

PLAN OF RIPRAP

Stone Riprap
Class A3,
grouted, typ.
See Special
Provision.

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GENERAL NOTES

No field welding is permitted except as specified in the contract documents. Reinforcement bars designated (E) shall be epoxy coated. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.

Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

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.

Slipforming of the parapets is not allowed. Fasteners shall be high strength bolts. Bolts 3/4 in. dia., open holes 13/16 in. dia., unless otherwise noted.

Existing structural steel shall only be cleaned and painted as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

If the analysis submitted by the Contractor for the jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.

All new structural steel shall be shop painted with an inorganic zinc rich primer per AASHTO M 300, Type 1.

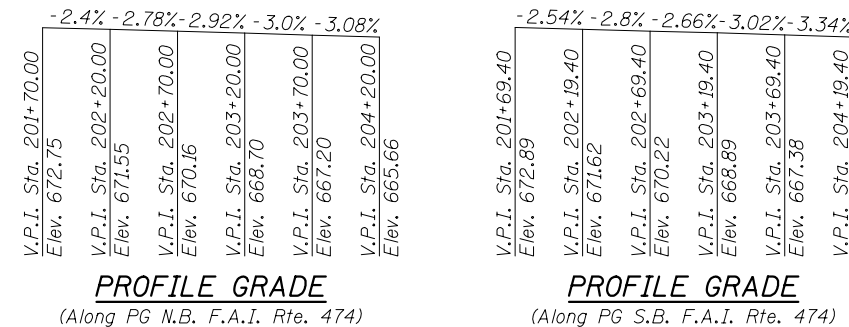
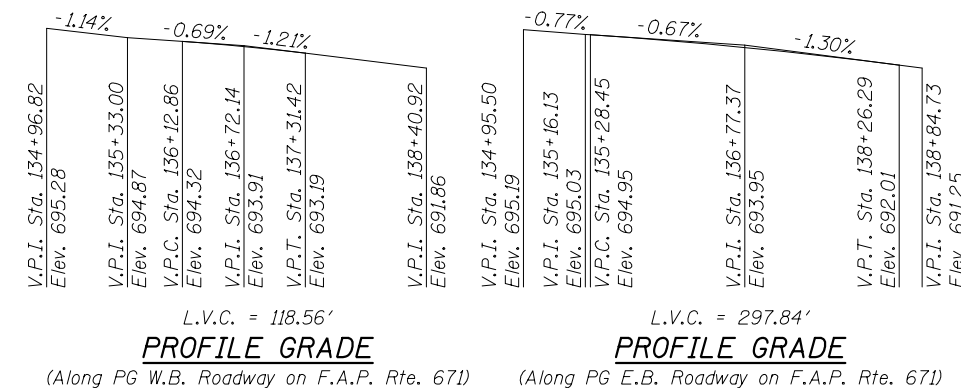
Field painting of structural steel shall be done under a separate painting contract.

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

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A3	Sq. Yd.		2	2
Removal of Existing Superstructures	Each	4		4
Concrete Removal	Cu. Yd.		55.9	55.9
Removal of Existing Concrete Deck	Each	2		2
Protective Shield	Sq. Yd.	1,485		1,485
Structure Excavation	Cu. Yd.		139	139
Concrete Structures	Cu. Yd.		122.4	122.4
Concrete Superstructure	Cu. Yd.	1,295.5		1,295.5
Bridge Deck Grooving	Sq. Yd.	3,479		3,479
Protective Coat	Sq. Yd.	4,248		4,248
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 36 in.	Foot	893.5		893.5
Furnishing and Erecting Structural Steel	Pound	6,980		6,980
Stud Shear Connectors	Each	7,728		7,728
Reinforcement Bars, Epoxy Coated	Pound	275,750	18,620	294,370
Mechanical Splicers			96	96
Preformed Joint Strip Seal	Foot	214.0		214.0
Elastomeric Bearing Assembly, Type I	Each	32		32
Anchor Bolts, 1/4"	Each	64		64
Jack and Remove Existing Bearings	Each	32		32
Approach Slab Removal	Sq. Yd.	234		234
Structural Repair of Concrete (Depth Equal to or Less than 5 inches.)	Sq. Ft.		91	91
Grout for Use with Riprap	Cu. Yd.		0.2	0.2
Name Plates	Each	2		2
Bar Splicers	Each	206		206



FILE NAME =	USER NAME = #USER*	DESIGNED K.A. KLUES	REVISED - 12/17/12 DHC/JKS
#FILE*		CHECKED E.M. LAGEMANN	Del. Staging (IDOT)
	PLOT SCALE =	DRAWN C.A. BUETTNER	REVISED -
	PLOT DATE = #DATE*	CHECKED E.M. LAGEMANN	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**GENERAL DATA
STRUCTURE NOS. 072-0119 (E.B.) & 072-0120 (W.B.)**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-1),I	PEORIA	88	18
CONTRACT NO. 68883				
ILLINOIS FED. AID PROJECT				