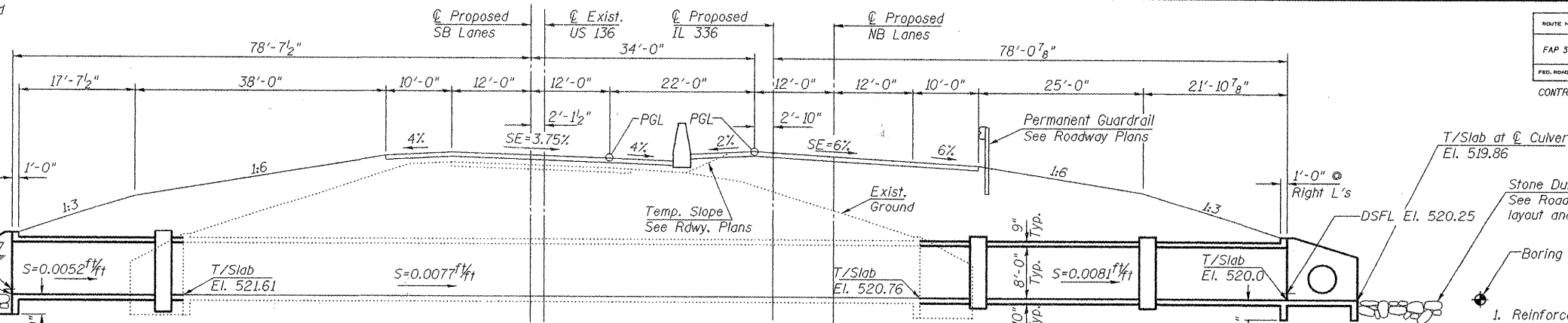


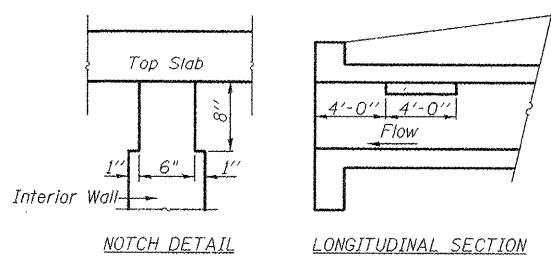
Bench Mark: Spike in power pole located South of @ at Sta 1314+62 EL 529.62

Existing Structure: Double 7' x 8' RC Box Culvert. Existing culvert is to be extended 27' to the north and 93' to the south. One lane of traffic in each direction will be maintained at all times. Stage 1 traffic will remain on existing roadway. Stage 3 traffic will be maintained on new Northbound lanes of IL 336.

Salvage: None
 DHW 50 El. 526.7
 USFL El. 522.0
 T/Slab El. 521.75



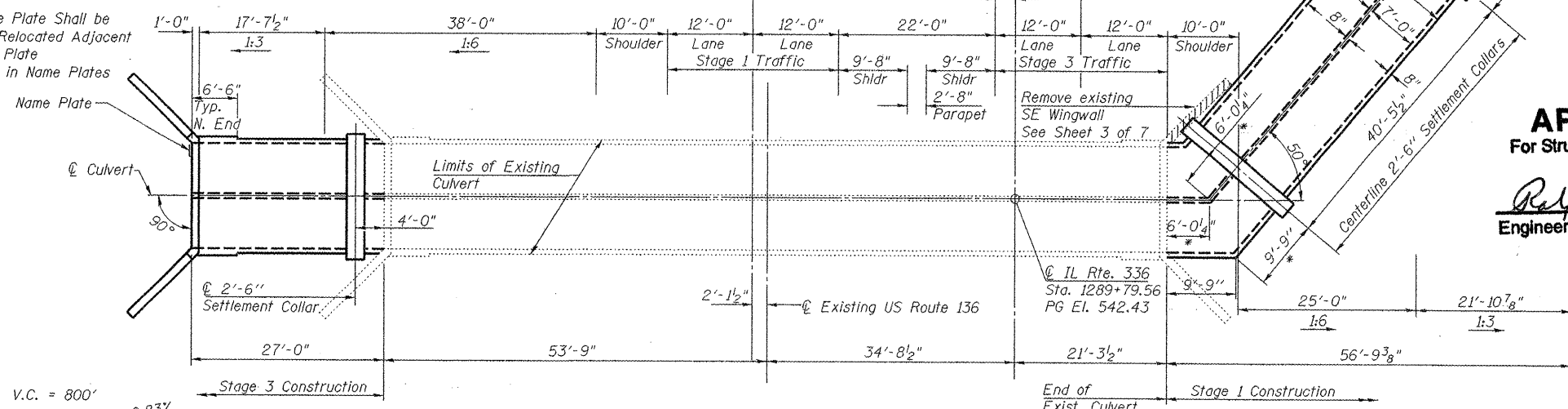
CURVE DATA
 P.I. STA = 1293+06.01
 $\Delta = 16^{\circ}17'26''$ (RT)
 D = 2°43'40"
 R = 2100.46'
 T = 300.63'
 L = 597.21'
 E = 21.41'
 SE = 6%
 P.C. STA. = 1290+05.38
 P.T. STA. = 1296+02.59
 SB SE Attained from STA. 1287+86.38 to 1290+95.58
 SB SE Removed from STA. 1295+12.59 to 1298+21.59
 NB SE Attained from STA. 1286+64.05 to 1289+73.05
 NB SE Removed from STA. 1296+32.93 to 1299+41.93



NAME PLATE
 See Std. 515001

PHOEBE NESTING SITE ON BOX CULVERT

NOTE:
 Existing Name Plate Shall be Cleaned and Relocated Adjacent to New Name Plate
 Cost included in Name Plates



WATERWAY INFORMATION

Drainage Area = 0.29 Sq. Mi. Low Grade Elev. 542.41 @ Sta. 1290+31.50

Flood	Freq. Yr.	C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater EL.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	50	508	65	65	526.7	0.54	0.54	527.24	527.24
Base	100	605	70	70	527.08	0.89	0.89	527.97	527.97
Overtopping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	848	78	78	527.71	2.01	2.01	529.72	529.72

DESIGN SPECIFICATIONS

2002 AASHTO
LOADING HS20-44
 Allow 50 psf for Future Wearing Surface

DESIGN STRESSES

FIELD UNITS
 PROPOSED $f'_c = 3,500$ psi $f_y = 60,000$ psi (reinforcement)
 EXISTING $f'_c = 4,000$ psi $f_y = 60,000$ psi (reinforcement)

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET
FAP 315	34-5(5B)	HANCOCK	612	271
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

CONTRACT NO. 72682

SHEET NO. 1
 7 SHEETS

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.
2. For backfilling and embankment, see Standard Specifications.
3. Layout of Slope Protection System may be varied in the field to suit ground conditions as directed by the Engineer.
4. Exposed edges shall have standard 3/4" chamfer unless otherwise noted.
5. All construction joints shall be bonded.
6. See Roadway Plans for Riprap Layout and Quantity.
7. Removal and replacement of weak soil with Rockfill-Foundation may be required beneath the culvert. The Engineer will determine the required depth following excavation to plan grade.
8. Expansion bolts shall be 3/4" diameter hooked bolts and shall conform to the requirements of Article 1006.09 of the Standard Specifications. Hooked bolts shall extend a minimum of 9" into new concrete.
9. At least 6'-6" of the barrel shall be poured monolithically with the north wing walls.
10. Precast alternate is not allowed.

INDEX OF SHEETS

1. General Plan and Elevation
2. Culvert Details - N. Extension
3. Plan & Elevation - S. Extension
4. Culvert Details - S. Extension
5. Culvert Details - S. Extension
6. Settlement Collar Details and Bar Details
7. Boring Logs

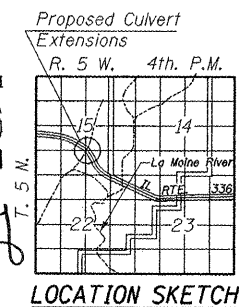
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	4.8
Expansion Bolts 3/4"	Each	66
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	240.4
Reinforcement Bars	Pound	40,340
Rockfill-Foundation	Ton	160

** Quantity is Estimated

APPROVED
 For Structural Adequacy Only

Ralph E. Anderson
 Engineer of Bridges & Structures



ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE		PROJECT NO.	
GENERAL PLAN & ELEVATION		02076-3	
ILL. ROUTE 336 OVER TRIB TO LA MOINE RIVER		DATE: 03/09/06	
FAP ROUTE 315 SECTION 34-5(5B)		DRAWN BY: TFG	
HANCOCK COUNTY		CHECKED BY: CME/ALB	
STATION 1289+79.56		PROJECT NO.	
STRUCTURE NUMBER 034-7002		SHEET NO.	
COOMBE-BLOXDORF P.C.		1	
Engineers / Land Surveyors		OF 7 SHEETS	
Springfield, Illinois			
Design Firm License No. 184-002708			

FILE NAME = ...
 PLOT SCALE = 1/8000 in / 1 in.
 SHEET NAME = G.P.C.

