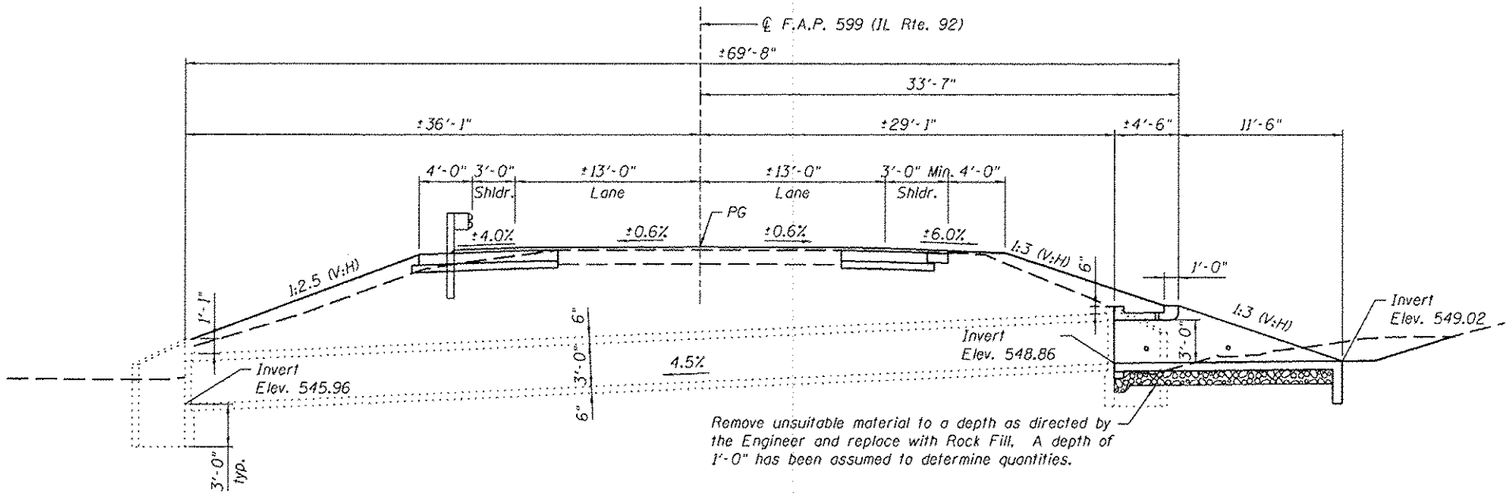
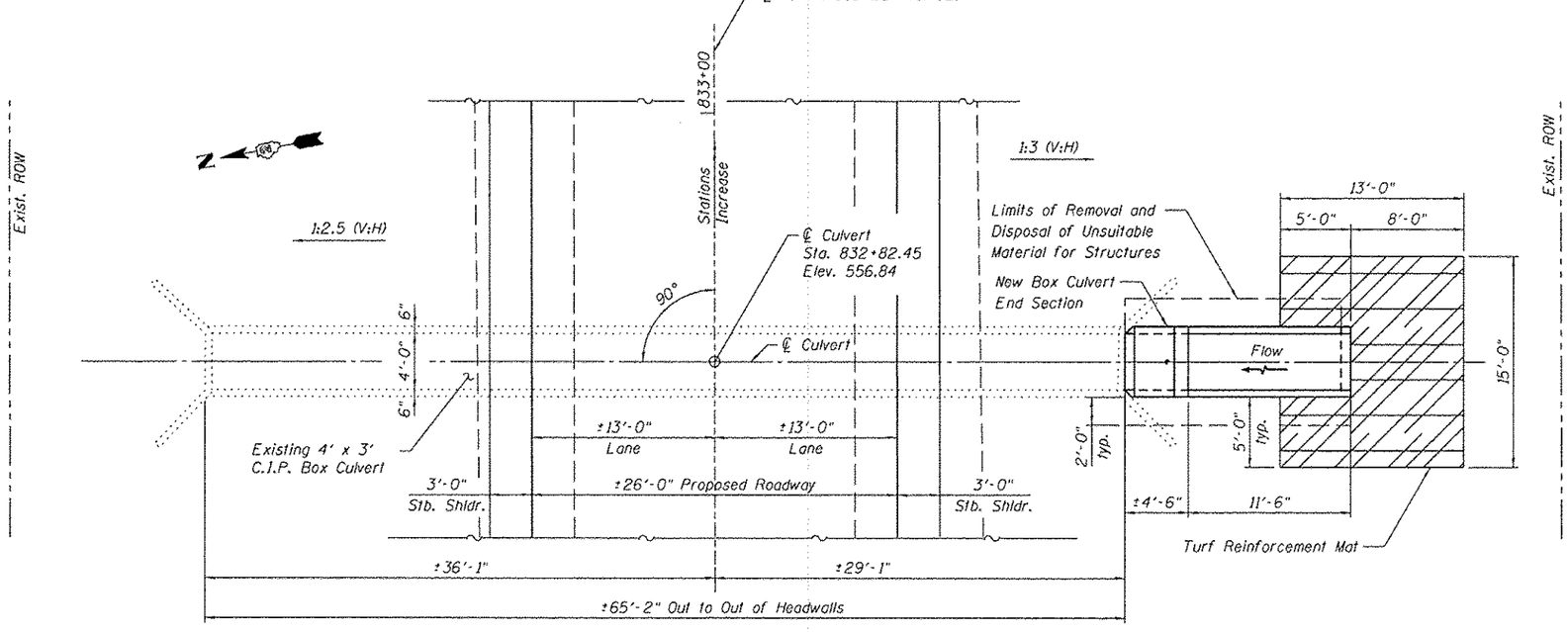
Existing Structure: Existing culvert is a 4' x 3' RC box culvert with cantilever wingwalls built in 1947 under Section 83. The existing culvert is approximately 65'-2" out to out headwalls. The upstream end of the existing culvert will be extended. One lane of traffic to be maintained at all times utilizing staged construction.

No salvage.



LONGITUDINAL SECTION



PLAN

GENERAL NOTES

1. Plan dimensions and details have been taken from existing plans or survey/field checks. As such, these dimensions and details 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. All exposed concrete edges shall be chamfered ¾" unless noted otherwise. All construction joints shall be bonded.
3. This work shall conform to the requirements of the applicable portions of Sections 501, 503, 505, 508 and 584 of the Standard Specifications.
4. A precast option is not allowed at this location.
5. Drainage holes shall conform to the requirements of Article 503.11 of the Standard Specifications.
6. Nonwoven geotexile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Turf Reinforcement Mat	Sq. Yd.	19
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	6
Box Culvert End Sections, Culvert No. 01	Each	1
Traversable Pipe Grate	Foot	10.3
Rock Fill	Ton	10

DESIGN SPECIFICATIONS

2002 AASHTO Bridge Design Specifications

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

INDEX OF SHEETS

1. General Plan & Elevation
2. Box Culvert End Section
3. Box Culvert End Section Details
4. Traverasable Steel Pipe System

LICENSED STRUCTURAL ENGINEER
DAVID L. SMOOT
081-005861
ST. CHARLES
ILLINOIS
STATE OF ILLINOIS

David L. Smoot
Signature
Date: March 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 832+82.45

FILE NAME = W:\Projects\2010\100120 PTB 157\25\cadd\Structural\Dgn\WD #3 IL 92 Culverts\Station832+82.45\Final Submittal 13.0320\832+82.45-64H11-001-GPE.dgn

WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nparris	DESIGNED - AWH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION STA. 832+82.45	F.A.P. RTE. 599	SECTION (83MFT & 103MFT)W	COUNTY ROCK ISLAND	TOTAL SHEETS 340 / SHEET NO. 138
		CHECKED - DLS	REVISED -					CONTRACT NO. 64H11	
	PLOT SCALE =	DRAWN - AWH	REVISED -						
	PLOT DATE = 3/21/2013	CHECKED - DLS	REVISED -		SHEET NO. 1 OF 4 SHEETS	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	