



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

May 16, 2011

CALL NO. 103
CONTRACT ID NO. 111019
ADDENDUM # 2

Subject: Shelby County, BRZ 0503 (221)
Letting May 20, 2011

- (1) Revised - Detail Sheet - Pages 36-37 of 124
- (2) Deleted - Pages 41 & 42 of 124
- (3) Revised - CAP Note - Page 65 of 124

Proposal revisions are available at <http://transportation.ky.gov/contract/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

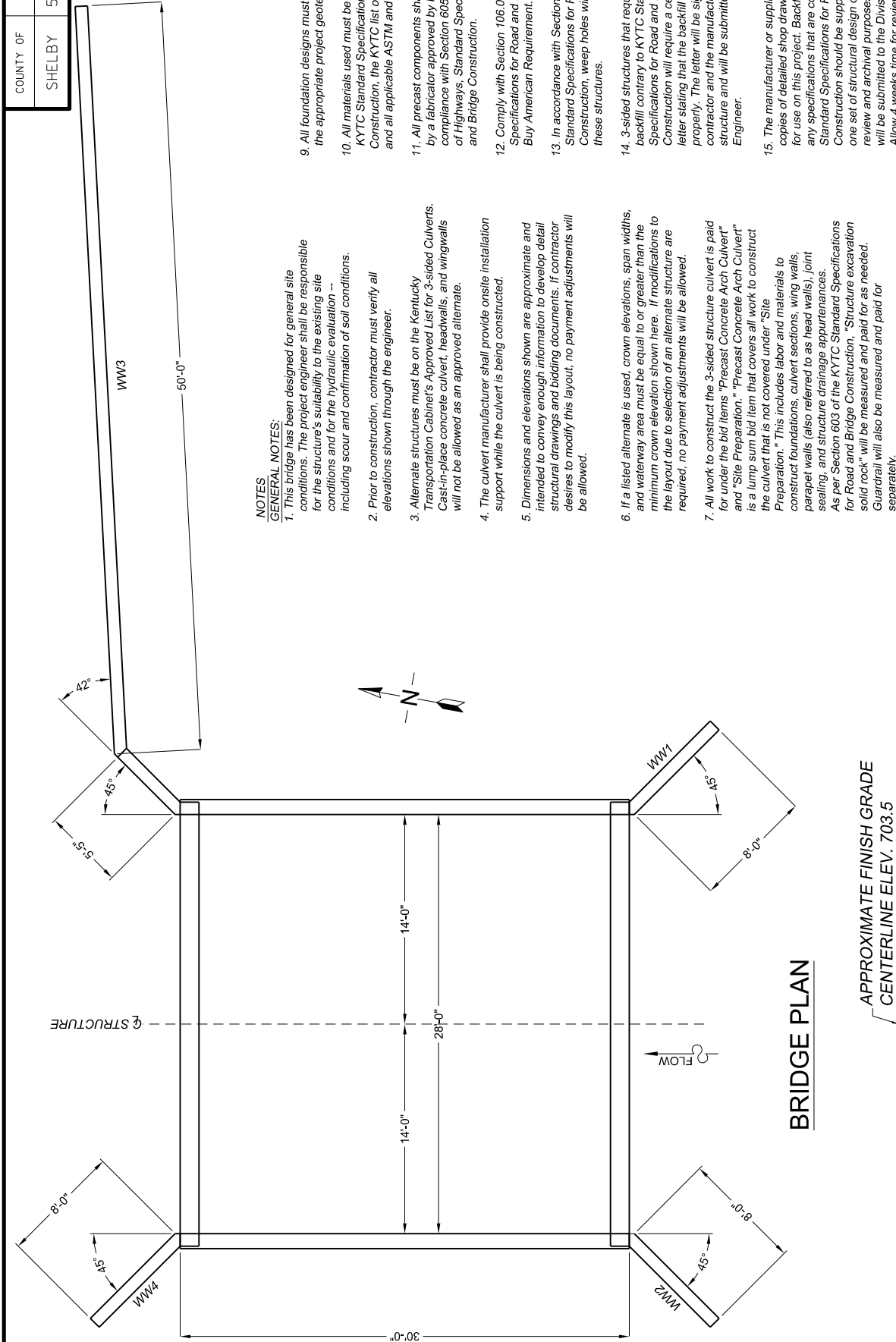
Ryan Griffith
Director
Division of Construction Procurement

RG:ks
Enclosures

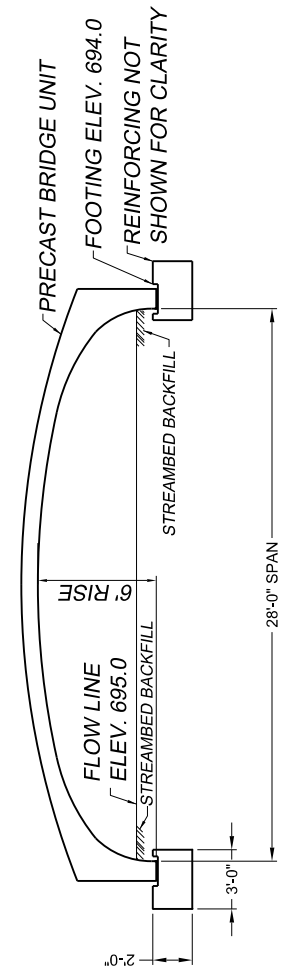


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COUNTY OF	ITEM NO.	SHEET NO.
SHELBY	5-1053.00	CULVERT



BRIDGE PLAN



BRIDGE ELEVATION

NOTES

GENERAL NOTES:

- This bridge has been designed for general site conditions. The project engineer shall be responsible for the structure's suitability to the existing site conditions and for the hydraulic evaluation -- including scour and confirmation of soil conditions.
- Prior to construction, contractor must verify all elevations shown through the engineer.
- Alternate structures must be on the Kentucky Transportation Cabinet's Approved List for 3-sided Culverts. Cast-in-place concrete culvert, headwalls, and wingwalls will not be allowed as an approved alternate.
- The culvert manufacturer shall provide onsite installation support while the culvert is being constructed.
- Dimensions and elevations shown are approximate and intended to convey enough information to develop detail structural drawings and bidding documents. If contractor desires to modify this layout, no payment adjustments will be allowed.
- If a listed alternate is used, crown elevations, span widths, and waterway area must be equal to or greater than the minimum crown elevation shown here. If modifications to the layout due to selection of an alternate structure are required, no payment adjustments will be allowed.
- All work to construct the 3-sided structure culvert is paid for under the bid items "Precast Concrete Arch Culvert" and "Site Preparation." "Precast Concrete Arch Culvert" is a lump sum bid item that covers all work to construct the culvert that is not covered under "Site Preparation." This includes labor and materials to construct foundations, culvert sections, wing walls, parapet walls (also referred to as head walls), joint sealing, and structure drainage appurtenances. As per Section 603 of the KYTC Standard Specifications for Road and Bridge Construction, "Structure excavation solid rock" will be measured and paid for as needed. Guardrail will also be measured and paid for separately.
- All components must be designed to meet structural requirements as set forth for earth, dead, and HL-93 live load in AASHTO LRFD Bridge Design Specifications, with interims. All designs submitted for consideration must be performed and stamped by a qualified Professional Engineer licensed to practice in the state of Kentucky.

- All foundation designs must be in accordance with the appropriate project geotechnical investigation.
- All materials used must be in conformance with KYTC Standard Specifications for Road and Bridge Construction, the KYTC list of approved materials, and all applicable ASTM and AASHTO standards.
- All precast components shall be manufactured by a fabricator approved by KYTC and be in strict compliance with Section 605 of the KYTC, Dept. of Highways, Standard Specifications for Road and Bridge Construction.
- Comply with Section 106.04 of the Standard Specifications for Road and Bridge Construction Buy American Requirement.
- In accordance with Section 611 of KYTC Standard Specifications for Road and Bridge Construction, weep holes will be required for these structures.
- 3-sided structures that require special backfill contrary to KYTC Standard Specifications for Road and Bridge Construction will require a certification letter stating that the backfill was constructed properly. The letter will be signed by the contractor and the manufacturer of the 3-sided structure and will be submitted to the Resident Engineer.
- The manufacturer or supplier must provide six copies of detailed shop drawings for final approval for use on this project. Backfill requirements and any specifications that are contrary to the KYTC Standard Specifications for Road and Bridge Construction should be supplied as well. Include one set of structural design calculations for review and archival purposes. This information will be submitted to the Division of Construction. Allow 4 weeks time for review of this material.
- All construction activities must take place within the existing right-of-way. Proposed culverts, guardrail, headwalls and wingwalls are to be designed for construction within the existing right-of-way.

NOTE: Drawing not for construction.

COUNTY OF	ITEM NO.	SHEET NO.
SHELBY	5-1053.00	0508
		CULVERT

NOTE: Drawing not for construction.

DESIGN DATA

Design Loading:
 Bridge Units: HL-93
 Headwalls: Earth Pressure + Live Load Impact (TL-2)
 Wingwalls: Earth Pressure + Live Load Surcharge
 Design Fill Height: 2.0' min. to 3.5' max.
 from top of crown to top of pavement.
 Design Method: LRFD per AASHTO Specification
 Factored Bearing Resistance: 16000 PSF *

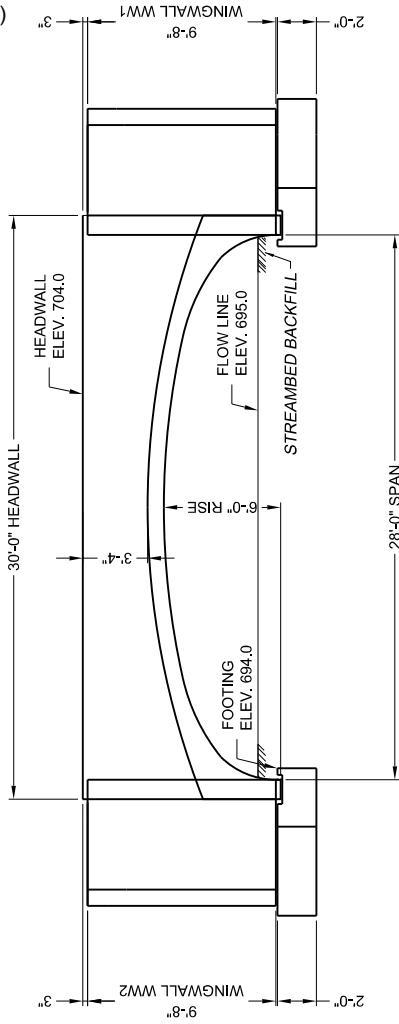
*FOUNDATION EXCAVATION AND SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT FOR THIS PROJECT PREPARED BY KYTC, DATED 03/29/2011.

MATERIALS

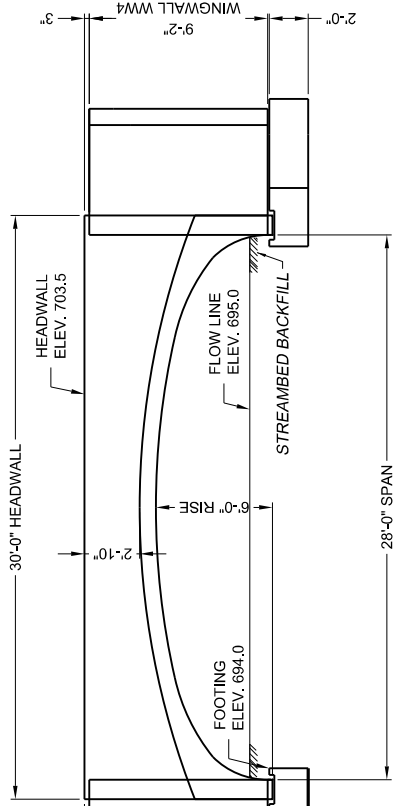
Concrete for Footings shall have a minimum compressive strength of 4000 psi. Reinforcing steel for footings shall conform to ASTM A615 or A996-Grade 60.

ATTACHED GUARDRAIL NOTES:

1. Guardrail configuration across the structure will be in accordance with the guardrail side mount detail.
2. Calculations will be provided showing that the guardrail posts will fail before all connections between the precast components below the guardrail posts and the culvert sections.
3. All guardrail transitions from the normal roadway guardrail to the structure guardrail will be in accordance with standard drawing BHS 007.



UPSTREAM END ELEVATION



DOWNSTREAM END ELEVATION

KENTUCKY TRANSPORTATION CABINET
COMMUNICATING ALL PROMISES (CAP)
ACTIVE

Item No.	5 - 1053			Project Mgr.	BRAD BOTTOMS	
			County	SHELBY	Route	KY-362
CAP #	Date of Promise	Promise made to:	Location of Promise			
1	01-APR-11	Jeff Schaefer	D5- Enviromental			
CAP Description						
BIOLOGICAL ASSESSMENT APPROVAL BY USFWS PRIOR TO CONSTRUCTION - GRAY BAT						
2	01-APR-11	Jeff Schaefer	D5- Enviromental			
CAP Description						
INDIANA BAT CONSERVATION FUND (IBCF) UE REQUIRED FOR 0.07 ACRES OF IMPACT TO IB SUMMER ROOSTING HABITAT PRIOR TO CONSTRUCTION						