

Reidaes 17th Edition.

GENERAL NOTES

- 1. All work and materials shall be in accordance with the Illinois Department of Transportation (IDOT) Standard Specifications for Road and Bridge Construction adopted January 1, 2012 and latest supplemental
- specifications and recurring special provisions, unless noted otherwise. The Contractor shall verify all dimensions in the field prior to commencing work. The engineer shall be notified of any discrepancies which may exist, prior to proceeding with the work.
- Any information concerning type or location of underground and other utilities is not guaranteed to be accurate or all inclusive. The Contractor is responsible for making his own determinations as to the type and location of the utilities as may be necessary to avoid damage thereto. Contractor is responsible for design, installation and removal of all executing propert extractor for design.
- excavation support systems. The excavation and work area shall be properly drained at all times during construction. All wet, loose, frozen or other unsultable material shall be removed prior to placement of concrete or compacted backfill. Any and all dewatering required to keep excavation dry shall be the responsibility of the contractor. Dewatering shall be conducted in accordance with the Erosion and Sediment Control Standards of the IEPA and Lake_County.
- 6. Foundation design is based on information provided in Testing Service Corporation Report L=62,012 dated June 27, 2007.
 7. If shall be the responsibility of the contractor to divert the stream flow during construction in order to keep the construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and cost shall be included with "Precast Concrete Box Culvert". Any and all by-pass pumping as may be required for the construction of the proposed improvements shall be the responsibility of the contractor.
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
 For backfilling and embankment, see Standard Specifications.

CAST-IN-PLACE CONCRETE NOTES

- 1. All cast~in~place concrete work shall be in accordance with section 503 of the Illinois Department of Transportation (IDOT) Standard Specifications for Road and Bridge Construction adopted January I, 2012, supplemental specifications and recurring special provisions and as noted below. 2. Reinforcement bars shall conform to the requirements of ASTM A 706
- GR60 (IL Modified). See Special Provision. Exposed edges of cast-in-place concrete shall be beveled 3/4 ".
- All construction icints shall be bonded.
- 5. All cast-in-place concrete shall be Class SI.

PRECAST CONCRETE BOX CULVERT

- All precast concrete box culvert work shall be in accordance with sections 504 and 540 of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction adopted January 1, 2012, supplemental specifications and recurring special provisions and as noted below.
- 2. The precast concrete box culvert is a performance based system. The contractor shall be responsible for providing the design, engineering, fabrication and installation of the precast concrete box culvert. The contractor shall submit to the engineer calculations and shap drawings sealed by a Structural Engineer licensed in the state of Illinais for review prior to fabricating the precast concrete box culvert. Precasi concrete box culverts are non-standard sections but shall conform to the regulrements of ASTM C1577 for fill heights less than 2 ft.
- The shop drawings shall include the ferrule loop locations and details. 3. Ferrule loop inserts shall be installed of the locations shown on the drawings by the precast concrete box culvert manufacturer. Install the ferrule loop inserts per the ferrule loop manufacturer's requirements. The ferrule loop insert shall be F-64, 1/2 x 4 1/8 ", ferrule loop insert by Dayton/Richmond concrete accessories, phone number - (800) 745-3700, website - www.daytonrichmond.com or approved equal.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway

LOADING HS20-44

- Allow 50 #/sq. ft. for future wearing surface Soll loads shall be in accordance with the shown physical structure
- For The Design Loading Shown On The Plans. The Design

1/15/2013

ILLINOIS REGISTRATION No. 081-005058 STRUCTURAL ENGINEER

DESIGN STRESSES

PRECAST UNITS

- f'_ = 5.000 psi
- = 60,000 psi (Reinforcement Bars) f_{V}
- = 65.000 psi (Welded Wire Fabric)



REEN BAY ROAD		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.	
	TIONO	1209	03-00033-12-CH	LAKE	189 /31	
ND ELEVATIONS				CONTRAC	T NO. 63766	
STA.	TO STA.	FED. ROAD	FED. ROAD DIST. NO. 1 ILLINOIS FED. AND PROJECT			