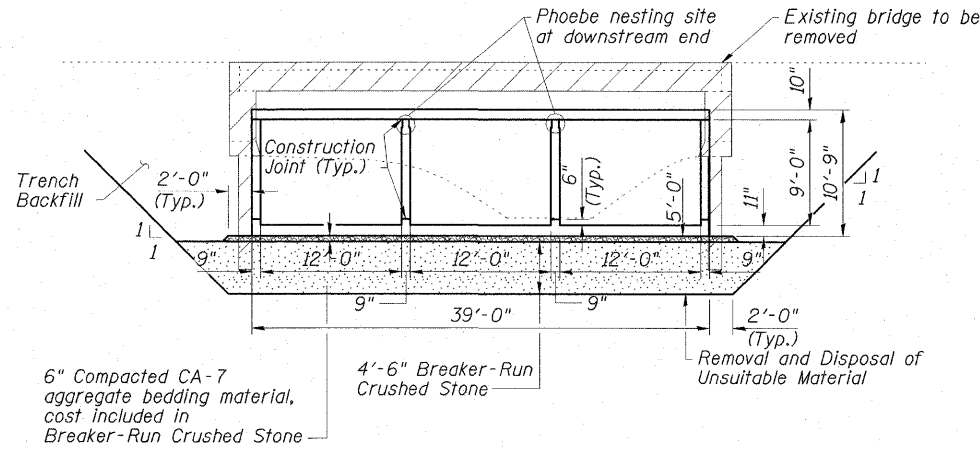


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Breaker-Run Crushed Stone	Ton	950
Removal and Disposal of Unsuitable Material	Cu. Yd.	520
Stone Riprap, Class A4	Sq. Yd.	530
Filter Fabric	Sq. Yd.	530
Removal of Existing Structures No. 1	Each	1
Concrete Box Culverts	Cu. Yds.	254.9
Reinforcement Bars	Pounds	49,990
Name Plates	Each	1

See Roadway Plans for quantities of Earth Excavation and Steel Plate Beam Guardrail, Type A.



SECTION THRU BARREL
Dimensions shown at right angles to culvert

STATION 636+45.13
BUILT 200_ BY
STATE OF ILLINOIS
FAP RT. 638 SEC. (137-1BR)
LOADING HS20-44
STR. NO. 037-0173

NAME PLATE
See Std. 515001

GENERAL NOTES

- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- The Contractor is advised that the existing PPC Deck Beams are in a 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 of the superstructure.
- If the Contractor's procedure for existing deck beam removal involves placement of cranes or other heavy equipment on the existing deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Costs included in Removal of Existing Structures.
- The limits and quantities of Removal and Disposal of Unsuitable Material shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field. Replace with Breaker-Run Crushed Stone. The Breaker-Run Crushed Stone shall be capped with 6 in. of CA-7 and satisfy the Standard Specifications unless otherwise indicated in the Special Provisions. The cost of the capping material shall be included in the pay item for Breaker-Run Crushed Stone.
- At least 8'-9" of the barrel shall be poured monolithically with wingwalls.
- Precast alternate is not allowed.
- Culvert flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.
- Placement and compaction of the backfill for proposed across road culverts and existing across road culverts that are removed shall conform to section 502.10 of the Standard Specifications, except that the material shall conform to article 208.02 of the standard specifications, and shall be compacted to a minimum of 95% of the standard laboratory density. Any material conforming to the requirements of Article 1003.04 or 1004.05 which has been excavated from the trenches shall be used for backfilling the trenches. The excavation shall be backfilled with trench backfill material to the bottom of the proposed subgrade and as shown in the Roadway Plans. This trench backfill material will not be measured for payment, but shall be included in the contract unit price for Concrete Box Culverts.
- The boring logs for this structure indicate that the groundwater levels may encroach on the construction limits of this culvert. It shall be the responsibility of the Contractor to control the ground water and divert the stream flow during construction in order to keep the construction free of water. The method of controlling the water shall be subject to approval of the Engineer and the cost shall be included in the contract unit price for Concrete Box Culverts.

GENERAL DATA
STRUCTURE NO. 037-0173

ESCA
CONSULTANTS, INC.
DESIGNED BY: JMS 11/08
DRAWN BY: DWH/cj 11/08
CHECKED BY: RDP 02/09
APPROVED BY: RDP 02/09

SHEET NO. 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	638	137-1BR	HENRY	67	15
5 SHEETS	CONTRACT NO. 64428				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			