



INNOVATIVE IDEAS
EXCEPTIONAL DESIGN
UNMATCHED CLIENT SERVICE

May 12, 2017

Wendy Greer
Road Superintendent
Marshall County
160 Homer Lucas Lane
Benton, KY 42025

RE: Sharpe-Calvert City Road Bridge Replacement
Final Bridge Replacement Plans – For Review

Dear Ms. Greer,

DLZ has completed the final bridge and roadway plans for the Shar-Cal Bridge Replacement Project. We have included a copy of the plans for your review and comments.

The following items of work remain:

- 1) Completion and submittal of permit package. Now that the plans are in Final (Draft) status, we can submit the permit package. We anticipate having this package ready for submittal next week. After information is compiled, we will need signatures from the County and the local flood plain coordinator and then submit for review to the Division of Water.
- 2) Completion of Specifications and Contract Documents. Concurrent to County plan review and Division of Water Permit Review. DLZ will prepare the Specifications and Contract Documents. There will be several items of coordination with the County related to bidding.

Current Coordination Items are as follows:

- 1) The only deed information that was found concerning County right-of-way (ROW) at the project site was for the 170 feet long portion described in DB 175, PG 95. The ROW described in that document is 60 feet wide, 30 feet each side of the roadway. This ROW is assumed in the plans in order to determine acquisition needs. Does the County have any more information about ROW at this site? Should different assumptions be made?

We have updated the line item summary of estimated costs for the proposed bridge replacement. We have broken out the costs into Current Costs and Additional Costs. The current costs are for monies the County has already spent or is currently under contract to spend and the estimated Additional Costs are for items not yet under contract. We have included a 10% contingency on the Additional Costs items that are related to construction. We have not noted any utility conflicts to date, so that item has been adjusted to reflect no cost.



INNOVATIVE IDEAS
EXCEPTIONAL DESIGN
UNMATCHED CLIENT SERVICE

Shar-Cal Bridge Replacement
Final Bridge Replacement Plans – For Review
Page 2 of 2

Current Costs

Existing Bridge Removal:	\$ 35,000
Hydraulic Analysis:	\$ 9,000
Survey:	\$ 5,416
Geotechnical Exploration:	\$ 6,000
Preliminary Engineering:	\$ 8,600
<u>Final Design:</u>	<u>\$ 56,500</u>
Current Costs Total:	\$120,516

Additional Costs

94.5' Single-Span Box Beam Bridge:	\$357,000
Approach Roadway:	\$ 32,500
Construction Administration/Observation:	\$ 25,000
Mobilization/Demobilization:	\$ 19,500
Right of Way:	\$ 10,000
Utilities Relocation:	\$ 0,000
<u>10% Contingency:</u>	<u>\$ 41,000</u>
Total Additional Costs:	\$485,000

Total Estimated Replacement Costs: \$120,516 + \$485,000 = \$605,516

After you have had a chance to review, please let me know of any comments and/or concerns that you may have. We can discuss via phone or we can set up a meeting time where I can come and discuss the project. I will follow up next week. If you have any questions or require any additional information before that time, please feel free to contact our office.

We appreciate the opportunity to perform this service for you.

Sincerely,

A. Shea Porter, P.E.
Project Manager

Enclosures (1): Approach Roadway and Bridge Replacement Plans

CC: Shawn Miller (DLZ)
File