

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 840	139 BR-1	KANKAKEE	69	18
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract #66543

SHEET NO. 2
13 SHEETS

GENERAL NOTES

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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 the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

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

The Contractor is advised that the existing PPC Deck Beams are in 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 superstructure.

The cut strands at each beam end shall be given two coats of zinc dust spray or paint meeting the requirements of ASTM A780. The zinc dust spray or paint shall be applied before corrosion appears and allowed to dry according to the manufacturer's specifications prior to another coat of zinc. A concrete sealer meeting the requirements of Section 587 of the Standard Specifications shall be applied to the exterior face and 9" in on the underside of the fascia beams. The sealer shall be applied after visible crack growth has subsided. This work shall be performed by the producer and included with the cost of the beam.

If the Contractor's procedure for existing beam removal or placement of new beams involves placement of cranes or other heavy equipment on new beams, a detailed procedure shall be submitted to the Engineer for approval. The procedures shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying that the equipment and procedure used will not overstress the new beams. To distribute load to multiple beams and protect the concrete, in all cases a double layer mat of heavy timbers shall be used at all times under crane tracks or wheels, and any outriggers in the down position. If necessary, shims shall be used under the crane mat to ensure uniform contact with the underlying beams. Prior to placement of the timber mats, the following shall be done: placements and tightening of transverse tie assemblies, grouting and curing the dowel rods 24 hours minimum, and grouting and curing the shear keys.

A temporary means of lateral restraint will be required for fascia beams at expansion ends of beams to prevent movement of the beams.

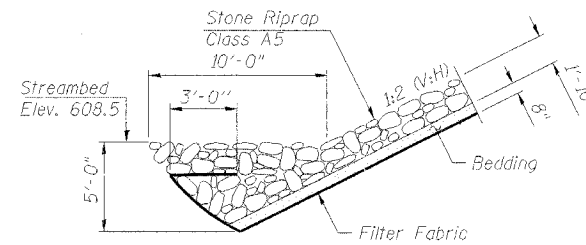
All structural steel shall conform to AASHTO classification M270 Gr. 36 unless otherwise noted.

All structural steel shall be shop painted with inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with "Furnishing and Erecting Structural Steel".

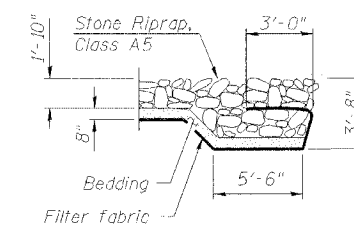
Repair of the pier caps shall be completed prior to placement of the new Deck Beams.

All construction joints shall be bonded.

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



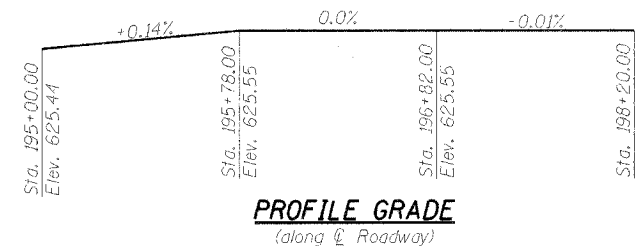
STONE RIPRAP ANCHOR DETAIL



SECTION A-A

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.	Total
Stone Riprap, Class A5	Sq. Yd.		1008	1008
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		6.0	6.0
Slope Wall Removal	Sq. Yd.		800	800
Concrete Structures	Cu. Yd.		8.0	8.0
Bridge Deck Grooving	Sq. Yd.	422		422
Protective Coat	Sq. Yd.	444		444
Concrete Wearing Surface, 5"	Sq. Yd.	444		444
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	3988		3988
Furnishing and Erecting Structural Steel	Pound	3686	153	3839
Reinforcement Bars, Epoxy Coated	Pound	5510	1460	6970
Steel Bridge Rail, Type SM	Foot	208		208
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	95		95
Asbestos Bearing Pad Removal	Each	48		48
Bar Splicers	Each	101	12	113
Filter Fabric	Sq. Yd.		1008	1008
Anchor Bolts, 1"	Each		6	6



PROFILE GRADE

(along C Roadway)

* Elevations shall be adjusted in the field as necessary to provide a minimum concrete wearing surface thickness of 5" as shown on sheet 5 of 13.

DESIGNED	S.D.S.
CHECKED	C.W.C.
DRAWN	L.M.G./D.L.H.
CHECKED	S.D.S.

WHKS & CO.
ENGINEERS PLANNERS LAND SURVEYORS
MASON CITY, IA EAST DUBUQUE, L ANES, IA SPRINGFIELD, L ROCHESTER, MN

GENERAL DATA
US ROUTE 45/52 OVER MINNIE CREEK
F.A.P. 840 SEC. 139 BR-1
KANKAKEE COUNTY
STATION 196+30.00
STRUCTURE NO. 046-0070