

Existing Structure:
 Single 7' x 7' box culvert built in 1947 under Section 83.
 The existing box will be extended to the south and a grouted end section constructed. The existing wingwalls at the north end will be removed and replaced with steel sheet piling. One lane of traffic to be maintained at all times utilizing staged construction.

No salvage.

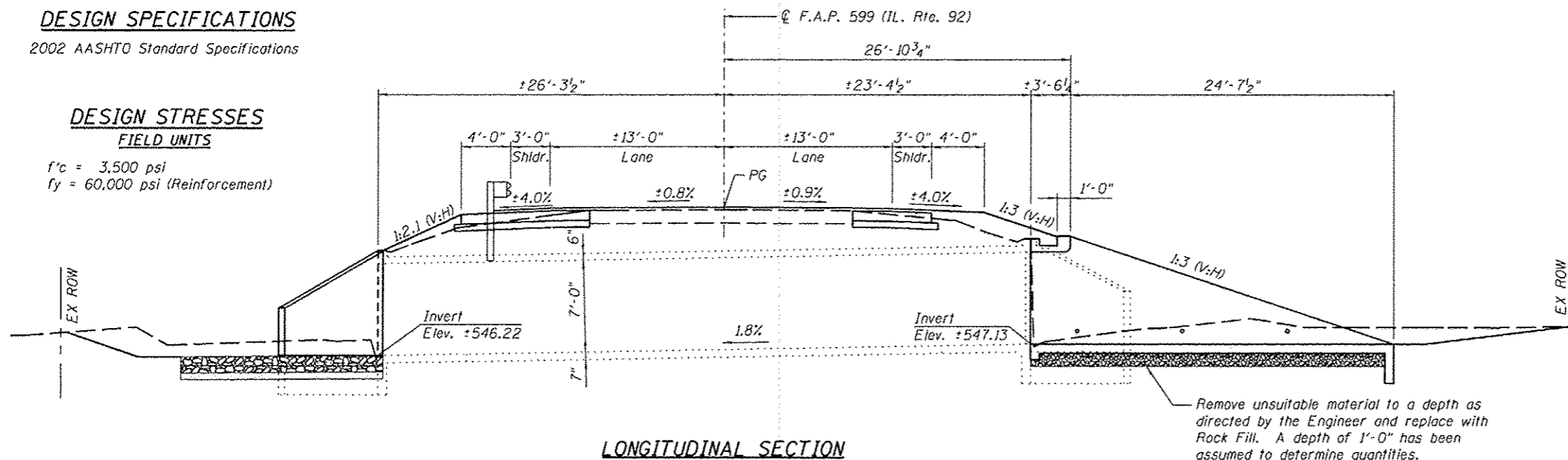
DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)



LONGITUDINAL SECTION

Remove unsuitable material to a depth as directed by the Engineer and replace with Rock Fill. A depth of 1'-0\"/>

INDEX OF SHEETS

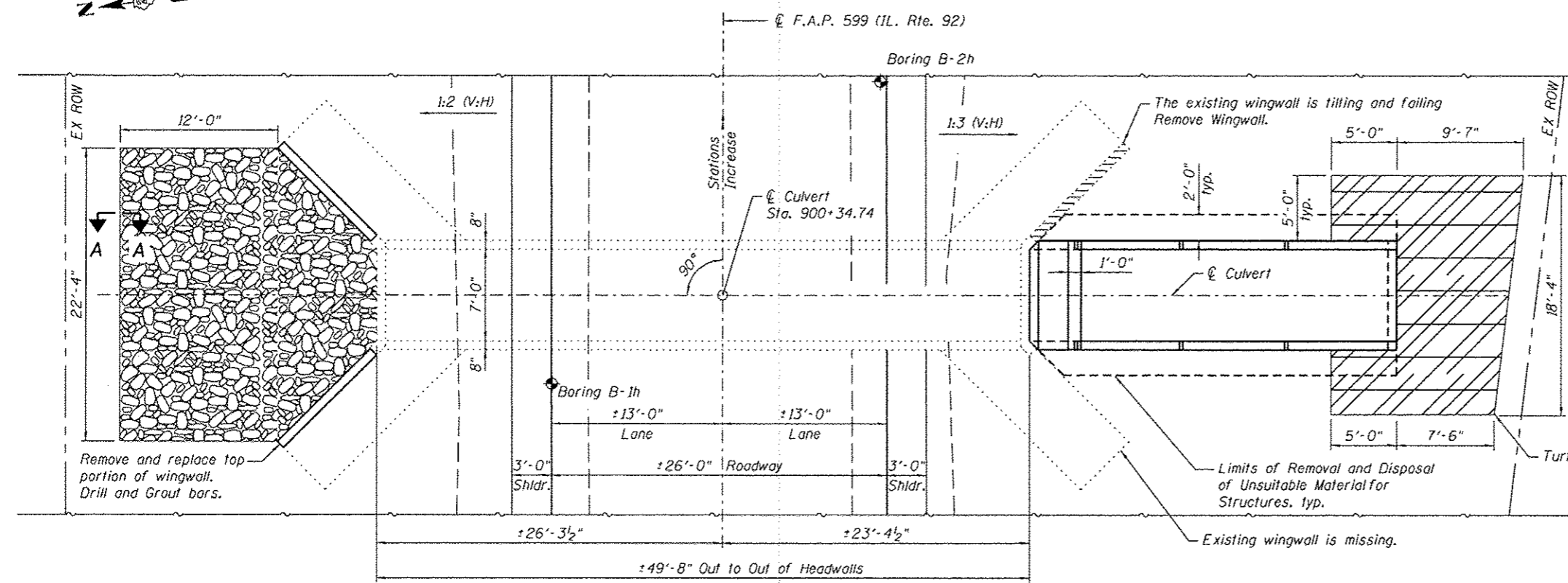
1. General Plan & Elevation
2. Box Culvert End Section
3. Box Culvert End Section Details
4. Traversable Steel Pipe System
5. Culvert Wingwall Repair Details

GENERAL NOTES

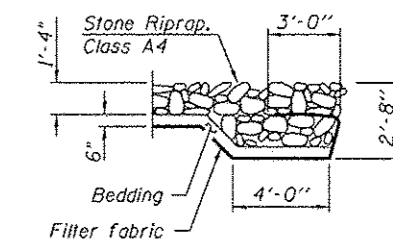
1. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
2. Removal of the existing wingwalls shall conform to Section 501 of the Standard Specifications.
3. All exposed concrete edges shall be chamfered 3/4\"/>
- 4. All construction joints shall be bonded.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Turf Reinforcement Mat	Sq. Yd.	23
Stone Riprap, Class A4	Sq. Yd.	43
Filter Fabric	Sq. Yd.	43
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	13
Concrete Structures	Cu. Yd.	3.1
Reinforcement Bars	Pound	480
Box Culvert End Sections, Culvert No. 07	Each	1
Traversable Pipe Grate	Foot	93.5
Concrete Wingwall Removal	Each	3
Rock Fill	Ton	24



PLAN



SECTION A-A



Signature: *Andrew E. Underwager*

Date: 3-13-2013

License Expires: 11-30-2014

GENERAL PLAN & ELEVATION

ILLINOIS ROUTE 92
F.A.P. RTE 599 - SEC. (83MFT & 103MFT)W
ROCK ISLAND COUNTY
STATION 900+34.74

FILE NAME: W:\Projects\2013\03120_P1B_157125\Acad\Structural\Drawings_3 IL 92_Culvert\Station900+34.74\Final_Submitted_13.03.2013_930+34.74_64M11-001_CPE.dwg

WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME: hfarasi	DESIGNED: AH	REVISED:
PLOT SCALE:	CHECKED: AEU	REVISED:
PLOT DATE: 3/28/2013	DRAWN: AH	REVISED:
	CHECKED: AEU	REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STA. 900+34.74
 SHEET NO. 1 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	(83MFT & 103MFT)W	ROCK ISLAND	340	171
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 64M11	