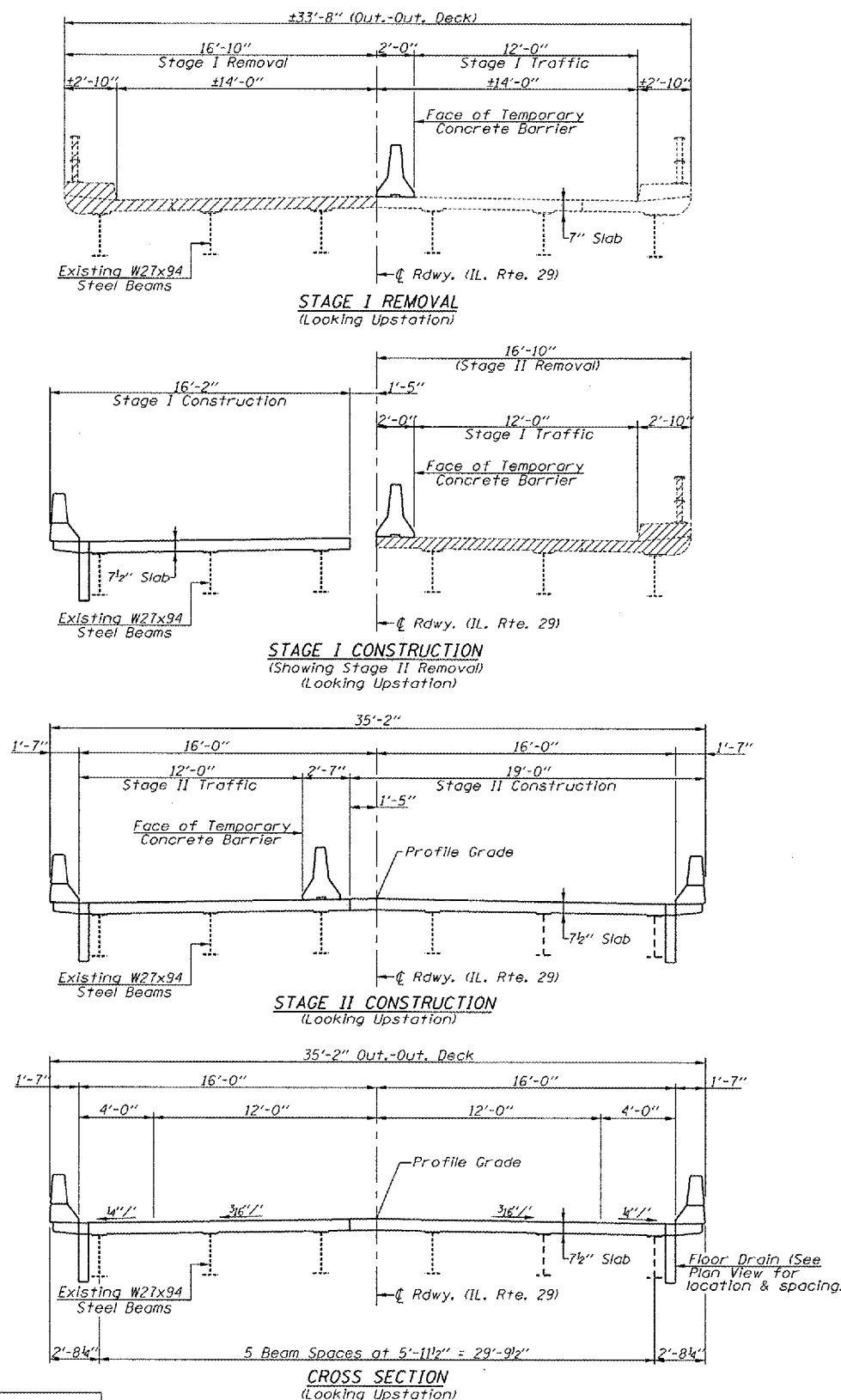


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 656	(11)	TAZEWELL	32	13
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 68024				

SHEET NO. 2
OF 18 SHEETS



DESIGNED	- MAH
CHECKED	- APH
DRAWN	- JRP
CHECKED	- MAH

Notes:
Removal of existing metal handrail included with "Removal of Existing Concrete Deck".
Hatched area indicates "Removal of Existing Concrete Deck".
For quantity of Temporary Concrete Barrier, see Roadway Plans.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Concrete Removal	Cu.Yd.		13.8	13.8
Removal of Existing Concrete Deck	Each	1		1
Structure Excavation	Cu.Yd.		44	44
Floor Drains	Each	14		14
Concrete Structures	Cu.Yd.		11.5	11.5
Concrete Superstructure	Cu.Yd.	147.8		147.8
Bridge Deck Grooving	Sq. Yd.	433		433
Protective Coat	Sq.Yd.	596		596
Furnishing and Erecting Structural Steel	Pound	2030		2030
Stud Shear Connectors	Each	1980		1980
Jack and Remove Existing Bearings	Each	12		12
Reinforcement Bars, Epoxy Coated	Pound	33260	2750	36010
Bar Splicers	Each	360	8	368
Name Plates	Each	1		1
Elastomeric Bearing Assembly, Type I	Each	6		6
Elastomeric Bearing Assembly, Type II	Each	6		6
Concrete Sealer	Sq. Ft.	220		220
Preformed Joint Strip Seal	Foot	80		80

* Includes cost of removing existing steel bridge railing.

GENERAL NOTES

- Field welding of construction accessories will not be permitted to beams or girders.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60 (IL Modified). See Special Provisions.
- Plan dimensions and details relative to the 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 prior to construction and ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.
- Two 1/8" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims. For Type I Elastomeric bearings, two 1/8" adjusting shims shall be provided for each bearing and placed as detailed.
- 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 an individual acceptable to 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.
- Bridge seat sealer shall be applied to the seat area of both abutments.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- All construction joints shall be bonded.
- The contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR permit number which was issued for the permanent construction.
- 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".
- 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.
- Fasteners shall be high strength bolts AASHTO M 164 Type 1 or 2. Bolts 3/4" diameter, open holes 1/8" diameter unless otherwise noted.

STAGING DETAILS, GENERAL NOTES
AND TOTAL BILL OF MATERIAL
IL. ROUTE 29 OVER CRANE CREEK
F.A.P. ROUTE 656 - SECTION (11)
TAZEWELL COUNTY
STA. 166+53.50
S.N. 090-0053