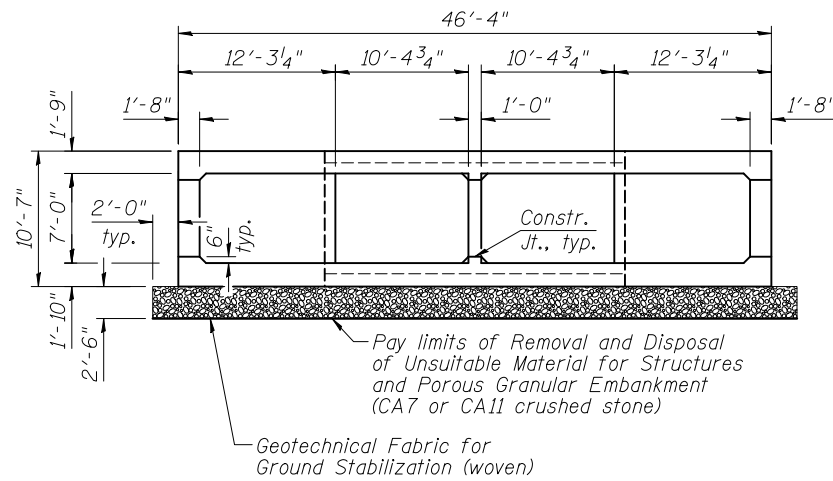
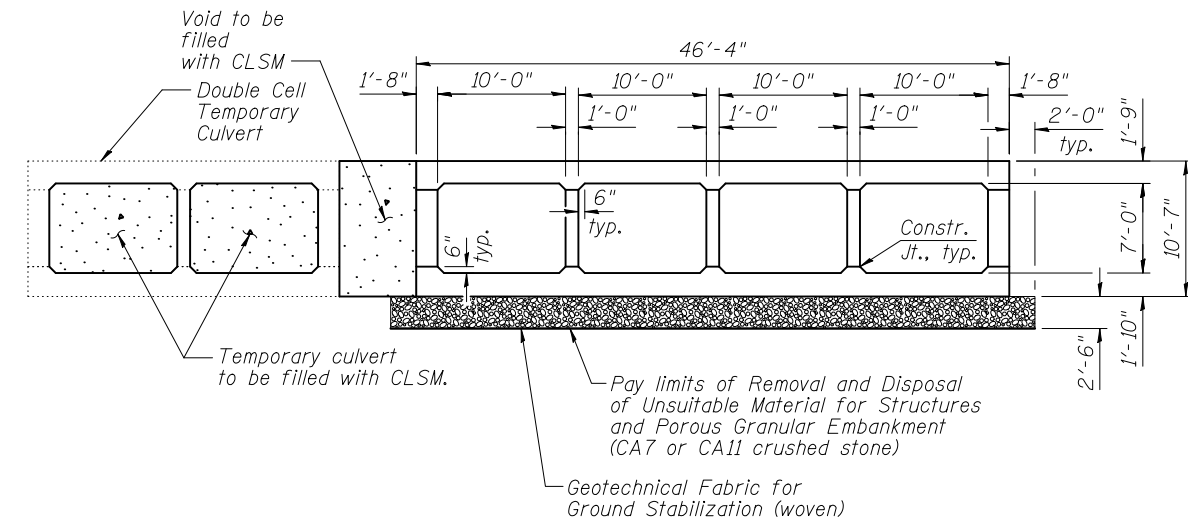


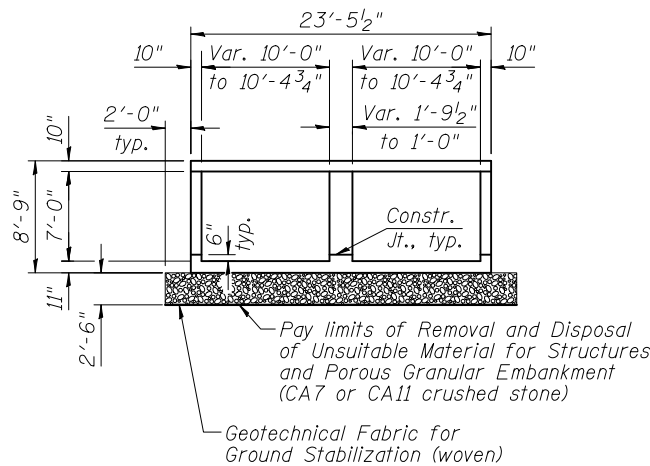
**SECTION THRU JUNCTION CHAMBER**  
(Looking Downstream)



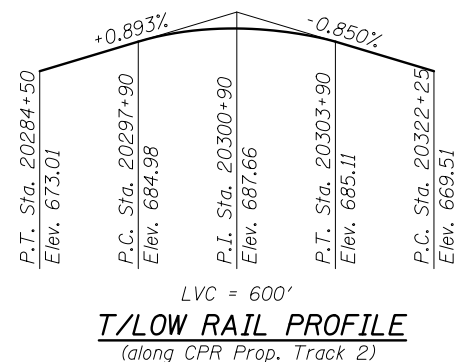
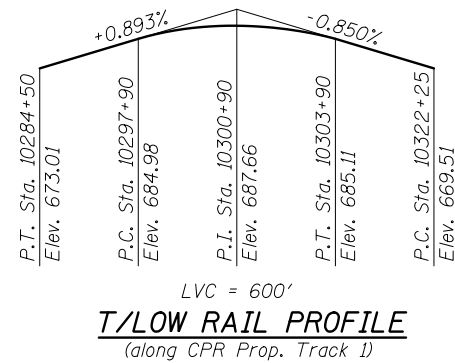
**SECTION THRU JUNCTION CHAMBER**  
(Looking Upstream)



**SECTION THRU BARREL**  
(Four Cell Culvert looking downstream)



**SECTION THRU BARREL**  
(Culvert Extension)

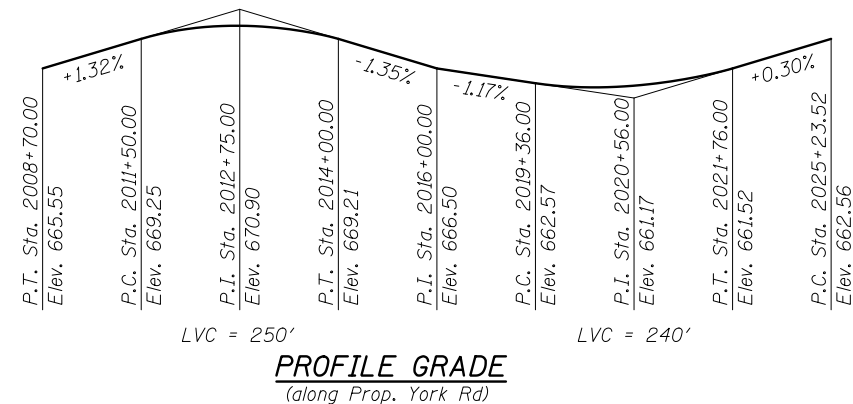


**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	669
Geotechnical Fabric for Ground Stabilization	Sq. Yd.	802
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	669
Reinforcement Bars, Epoxy Coated	Pound	273,680
Expansion Bolts 3/4 Inch	Each	38
Concrete Box Culverts CPR Special	Cu. Yd.	1,066.2
Concrete Box Culverts	Cu. Yd.	76.4
Removal of Existing Structures	Each	1
Controlled Low-Strength Material	Cu. Yd.	745.6
Name Plates	Each	1
Chain Link Fence, 4'	Foot	23
Temporary Soil Retention System	Sq. Ft.	1,530

BENSENVILLE DITCH  
C.P.R.  
BUILT BY  
STATE OF ILLINOIS  
YORK RD SEC. 32VB  
STA. 2018+63.72  
LOADING E100/HS-20  
STR. NO. 022-3125

**NAME PLATE**  
See Std. 515001



**WATERWAY INFORMATION (York Rd)**

Drainage Area = 1.56 Sq Mi		Low Grade Elev. 661.45		Sta. 2021+30		
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist. Prop.	Nat. H.W.E.	Head - Ft. Exist. Prop.	Headwater El. Exist. Prop.
Design	50	594	91.8 91.8	658.75	2.60 0.17	661.35 658.92
Base	100	684	102.2 102.2	659.27	2.94 0.34	662.21 659.61
Overtopping	-	-	-	-	-	-
Max. Calc.	500	1,163	140.0 140.0	666.12	1.72 0.49	667.84 666.61

**WATERWAY INFORMATION (CPR)**

Drainage Area = 1.56 Sq Mi		Low Grade Elev. 685.76		Sta. 20303+00		
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist. Prop.	Nat. H.W.E.	Head - Ft. Exist. Prop.	Headwater El. Exist. Prop.
Design	50	594	51.7 190.4	658.48	2.97 0.07	661.45 658.55
Base	100	684	59.0 214.8	659.09	3.03 0.06	662.12 659.15
Overtopping	-	-	-	-	-	-
Max. Calc.	500	1,163	96.0 280.0	666.12	1.76 0.55	667.88 666.67

**GENERAL NOTES**

- Reinforcement Bars shall conform to the requirements of ASTM A615, Grade 60.
- Reinforcement bars designated (E) shall be epoxy coated (minimum thickness 7 mils).
- The depth of Removal and Disposal of Unsuitable Material for Structures is 2'-6". Additional depth shall be removed and replaced if additional unsuitable soils are encountered in the field and/or as directed by the Engineer.
- Layout of slope protection system (stone riprap) may be varied in the field to suit ground conditions as directed by the Engineer.
- All construction joints shall be bonded. Construction joints shall be placed at a maximum spacing of 50'-0".
- Net allowable soil bearing pressure is 4,000 psf.
- Excavation and backfill is paid for as Concrete Box Culverts and Concrete Box Culverts CPR Special. See Art. 502.01 & 502.13 of the Standard Specifications.
- CLSM = Controlled Low-Strength Material
- Removal of Existing Structures shall include removal of the existing fence around the open channel in the area between the existing York Rd. Culvert and the existing CPR Culvert. It shall also include removal of the concrete in the ditch adjacent to the open channel between the existing York Rd. Culvert and the existing CPR Culvert.
- 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 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
- 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.

cc:\pwworking\oma\0464045\0223125-60842-002-GND.DGN  
jmlgus

11/2/2012  
11:28:30 AM



USER NAME = jmlgus	DESIGNED - DLO	REVISED -
FILE NAME = 0223125-60842-002-GND.DGN	CHECKED - LJC	REVISED -
PLOT SCALE = NONE	DRAWN - RMA	REVISED -
PLOT DATE = 11/2/2012	CHECKED - LGP	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL DATA  
STRUCTURE NO. 022-3125

SHEET NO. 2 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345A	32VB	DU PAGE	388	191
CONTRACT NO. 60W01				
ILLINOIS FED. AID PROJECT				