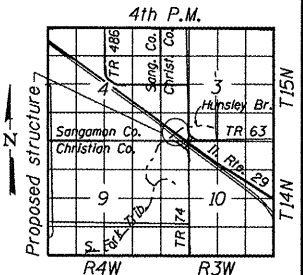
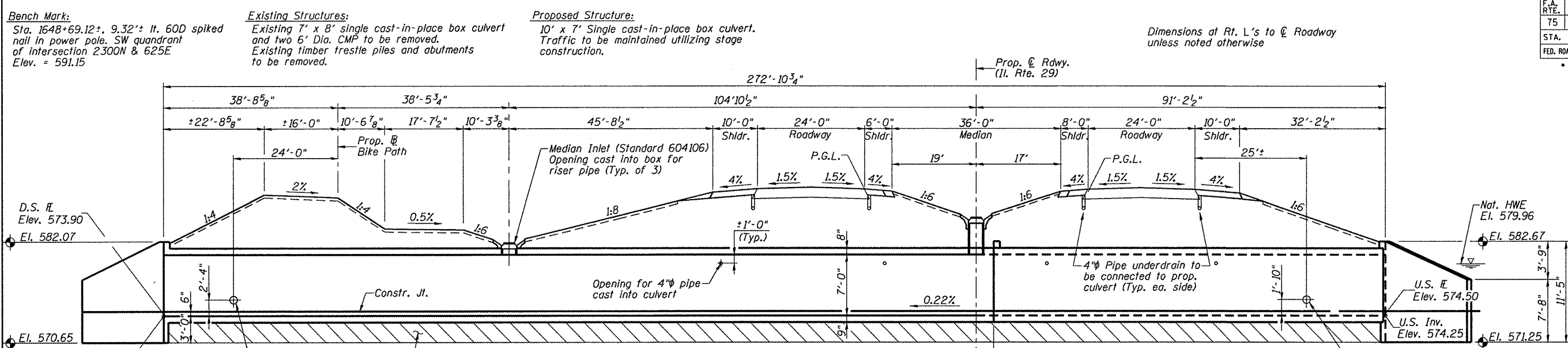


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	84-12; 11-3		729	465
STA.	N/A	TO STA.	N/A	
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				
SANGAMON AND CHRISTIAN				

Sheet 1 of 5 Sheets

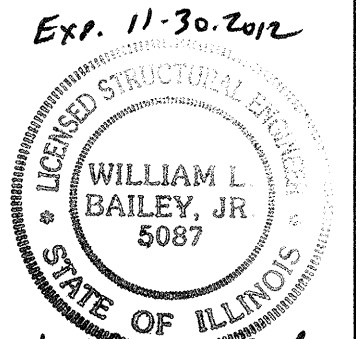
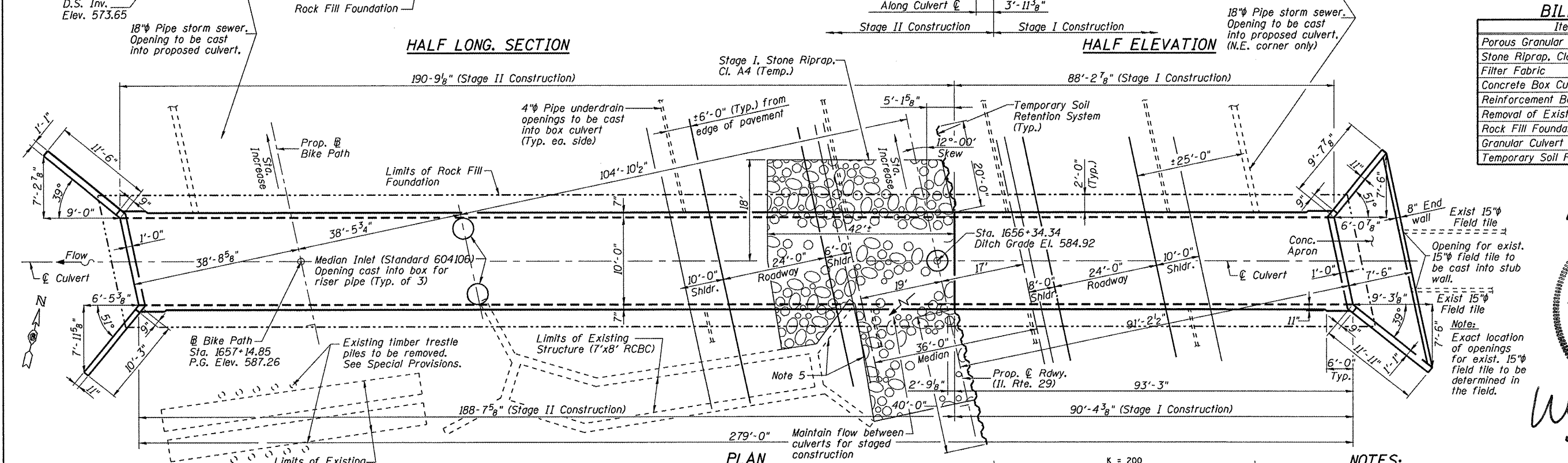


LOCATION SKETCH



BILL OF MATERIAL

Item	Unit	Quantity
Porous Granular Embankment	Cu. Yd.	336
Stone Riprap, Class A4 (Temp.)	Sq. Yd.	225
Filter Fabric	Sq. Yd.	1,365
Concrete Box Culverts	Cu. Yd.	273.8
Reinforcement Bars	Pound	67,970
Removal of Existing Structures	L. Sum	1
Rock Fill Foundation	Ton	601
Granular Culvert Backfill	Cu. Yd.	378
Temporary Soil Retention System	Sq. Ft.	364



Exp. 11-30-2012
 03-23-2012

DESIGN SPECIFICATIONS

2010 AASHTO LRFD Bridge Design Specifications with 2010 Interim Revisions
LOADING HL-93
 Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

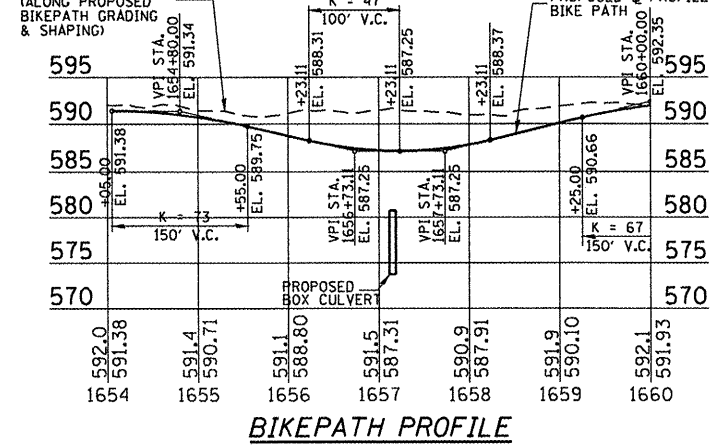
FIELD UNITS
 f'c = 3,500 psi
 fy = 60,000 psi

WATERWAY INFORMATION

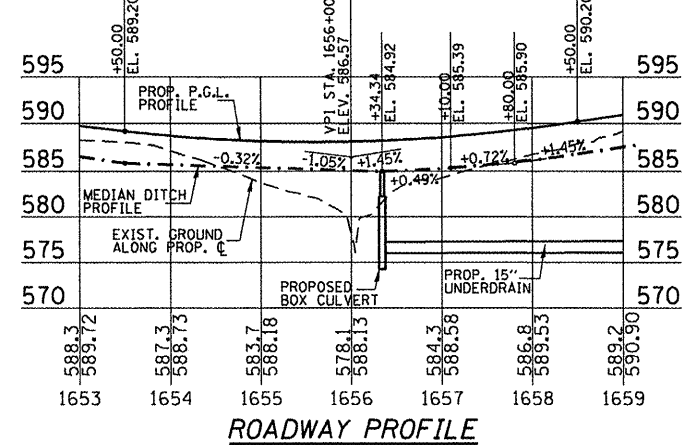
Drainage Area = 1.10 mi. Ex. Low Grade Elev. = 586.72 ft. @ Sta. 1656+15
 Pr. Low Grade Elev. = 588.28 ft. @ Sta. 1655+50

Flood	Freq. Yr.	0 C.F.S.	Opening Sq. Ft. Exist.	Prop.	Nat. H.W.E.	Head - Ft. Exist.	Prop.	Headwater El. Exist.	Prop.
Design	10	252	26	43	577.96/578.75	579.96	579.02	2.00	0.27
Base	50	411	31	49	578.71/579.96	582.29	580.97	3.58	1.60
Overlapping	100	482	33	51	578.95/579.59	583.28	581.76	4.33	2.17
Max. Calc.	500	654	36	55	579.43/580.00	587.04	584.25	7.61	4.25

EXISTING GROUND LINE (ALONG PROPOSED BIKEPATH GRADING & SHAPING)



EXIST. GROUND ALONG PROP. C



NOTES:

- Reinforcement bars shall conform to the requirements of ASTM A706, Grade 60.
- It shall be the responsibility of the contractor to divert the stream flow in order to keep the construction area free of water. The method of water diversion shall be subject to the approval of the Engineer and the cost shall be included in the item "Concrete Box Culverts."
- Precast alternate will not be allowed.
- Limits of Removal and Replacement of weak soils with Rock Fill Foundation will be determined by the Engineer.
- Remove portion of existing culvert kneewall and North wingwall to facilitate drainage during Stage I Construction. Coordinate limits of Stage I Removal with Engineer.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BOX CULVERT
GENERAL PLAN
PROPOSED STRUCTURE NO. 011-7053
STA. 1656+34.34
 SCALE: NONE
 DATE: 03/06/2012
 DRAWN BY: GLD
 CHECKED BY: ALY

T:\1\1001\1030660\Draw\Sheets\Structure\Box Culvert\STA.1656-34.34.dwg
 2/23/2012