

Bench Mark: Cut "X" on northwesterly flange bolt of a fire hydrant at the southwest quadrant of IL Rte. 140 and Landolt Street; 44' Rt., Sta. 1144+67, Elev. 536.01

Existing structure: Structure No. 060-0103 is a single span slab bridge on closed abutments. The structure length is 32' long back to back of abutments and has a width of 46'-5" out to out. Bridge width includes a 4' sidewalk. There is an HMA wearing surface of 6.75" over the concrete deck. Traffic will be detoured during the construction.

Salvage: None

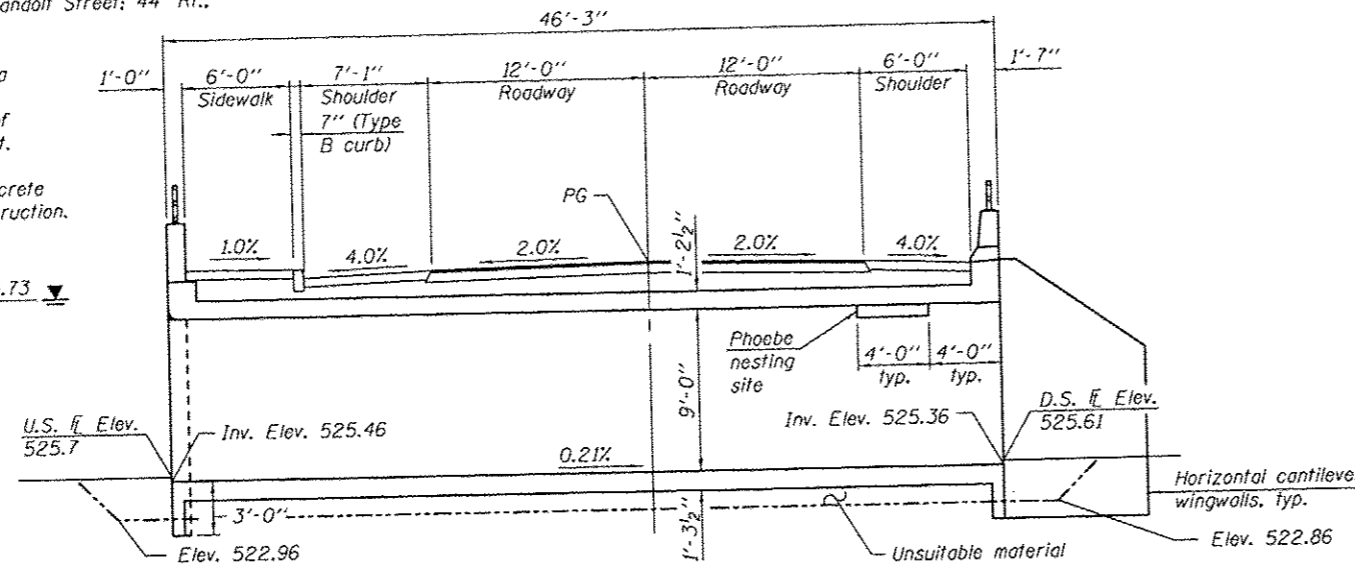
D.H.W. Elev. 535.73

CURVE DATA

$\Delta = 3^\circ 32' 00''$ Lt.
 $D = 0^\circ 29' 42''$
 $T = 357.02'$
 $L = 713.82'$
 $E = 5.50'$
 $R = 11,575.51'$
P.C. = Sta. 1140+09.82
P.T. = Sta. 1147+23.64
P.I. = Sta. 1143+66.84

INDEX OF SHEETS

- 1 - General Plan & Elevation
- 2 - General Data
- 3 - Culvert Details - Top Slab Plan
- 4 - Culvert Details - Bottom Slab Plan
- 5 - Culvert Details - Longitudinal Section & Details
- 6 - Culvert Details - Sections thru Barrels
- 7 - Culvert Details - North End View & Details
- 8 - Culvert Details - South End View
- 9 - Culvert Details - Northeast Wingwall
- 10 - Culvert Details - Wingwall Details
- 11 - Culvert Details - Parapet Railing
- 12 - Soil Boring Logs



LONGITUDINAL SECTION

STATION 1143+49.38
 BUILT 201 BY
 STATE OF ILLINOIS
 F.A.P. RT. 785 SEC. 136-BR
 LOADING HL-93
 STRUCTURE NO. 060-2051

NAME PLATE
 See Std. 515001

LOADING HL-93

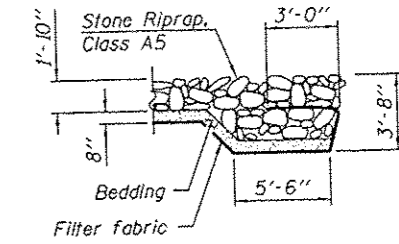
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

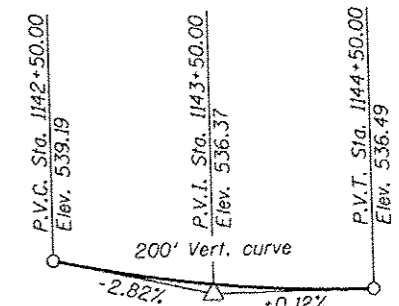
2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

DESIGN STRESSES

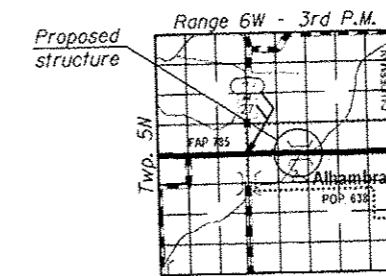
FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)



SECTION A-A



PROFILE GRADE
 (Along ϕ roadway)



LOCATION SKETCH

GENERAL PLAN & ELEVATION
IL ROUTE 140 OVER
UNNAMED STREAM
F.A.P. RTE. 785 - SEC. 136-BR
MADISON COUNTY
STATION 1143+49.38
STRUCTURE NO. 060-2051



EXPIRES 11-30-2014

DESIGNED - <i>Michael B. Mossman</i>	EXAMINED - <i>David Carl Puzey</i>	DATE - FEBRUARY 1, 2013
CHECKED - <i>Michael B. Mossman</i>	PASSED - <i>David Carl Puzey</i>	REVISOR
DRAWN - MICHAEL B. MOSSMAN	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISOR
CHECKED		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	136-BR	MADISON	58	34
			CONTRACT NO. 76D49	
ILLINOIS FED. AID PROJECT				