

Bench Mark: Chiseled square in the center of the west headwall of SN 102-2002, Elevation 727.34

Existing Structure: S.N. 102-2002 built in 1925 (original construction), 1958 (reconstructed) as a system of a double 7' x 3' R.C. box culvert, 45'-4" out to out of headwalls with culvert length of 52'-4", 30 deg skew, a single 4' x 3' box culvert, 53'-10 3/4" out to out of headwalls with 0 deg skew, and a retaining wall at upstream end joining two culverts.

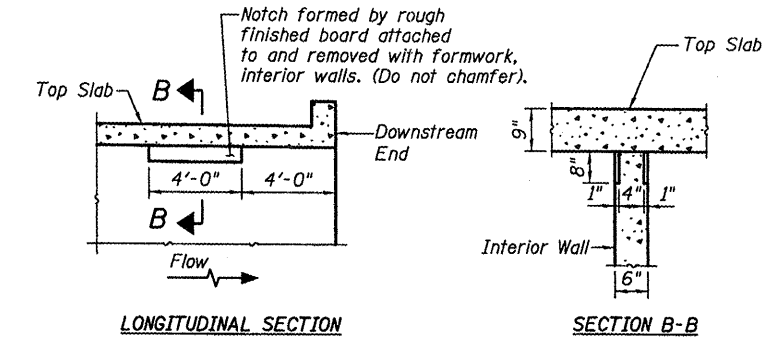
Roadway to be kept closed during culvert construction.

No salvage.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATION 725+15.00
BUILT 20__ BY
STATE OF ILLINOIS
FAS RTE 1360 - SEC. 631
LOADING HS20
STRUCTURE NO. 102-2028

NAME PLATE
See Std. 515001

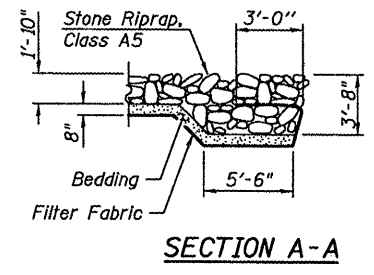


PHOEBE NESTING SITE DETAILS
(Downstream End Only)

- GENERAL NOTES**
1. Reinforcement Bars shall conform to the requirements of ASTM A 706, Grade 60, see Special Provisions.
 2. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
 3. For Backfilling and Embankment, see Standard Specifications and roadway plans.
 4. At least 6'-0" of the barrel shall be poured monolithically with the wingwalls.
 5. Precast alternate is not allowed.
 6. Reinforcement bars designated (E) shall be epoxy coated.

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	Upstream	Downstream
	719.85	719.75



WATERWAY INFORMATION

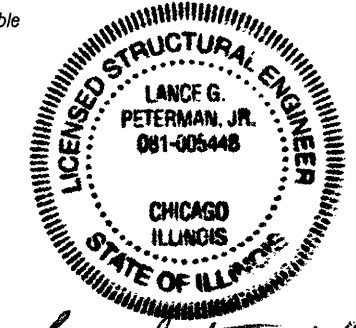
Drainage Area = 1.53 Sq Mi Low Grade Elev. 728.98 @ Sta. 723+65

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. **Exist.	Prop.	Nat. H.W.E.	Head - Ft. Exist.	Prop.	Headwater El. Exist.	Prop.
Design	50	332	48	52	726.49	1.06	0.73	727.55	727.22
Base	100	382	48	54	726.60	1.47	0.96	728.07	727.56
Overtopping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	499	48	57	726.82	2.40	2.04	729.22	728.86

** Openings include 6 Sq. Ft. opening for adjacent 4' x 3' RCBC.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	Cu. Yd.	38
Porous Granular Embankment	Ton	140
Trench Backfill	Cu. Yd.	27.0
Geotechnical Fabric for Ground Stabilization	Sq. Yd.	171
Stone Riprap, Class A5	Ton	118
Filter Fabric	Sq. Yd.	188
Removal of Existing Structures	Each	1
Reinforcement Bars, Epoxy Coated	Pound	27,340
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	100.2
Controlled Low-Strength Material	Cu. Yd.	24



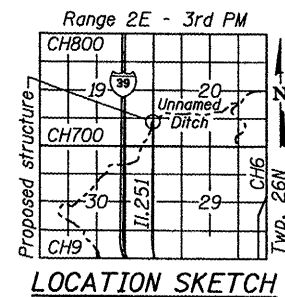
Same sheet as 8/13/08 expires 11/2008

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

LOADING HS20-44
Allow 50 psf for future wearing surface.

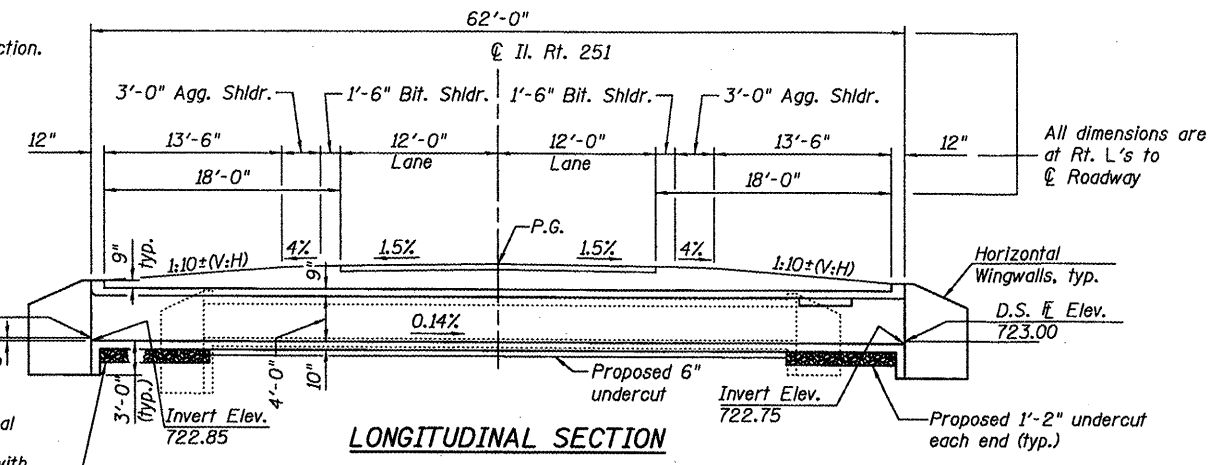
DESIGN SPECIFICATIONS
2002 AASHTO Standard Specification for Highway Bridges

DESIGN STRESSES
FIELD LIMITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

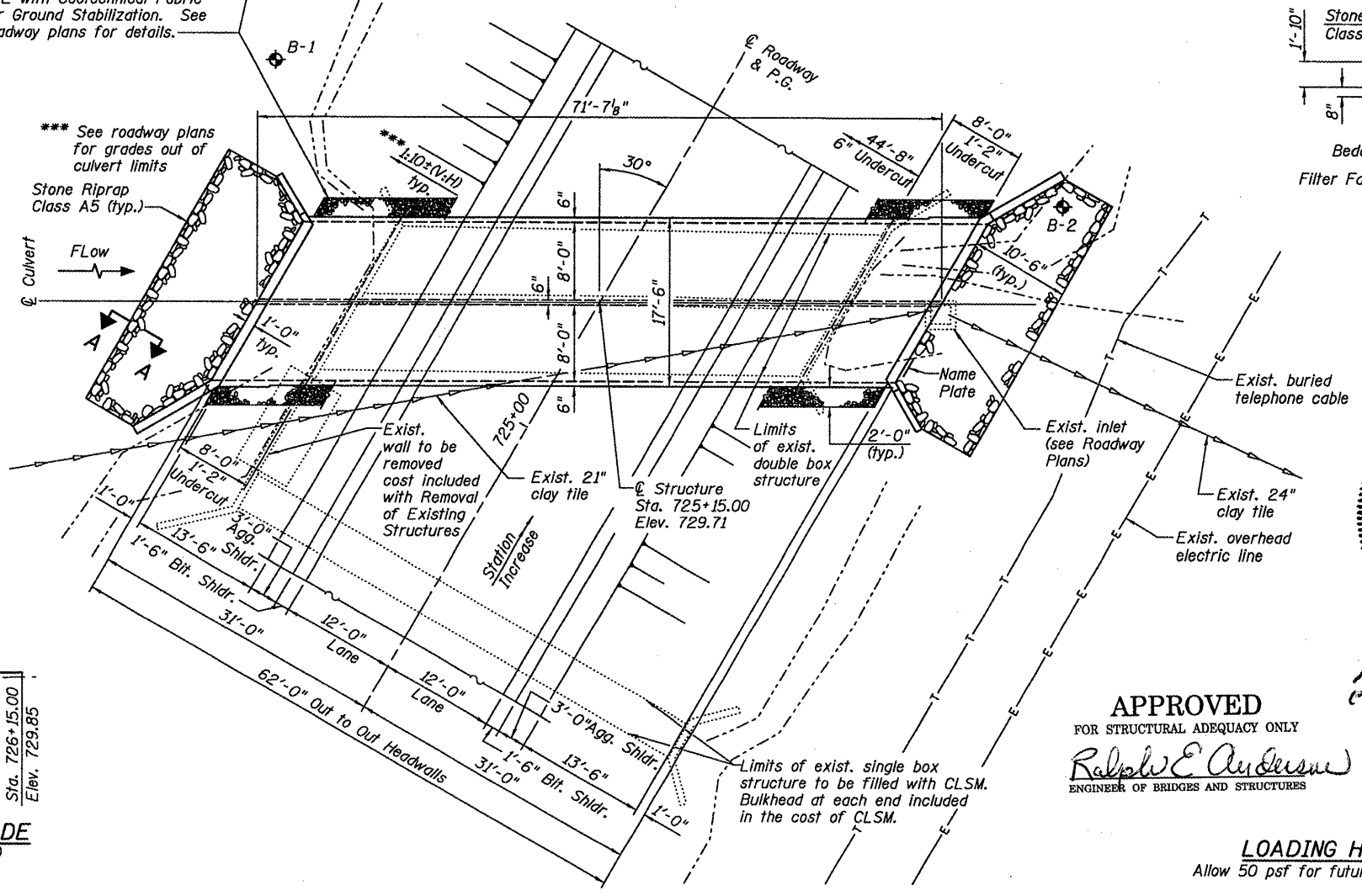


GENERAL PLAN
IL ROUTE 251 OVER
UNNAMED DRAINAGE DITCH
STATION 725+15.00

SHEET NO. 1	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2 SHEETS	1360	631	WOODFORD	31	15
SN 102-2028			CONTRACT NO. 68574		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	



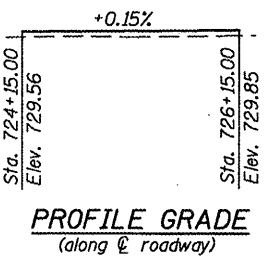
Proposed limits of Removal and Disposal of Unsuitable Material and replacement with PGE with Geotechnical Fabric for Ground Stabilization. See roadway plans for details.



PLAN

INDEX OF SHEETS

1. General Plan
2. Culvert Details



DESIGNED	JM
CHECKED	LGP
DRAWN	JM
CHECKED	LGP

HDR
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