

TOTAL SHEET SHEET NO. ROUTE NO. 19 F.A.S. Vermilion Z-BR 331 FED. ROAD DIST, NO. 7 ILLINOIS FED. AID PROJE

- SHEETS

Contract #70016

GENERAL NOTES

- 1. It 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 "Concrete Box Culvert".
- 2. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- 3. At least seven feet of the culvert shall be poured monolithically with the reinforced concrete wingwalls.
- 4. Exposed edges shall have a ${}^3\!4$ " chamfer unless otherwise noted.
- 5. For backfilling and embankment, see Standard Specifications.
- 6. All construction joints shall be bonded.
- 7. Reinforcing bars shall conform to the requirements of ASTM A 706 Gr. 60. See Special Provision.
- 8. Precast Culvert alternate is not allowed.

081-006321

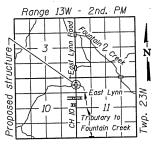
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Structural Engineer Clark Dietz, Inc

- 9. Excavation behind existing abutment walls shall be done before removing the existing superstructure.
- 10. Remove existing structure entirely. Cost included with "Removal of Existing Structure."

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structure	Each	1
Concrete Box Culverts	Cu. Yd.	322.9
Reinforcement Bars	Pound	86,640
Name Plates	Each	1
Gabions	Cu. Yd.	100
Porous Granular Embankment	Cu. Yd.	1837
Filter Fabric	Sq. Yd.	120
Steel Plate Beam Guardrail, Attached to Structures	Ft.	100
Structure Excavation	Cu. Yd.	50



LOCATION SKETCH

GENERAL PLAN

CH 10 / EAST LYNN ROAD OVER TRIBUTARY TO FOUNTAIN CREEK F.A.S. ROUTE 331 - SECTION Z-BR VERMILION COUNTY STATION 47+96.00 STRUCTURE NO. 092-2039



CHAMPAIGN, ILLINOIS CHICAGO, ILLINOIS EVANSVILLE, INDIANA INDIANAPOLIS, INDIANA KENOSHA, WISCONSIN SPRING GREEN, WISCONSIN

| June 24, 2010 | Licefise Expires 11-30-2010 NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING. REVISIONS NAME DATE DRAWING NUMBER DESIGNED BYE S.M.M. PROJECT NO: 102313 DRAWN BY: MEW DATE: 8/05 S-1 CHECKED BY: M.M. APPROVED BY: S.M.M.

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS = 3,500 psi

 $f_y = 60,000$ psi (reinforcement)

12-9-04

PROFILE GRADE

(along € roadway)

Design

Base

Overtopping

50

100

1076

1222 194

271 686.8 0.6 0.2 687.4 687.0

500 1563 208 285 687.4 1.0 0.5 688.4 687.9