

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 315	34-5(B)	HANCOCK	612	278
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 72682				

SHEET NO. 1  
8 SHEETS

**WATERWAY INFORMATION**

Drainage Area = 1.70 Sq. Mi. Low Grade Elev. 542.05 @ Sta. 1323+00.00

Flood	Freq. Yr.	C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft.	Headwater EL.			
			Exist. Prop.	Exist. Prop.	Exist. Prop.	Exist. Prop.			
Design	50	1517	167.04	163.20	528.2	0.15	0.15	528.05	528.05
Base	100	1818	168.64	164.80	528.3	1.19	1.19	529.49	529.49
Overtopping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	2529	173.44	169.60	528.6	4.33	4.34	532.93	532.94

**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. Precast alternate is not allowed.
10. Existing culvert shall be cleaned out prior to adding proposed extensions. Cost included in Concrete Box Culverts.

**INDEX OF SHEETS**

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

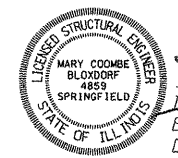
**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Expansion Bolts 3/4"	Each	82
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	498.1
Reinforcement Bars	Pound	94,140
** Rockfill-Foundation	Ton	160

\*\*Quantity is estimated

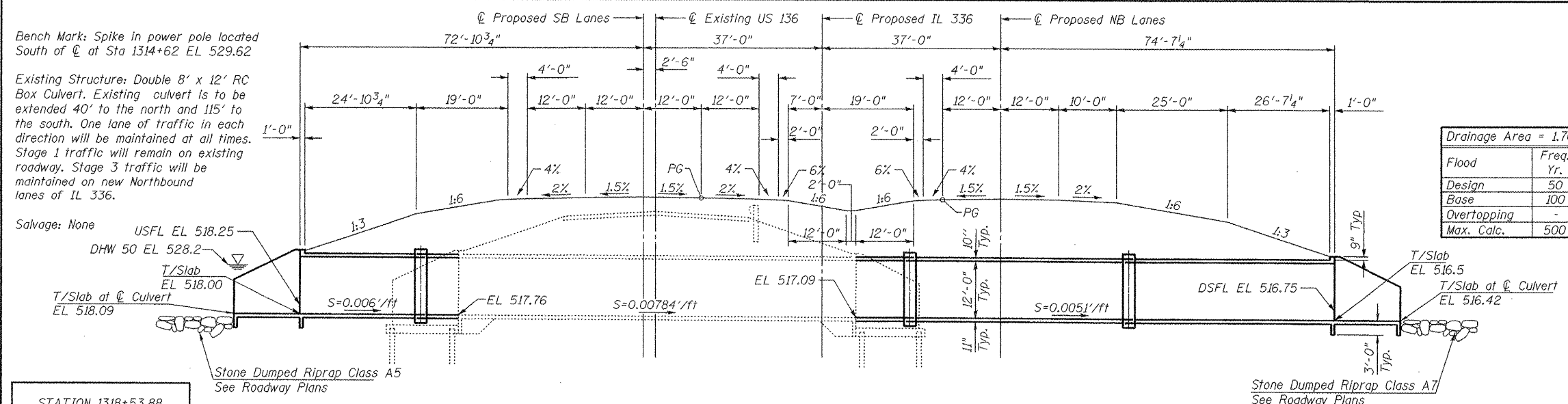
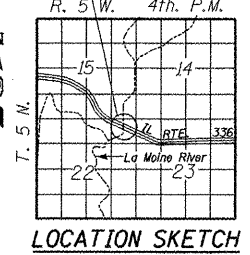
**APPROVED**  
For Structural Adequacy Only

*Ralph E. Anderson*  
Engineer of Bridges & Structures

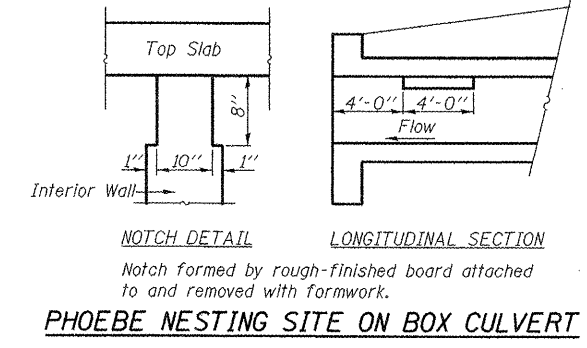


*Mary Coombe Bloxdorf*  
ILLINOIS STRUCTURAL NO. 4859  
EXPIRES: 11/30/06  
DATE: 5-3-06

ILLINOIS DEPARTMENT OF TRANSPORTATION	
GENERAL PLAN & ELEVATION	
PROJECT: IL. RTE. 336 OVER TRIB TO LA MOINE RIVER	PROJECT NO. 02076-4
FAP ROUTE 315 SECTION 34-5 (5B)	DATE: 04/12/06
HANCOCK COUNTY	DRAWN BY: TFC
STATION 1318+53.88	CHECKED BY: CME/MCB
STRUCTURE NUMBER 034-7001	APPROVED BY:
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois	
Design Firm License No. 184-002703	1 OF 8 SHTS



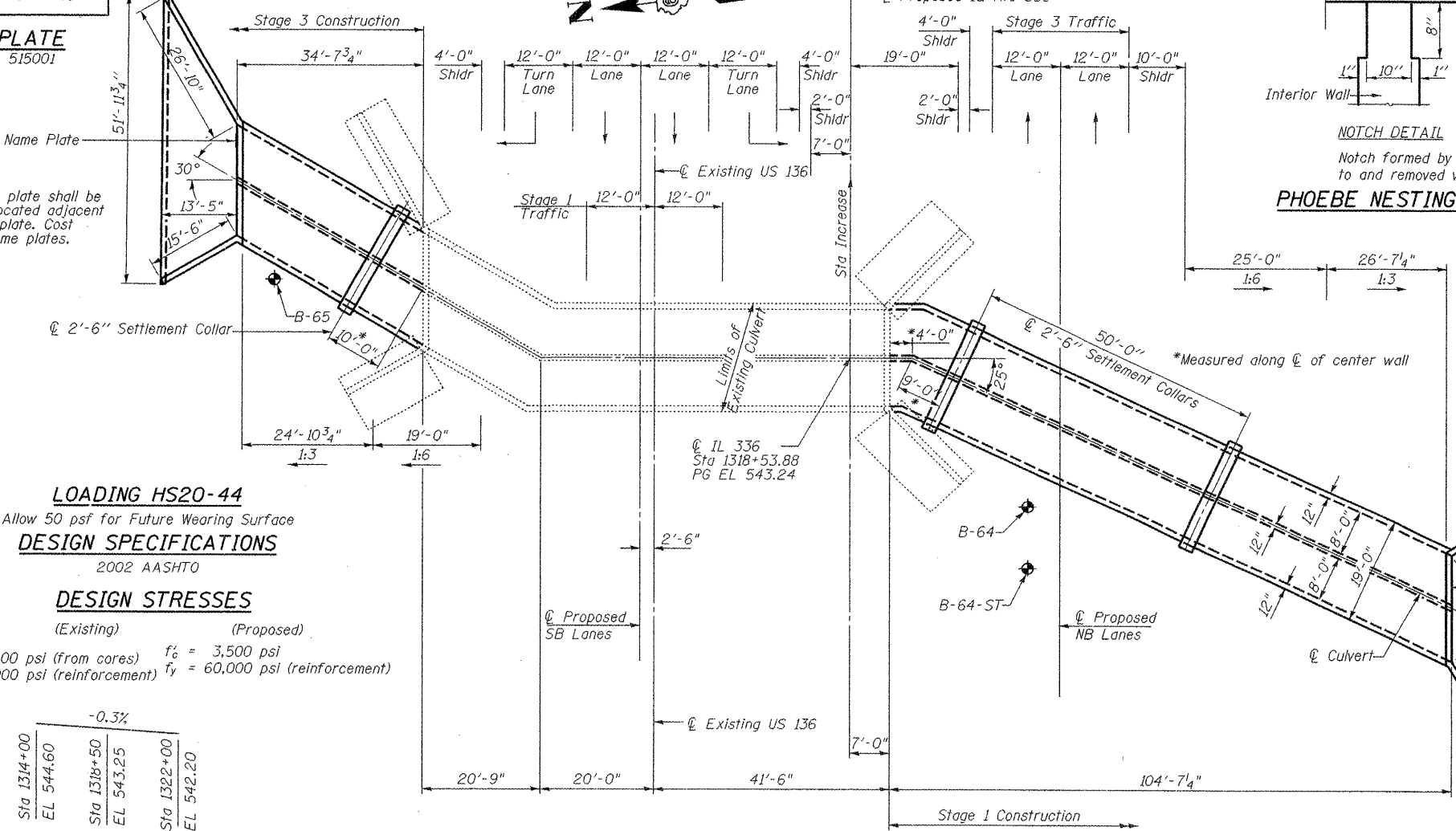
**LONGITUDINAL SECTION**  
Dimensions at Right angles to IL 336



STATION 1318+53.88  
REBUILT 20... BY  
STATE OF ILLINOIS  
FAP RT 315 SEC 34-5 (5B)  
LOADING HS20  
STR. NO. 034-7001

**NAME PLATE**  
See Std. 515001

NOTE:  
Existing name plate shall be cleaned and located adjacent to new name plate. Cost included in name plates.



**PLAN**

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

**DESIGN STRESSES**

(Existing) (Proposed)  
f<sub>c</sub> = 5,500 psi (from cores) f<sub>c</sub> = 3,500 psi  
f<sub>y</sub> = 60,000 psi (reinforcement) f<sub>y</sub> = 60,000 psi (reinforcement)

Station	Elevation
Sta 1314+00	EL 544.60
Sta 1318+50	EL 543.25
Sta 1322+00	EL 542.20

**PROFILE GRADE**  
(along median edge of pavement)

FILE NAME = 034-7001-01-01.dgn  
PLOT SCALE = 1/8" = 1'-0"  
USER NAME = DFC

GPE