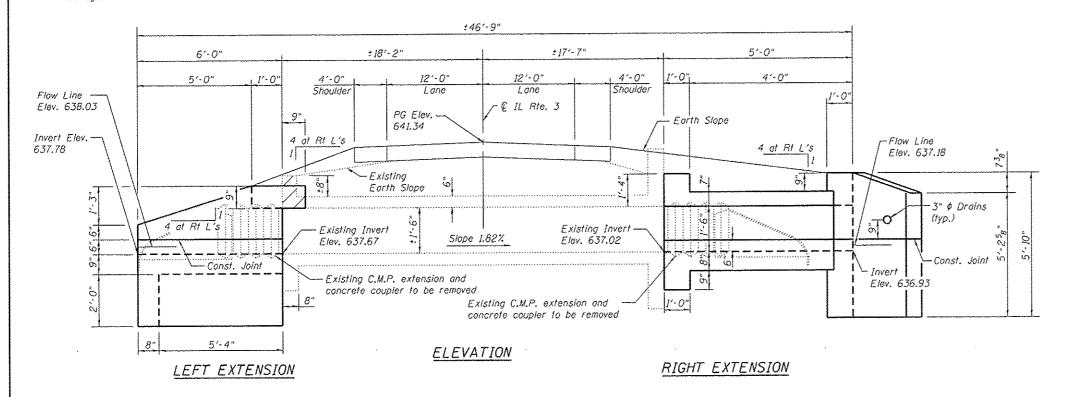
Existing Structure: The existing structure is a ±35'-9" long reinforced cast-in-place concrete box culvert with a 2'-0" x 1'-6" opening. The original structure was constructed as S.B.I. Route 109 Construction Section 101-A at the original station of 388+00.

Indicates Limits of Concrete Removal

Salvage: None



GENERAL NOTES

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 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 the scope of work, however, the Contractor will be paid for the quantity furnished at the unit price for the work.

The verification of allowable soil bearing pressure underlying the proposed box culvert shall be verified by a dynamic cone penetration (DCP) test or other acceptable measures as provided by the District Geotechnical and Field Engineers. The results of the test must exceed the calculated bearing pressures shown on the plans prior to placement of the Concrete Box Culvert. Tests failing to exceed the calculated bearing pressures as shown on the plans will require subsurface modification that must be coordinated with the District Geotechnical and Field Engineers

Expansion bolts shall be according to Standard Specification Article 1006.09.

Precast alternative not allowed at this site.

A distance half the length of the wingwall but not less than 6'-0" of the barrel shall be poured monolithically with the wingwalls.

For Riprap details and quantities see Roadway Plans.

Calculated max, soil pressure under barrel = 3,473 psf.

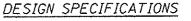
Partial Removal of the exsiting structure during construction shall be completed according to Section 501.05 of the Standard Specifications.

Existing C.M.P. extension and concrete coupler to be removed shall be paid for as Removal of Existing Structures, see Roadway Plans,

For Total Bill of Material see sheet 3 of 3.

The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 112" unless noted otherwise.

The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completed filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional 1/2 turn on the interior nut at final installation, Cost included with Traversable Pipe Grate.



2002 AASHTO Standard Specifications for Highway Bridges

LOADING HS 20-44

Allow 50#/sq, ft, for future wearing surface on extension.

DESIGN STRESSES

EXISTING CONSTRUCTION fy = 60,000 psl fy = 40,000 psi

f'c = 3.000 psi f'c = 3,500 psi

BOX CULVERT SOUTH END ELEVATION (Dimensions Shown at Rt L's)

SHEET NO. 1 OF 3 SHEETS

3'-4"

2'-0"

Const. Jt.

concrete coupler to be removed 4'-0" 12'-0" 4'-0" Back Face Shoulde Lane Lane Shoulder Detail B € IL Rie. 3 ±6" Sta. ±387+50.59ő Flow Riprop € Culvert -Detail A ***9** 5'-0" Skew ±00°46'25" Existing C.M.P. extension and concrete coupler to be removed Existing Underground Telephone Line

LEFT EXTENSION

PLAN SHOWING OUTLINES

RIGHT EXTENSION

Existing C.M.P. extension and

For Details A and B see sheet 3 of 3.

Existing Fence-

GENERAL PLAN & ELEVATION ILLINOIS ROUTE 3 F.A.S. RTE. 752 - SEC. 101-2RS-1 JERSEY COUNTY STATION 387+50.59

EXP. 11-30-2014 Cu	I Freety 8/8/1	4		
LOCHMUELLER GROUP INN SA MARKET R METIODEN HOTO, CLUING 4504 HOTO, CLUING 4504 HOTO, CLUING 4504	USER NAME = jdinkelmonn	DESIGNED ~	JO	REVISED -
	Illinois Design Firm Number 184.001670	CHECKED -	88	REVISED -
	PLOT SCALE :	DRAWN -	EM	REVISED -
	PLOT DATE . 8/8/2014	CHECKED -	CJF	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE'		
752	J01-2RS-1	JERSEY	438	263		
		CONTRACT	NO. 7	6789		
ILLINOIS FED. AID PROJECT						