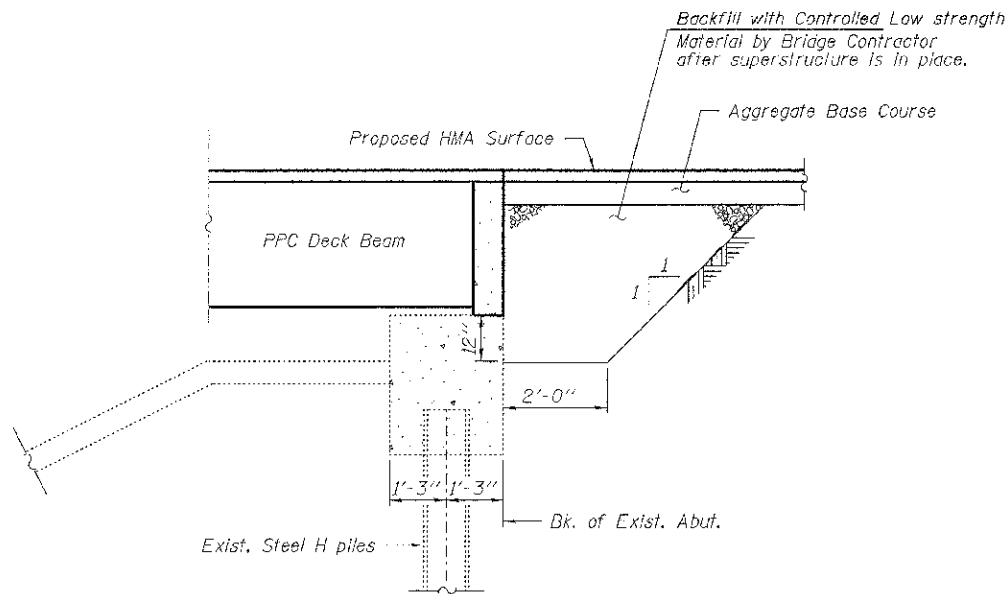


SECTION A-A

Note: See Special Provisions for Stone Riprap, Class A4.



SECTION B-B



SECTION THRU ABUTMENT

(Horiz. dim. @ Rt. L's)

CRAB ORCHARD CREEK
REBUILT 201 BY
JACKSON COUNTY
SEC. 06-00145-00-BR
STR. NO. 039-3097
LOADING HI -93

NAME PLATE

See Std. 515001

Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

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

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

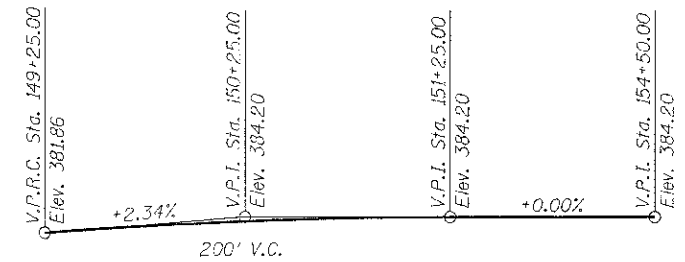
Reinforcement bars designated (E) shall be epoxy coated.

Existing dowel rods shall be burned off flush with the existing substructure. Grind existing dowel rods smooth and seal with epoxy. Cost included with Removal of Existing Superstructures.

Removal of the existing bridge parapet shall be included in the cost of Removal of Existing Superstructures.

Removal of any existing pavement and base material located above the existing abutments shall be included with the cost of Removal of Existing Superstructures.

All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act. The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions.



PROFILE GRADE

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4 (Special)	Ton			610
Hot-Mix Asphalt Surface Course, Mix C, N50	Ton	95		95
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		6.0	6.0
Structure Excavation	Cu. Yd.			54
Concrete Structures	Cu. Yd.		7.4	7.4
Concrete Superstructures	Cu. Yd.	2.6		2.6
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	7,685		7,685
Reinforcement Bars, Epoxy Coated	Pound	580	960	1,540
Steel Railing, Type SM	Foot	572		572
Name Plates	Each		1	1
Preformed Joint Strip Seal	Foot	56		56
P.C. Mortar Fairing Course	Foot	570		570
Concrete Sealer	Sq. Ft.		104	104
Waterproofing Membrane System	Sq. Yd.	849		849
Controlled Low Strength Material	Cu. Yd.			14
Asbestos Bearing Pad Removal	Each	36		36
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq. Ft.		60	60

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	S. Abut.	PIER 1	PIER 2	PIER 3	PIER 4	N. Abut.
	379.0	332.0	333.0	341.0	345.0	379.0

WATERWAY INFORMATION

Flood		Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Natural h.W.E.	Head - Ft.	Headwater El.
Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
		10	9600	3390	3390	376.4	
		20	10300	3810	3810	378.2	
		100	14400	4720	4720	382.0	

Existing Low Grade Elev. 380.9 @ Sta. 148+50
Proposed Low Grade Elev. 380.9 @ Sta. 148+50
Drainage Area = 270 Sq. Mi.

10 Year Velocity through Existing Bridge = 2.5 fps 10 Year Velocity through Proposed Bridge = 2.5 fps