

GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 3/4 in. dia., holes 5/16 in. dia., unless otherwise noted.

Reinforcement bars designated (E) shall be epoxy coated.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments and bridge approach slabs.

All exposed concrete edges shall have a 3/4" x 45° chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.

Reinforcement bar bending details shall be in accordance with the latest "Manual of Standard Practice for Detailing Reinforced Concrete Structures", ACI 315.

Cover from the face of concrete to face of reinforcement bars shall be 3 inches for surfaces formed against earth and 2 inches for all other surfaces unless otherwise shown.

Reinforcement bar bending dimensions are out to out.

Bridge seat reinforcement shall be carefully placed to avoid interference with drilling holes for anchor rods. The beams shall be erected in final position prior to drilling holes for and placing anchor rods.

Contractor shall not scale dimensions from the Contract Plans for construction purposes. Scales shown are for information only.

No construction joints except those shown on the plans will be allowed unless approved by the Engineer.

The Contractor may request copies of existing construction plans that are currently on file with the Tollway. The request shall be in writing with the understanding that any reproduction cost will be at the Contractors expense.

No concrete cutting will be permitted until the cutting limits have been outlined by the Contractor and approved by the Engineer.

It shall be the Contractor's responsibility to verify the location of all utilities prior to starting construction. Contact J.U.L.I.E., 800-892-0123.

Concrete sealer shall be applied to all exposed surfaces of piers.

If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

It shall be the Contractor's responsibility to verify the location of all fiber optic utilities prior to starting construction. The Contractor shall initiate the location process for the fiber optic cable by completing a "Request Tollway Utilities Locate" form filled in online at the Tollway website under "Doing Business" at least four (4) business days prior to starting any underground operations, excavations or digging of any type in the general area of the fiber optic cable.

The Contractor shall use care when excavating around existing foundations. Any damage to the existing structure and/or supporting foundation shall be repaired or replaced at the Contractor's expense.

Temporary soil retention systems, sheeting, bracing or cofferdams shall be constructed at the locations shown on the plans and/or as required for the excavation to protect the adjacent areas from settling or falling into the excavated areas.

The manufacturer, the Contractor and the beam transportation company shall provide adequate bracing and support for the PPC beams during handling, transporting, storing and erecting to ensure the safety of the personnel associated with the construction of the project.

After the beams are set, all elevations for determining fillet heights shall be taken at one time.

Upon completion of each structure, the Contractor shall measure the resulting horizontal and vertical clearances and submit them to the Engineer for review and inclusion in the As Built plans (Record Drawings).

The soil boring logs represent point information. Presentation of this information in no way implies that subsurface conditions are the same at locations other than the exact location of the boring.

Whenever any material is deposited into a drainage system or drainage structures, that deposited material shall be removed at the close of each working day. At the conclusion of construction operations, all drainage systems and structures shall be free from dirt and debris deposited during the various construction operations. The work specified above will not be paid for separately, but shall be considered included in the cost of cleaning of existing scuppers and drain pipes.

The Protective Shield shall extend as shown on Sheet SA-01 and as a minimum 2 ft beyond the existing and proposed edge of deck. As a minimum, the following will be required:
 Stage 1 (Total = 1150 Sq. Yd.)
 1150 Sq. Yd. to construct the proposed structure 022-2029
 Stage 3 (Total = 2820 Sq. Yd.)
 1550 Sq. Yd. to remove the existing structure
 1270 Sq. Yd. to construct the proposed structure 022-2030

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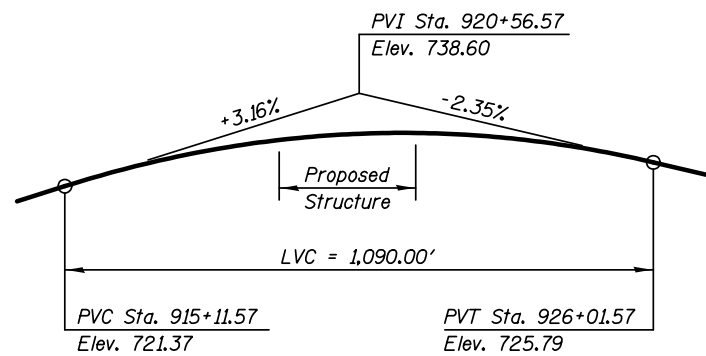
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TOTAL BILL OF MATERIAL - IDOT

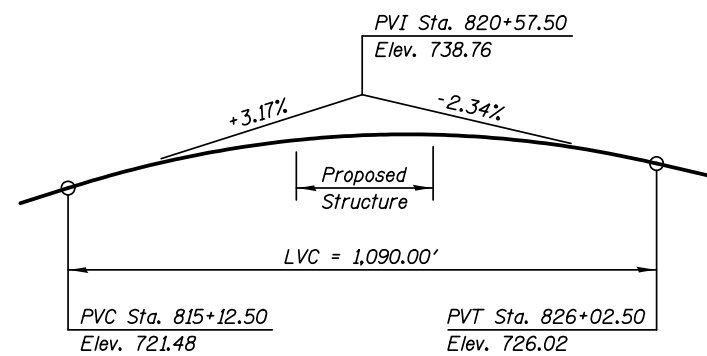
ITEM	UNIT	SUPER	SUB	TOTAL
Removal Of Existing Structures	Each	0.55	-	0.55
Protective Shield	Sq. Yd.	3970.0	-	3970.0
Concrete Structures	Cu. Yd.	76.0	-	76.0
Concrete Superstructure	Cu. Yd.	1709.0	-	1709.0
Bridge Deck Grooving	Sq. Yd.	3062.0	-	3062.0
Protective Coat	Sq. Yd.	4433.0	-	4433.0
Reinforcement Bars, Epoxy Coated	Pound	393200	-	393200
Bar Splicers	Each	236	-	236
Bridge Fence Railing	Foot	251.0	-	251.0
Bridge Fence Railing (Sidewalk)	Foot	251.0	-	251.0
Parapet Railing	Foot	312.0	-	312.0
Name Plates	Each	-	2	2
Drainage Scuppers, DS-11	Each	6	-	6
Drainage System, No. 1	Each	1	-	1
Drainage System, No. 2	Each	1	-	1

TOTAL BILL OF MATERIAL - TOLLWAY

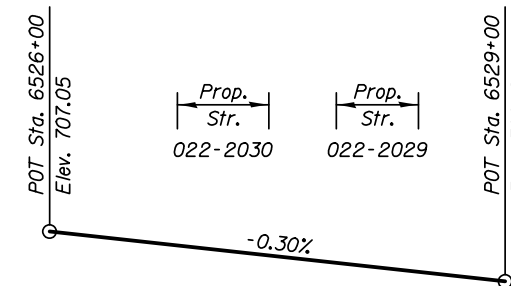
ITEM	UNIT	SUPER	SUB	TOTAL
Removal Of Existing Structures	Each	0.1	0.35	0.45
Structure Excavation	Cu. Yd.	-	1651.0	1651.0
Concrete Structures	Cu. Yd.	-	523.0	523.0
Concrete Encasement	Cu. Yd.	-	28.0	28.0
Furnishing And Erecting Precast Prestressed Concrete Bulb T-Beams 72"	Foot	4256.0	-	4256.0
Stud Shear Connectors	Each	-	468	468
Reinforcement Bars, Epoxy Coated	Pound	-	67160	67160
Slope Wall 4 Inch	Sq. Yd.	-	1747.0	1747.0
Furnishing Steel Piles HP14x73	Foot	-	5648.0	5648.0
Driving Piles	Foot	-	5514.0	5514.0
Test Pile Steel HP14x73	Each	-	6	6
Concrete Sealer	Sq. Ft.	-	4142.0	4142.0
Geocomposite Wall Drain	Sq. Yd.	-	315.0	315.0
Pipe Underdrains for Structures 4"	Foot	-	364.0	364.0
Temporary Soil Retention System	Sq. Ft.	-	1845.0	1845.0
Permanent Steel Sheet Piling	Sq. Ft.	-	4354.0	4354.0
Granular Backfill For Structures	Cu. Yd.	-	916.0	916.0



Ⓜ NORTHBOUND IL 99 - PROPOSED PROFILE GRADE LINE



Ⓜ SOUTHBOUND IL 99 - PROPOSED PROFILE GRADE LINE



I-88 E.B. & W.B. - EXISTING PROFILE GRADE LINE

KNIGHT
Engineers & Architects

DESIGNED - WPM	REVISIONS
CHECKED - TB	REVISIONS
SCALE - NONE	REVISIONS
DATE - 10/15/2012	REVISIONS
DRAWN - TB	REVISIONS
CHECKED - WPM	REVISIONS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES AND TOTAL BILL OF MATERIAL
 S.N. 022-2029 (SB) TOLLWAY B.N. 826
 S.N. 022-2030 (NB) TOLLWAY B.N. 825
 SHEET NO. SA-02 OF 63 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	586
CONTRACT NO. 60131				
ILLINOIS FED. AID PROJECT				