

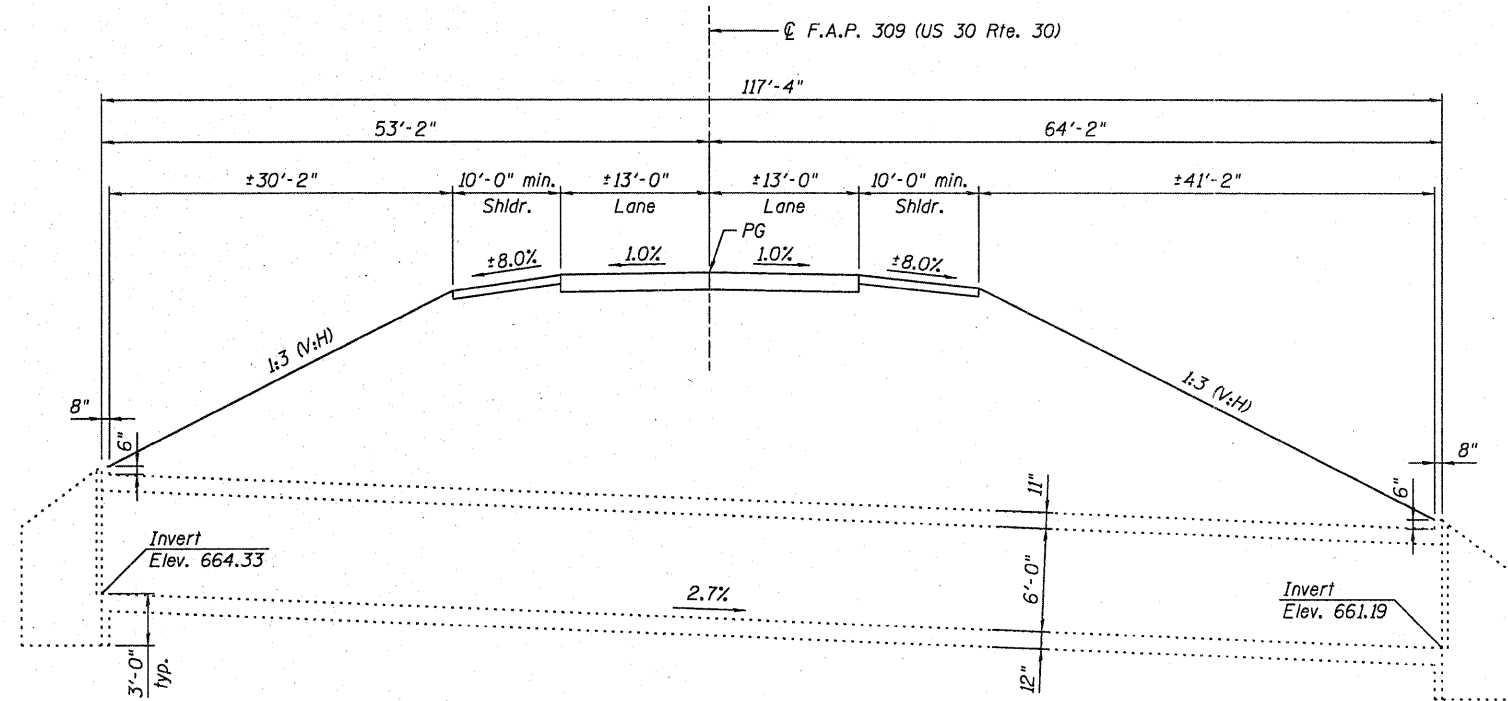
Benchmark: Northeast corner of south headwall, Elevation 668.60

Existing Structure: S.N. 098-1020, built in 1952 as 10' x 6' R.C. box culvert, 116'-0" face to face of headwall with culvert length of 117'-4". The culvert south end section requires rehabilitation. The existing wingwalls will be removed and replaced with sheetpile wingwalls. Traffic to be maintained during construction.

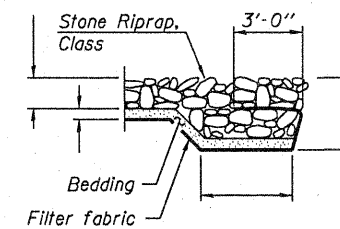
No salvage.

GENERAL NOTES

1. The sheet piling for the wingwalls shall conform to the special provision Permanent Steel Sheet Piling.
2. The minimum section modulus for the Permanent Steel Sheet Piling shall be 5.1 in³/ft.
3. The fabricated steel cap shall be AASHTO M270 Grade 50W. The cap shall not be paid for separately, but shall be included in the cost for Permanent Steel Sheet Piling.
4. Fasteners shall be AASHTO M164 Type 3.
5. Removal of the existing wingwalls shall conform to Section 501 of the Standard Specifications.
6. Hard driving may be encountered during the sheet piling installation. The Contractor shall select a sheet pile shape to satisfy the section requirements and provide appropriate driving equipment for the soil conditions indicated on the boring log.
7. New coarse aggregate shall be placed behind the existing headwall for the full length of the headwall and shall be 12" wide by 6" high. The coarse aggregate shall be gradation CA 7 or CA 11 material. This item shall not be paid for separately, but shall be included in the cost of Concrete Wingwall Removal.



LONGITUDINAL SECTION



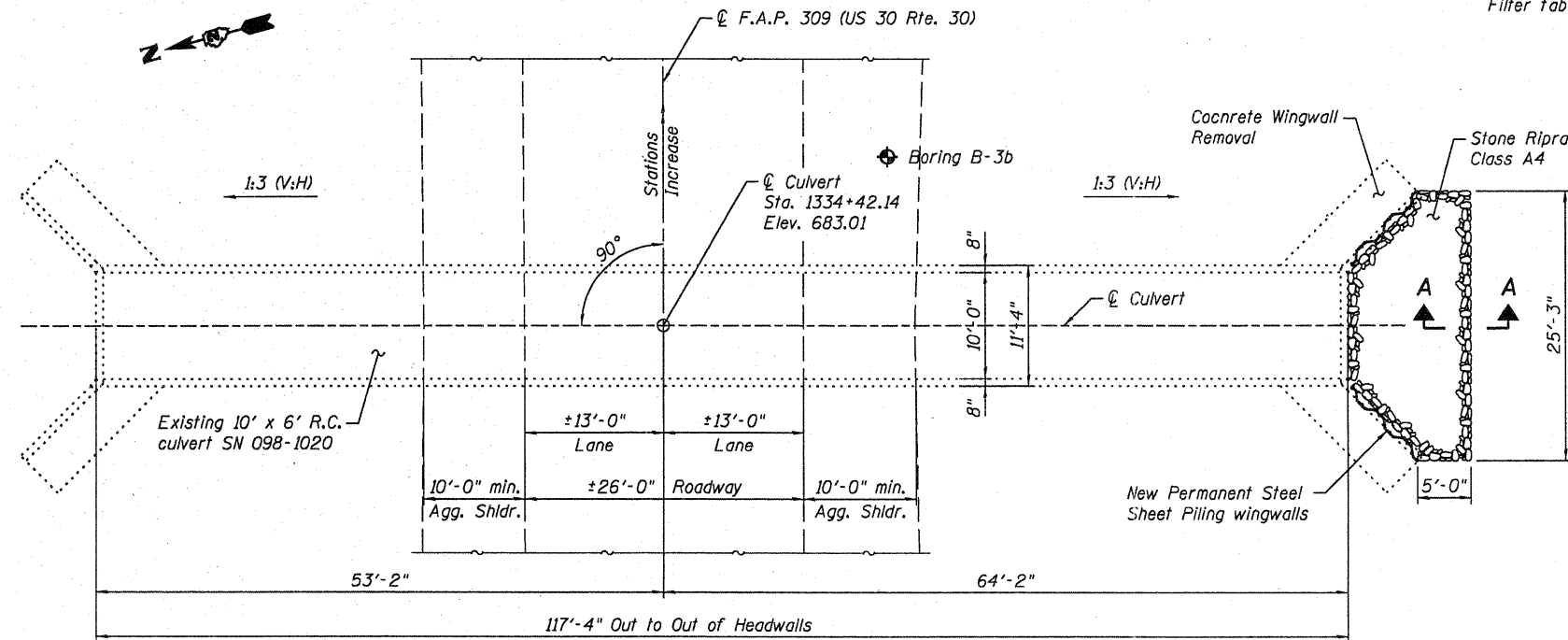
SECTION A-A

TOTAL BILL OF MATERIAL

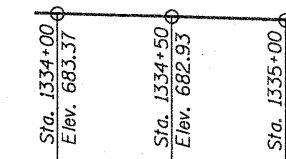
ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	28
Filter Fabric	Sq. Yd.	28
Permanent Steel Sheet Piling	Sq. Ft.	335
Concrete Wingwall Removal	Each	1

INDEX OF SHEETS

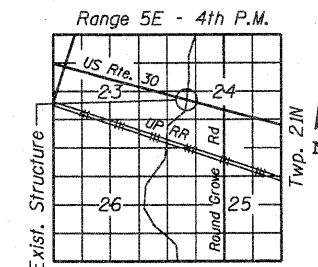
1. General Plan & Elevation
2. End Section Details
3. Soil Boring Log



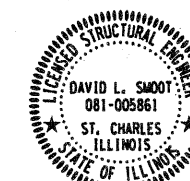
PLAN



PROFILE GRADE
(along centerline of roadway)



LOCATION SKETCH



David L. Smoot

David L. Smoot
Date: 06/24/2011
License Expires: 11/30/2012

GENERAL PLAN & ELEVATION
US ROUTE 30 OVER UNNAMED
TRIBUTARY TO THE ROCK RIVER
F.A.P. RTE 309 - SEC. 15T-1
WHITESIDE COUNTY
STATION 1334+42.14
STRUCTURE NO. 098-1020

W:\Projects\2010\108128_PIB_157\25\used\Structure\108128-64F23-01.dwg
 11.30 Shp71a EndSection\08128-64F23-01.dwg
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USER NAME =	DESIGNED - DLS	REVISED -
FILE NAME =	CHECKED - AEU	REVISED -
PLOT SCALE =	DRAWN - DLS	REVISED -
PLOT DATE = 06/24/2011	CHECKED - AEU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	42
			CONTRACT NO. 64F23	
ILLINOIS FED. AID PROJECT				