



Dye Store Road, North Bridge over Sugar Creek

BID ADDENDUM

**Addendum #1
November 21, 2013**

**** Bid Closing Date, Time & Place Remains Unchanged: Wednesday
November 27, 2013, 9:45am Local Time, County Clerk's Office, Room #116****

Bidders shall note these changes to the above referenced bid and incorporate them in their submittal. **Bidders shall attach a signed copy of this addendum to their bid.** No questions were received in written form by Platte County Public Works. This addendum consists of the Pre-Bid Meeting Minutes and points of clarification:

1. See attached minutes of the Pre-Bid Meeting held November 19, 2013 at 10:00am in the Room #211 of the Platte County Administrative Building.
2. See revised Page 53 of the Specification Book (here attached), **General Provisions, Item C – Proposal Guaranty**. The Bid Bond amount has been changed from 5% to 10% to be in compliance with Missouri State Statute.
3. Plan **Sheet 9 of 25** shall be replaced with the new sheet here attached. A note has been added under the Estimated Quantities Table making all bidders aware that lead based paint was found on the existing bridge structure and directing them to the Job Special Provisions section of the specifications for further information.

ACKNOWLEDGEMENT OF ADDENDUM #1

The undersigned Bidder hereby certifies that the changes set forth in this Addendum No. 1 have been incorporated in their bid.

Firm _____ Date _____

Signed _____



PRE-BID MEETING MINUTES
DYE STORE ROAD, NORTH BRIDGE over SUGAR CREEK
Federal Project No. BRO B083 (24)

November 19, 2013 10:00 am

1. Welcome and Introductions (Meeting convened at approximately 10:04am)
 - a. Platte County – Owner (Bob Heim is the point of contact and will be on site daily.)
 - b. GBA – Engineer (Jon Karst is the point of contact and will be on site periodically to perform critical inspections, project review, etc.)
 - c. MoDOT – (Dave Luther is the Construction Liaison and will be on site occasionally to inspect the project progress and compliance with the BRO guidelines.)

2. Project Overview (Jon Karst reviewed the project noting that the substructure is steel pilings, corrugated metal backwall, and steel girders. Superstructure is a typical concrete deck and concrete barrier rail. Testing of the existing structure for asbestos containing materials and lead based paint was performed. Results were negative for asbestos and positive for lead based paint. It will be the responsibility of the contractor to properly remove and dispose all materials with lead based paint present. See the specification Page 63, Item JSP 5.0 and the test report located in Appendix A for further information. It was discovered during the meeting that **Sheet 9 of 25** of the distributed plans is incorrect and does not contain the note directing bidders to the Job Special Provisions addressing the presence of lead paint on this project. An addendum will be issued that contains the correct **Sheet 9 of 25**.)
 - a. Pre-Boring for steel pilings (Pre-boring will be required for all steel piling locations at this project site.)

3. Specifications
 - a. Bid Date, Time & Location (Bids are due November 27, 2013, at 9:45am in the Clerk's Office (Room #116) of the Platte County Administrative Building. Bids will then be opened at 10:00am in Room #211 of the same building.)
 - b. Proposal Forms and Bid Bond (Bids shall be on the forms provided in the specification book. Bid bond shall be for 10% of the bid total. An addendum will be issued to amend the incorrectly stated 5% bid bond amount noted on Page 53, Item C.)
 - c. Final Checklist Before Submitting Bid (Contractors are encouraged to review this list on Page 7 of the specifications very carefully and be sure to submit all bid information as noted. The County and MoDOT will review all bids to see that these criteria are met and if not, it can be grounds for rejection of the bid.)
 - i. E-verify Form and MOU Form (These are two separate forms and both must be submitted in order for you bid to be considered responsive.)
 - ii. Pre-Qualification (Contractors must be on the MoDOT Prequalified list. See note 1 of the Final Checklist.)
 - d. Time of Completion – 60 Working Days (This project will have a Delayed Notice to Proceed with a start date of March 17, 2014 and the completion date based on 60 working days will be June 9, 2014.)
 - e. Liquidated Damages - \$700.00/Day (No further discussion.)
 - f. BRO Program (This project is subject to all BRO guidelines.)
 - g. Buy America (All steel items including but not limited to pilings, girders, misc. steel, corrugated steel backwall, and associated coatings are subject to the Buy America Act.)



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- h. OSHA Ten Hour Training (The contractor shall provide copies of training cards, for their core labor crew and subcontractor labor crews, to the County prior to starting work on site. Should additional labor be added to the project at a later time, the contractor shall forward a copy of the employee training cards to the County.)
 - i. DBE Participation
 - i. Forms due on or before 4:00pm of the third business day after the bid opening (The Thanksgiving Holiday falls on the day after the bid opening, as well as, County offices will be closed on the following Friday. Therefore these forms will be due by 4:00pm Wednesday, December 4, 2013.)
 - ii. Goal – 5% Participation (No further discussion.)
 - j. Questions - submit no later than 2:00pm Wednesday, November 20, 2013 (No further discussion.)
4. Road Closing, Traffic Control, and Staging Area
- a. Road Closure/Traffic Control Signing – Maintained at all times (It will be the responsibility of the contractor to maintain these signs for the duration of the project.)
 - b. Local use access – Local property owner driveway access - no thru traffic (Resident driveway or field entrances shall not be blocked by the contractor at anytime for the project duration.)
 - c. Construction access – Dye Store Road only (No further discussion.)
 - d. Staging - Inside the easement area (Should the contractor need additional storage space outside of the project easement, it will be their responsibility to make a deal with the adjacent landowners as necessary.)
5. Right-of-Way, Easements and Utilities (Phone numbers for utility companies with services in the project area are listed on the Title Sheet of the drawings.)
- a. Public Maintenance & Temporary Construction Easements (Contractor shall keep all operations inside the bounds of the temporary construction easement. If it is necessary to go outside of the easement it will be the responsibility of the contractor to make a deal with the adjacent landowner.)
 - b. Electric – Platte-Clay has power lines in the area, but not within the project easement. (No Further discussion.)
 - c. Telephone – AT&T has phone lines in the area, but not within the project easement. (No Further discussion.)
 - d. Water – None (No Further discussion.)
 - e. Gas – None (No Further discussion.)
 - f. Utility locates – responsibility of the contractor (Even with the above information, it shall be the responsibility of the contractor to have utility locates performed prior to digging.)
6. Earthwork/Borrow Site – Environmental Clearance from DNR (Based on the earth quantities required for this project as shown in the Recapitulation of Quantities table, borrow should not be necessary for this project. However, if it becomes necessary at anytime to bring in borrow to the site it will be the responsibility of the contractor to gain clearance from DNR for the borrow site.)



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7. Permits – Appendix A (Permits can be located in the back of the specification book under Appendix A.)
8. Testing and Inspections
 - a. Engineer shall be responsible for pile driving, reinforcing steel placement, soil testing, all concrete operations, and girder erection. (Contractor to provide a minimum 24 hour notice prior the time an inspection will be needed.)
9. Annual Wage Order No. 20 (All labor costs for this project are to be based on Annual Wage Order No. 20.)
10. Tax Exemption (The County will provide the successful bidder with a tax exemption certificate for purchasing of materials to be incorporated into the project.)
11. Preliminary Contract Matters
 - a. Bonds, Insurance, Contract & Bid Award (County requests the first and second low bidders to notify their bonding/insurance companies of their status so that paper work may be expedited once the bid is awarded.)
 - b. Pre-Con Meeting , NTP, Schedules & Submittals (As mentioned above this project will have a delayed notice to proceed of March 17, 2014, at which time the working day clock begins to tick. However, if the weather prior to this date looks like it will be favorable, the contractor may make a request to the County to begin work ahead of the start date. If work is performed earlier than the start date, these days will not count against the 60 working days scheduled for this project.)
 - c. Supervision – daily (Anytime there is a labor crew on the project, the contractor shall have a supervisor on site to manage these workers.)
 - d. Safety – submit plan for approval (Either a written plan on paper or a copy of the plan on DVD should be filed with the County prior to work commencing. Hardhats shall be worn at all times when there is activity overhead (i.e. Working around a track hoe, crane, or working below other work activities, etc.). As well, safety vest/shirts and steel toed footwear shall be worn at all times.)
12. Questions and Discussion
 - a. Please clarify location of rock fill, ditch liner, and bedding materials. (See legend on Sheet 6 of the plans.)
 - b. Who will review shop drawings or submittals? (These items will be reviewed by the engineer. Submittals can either be made electronically or in paper form (minimum of four copies) to Bob Heim at the County and he will then forward them to the engineer for review.)
 - c. Can concrete barrier at each side of the bridge be slip-formed. (Yes, see Sheets 16, 17, & 18 of the plans for details and notes.)
 - d. Is the roadway on each side of the bridge gravel? (Yes and it will go back as an aggregate surface.)



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- e. Will this project start at the same time as the Dye Store Bridge over Bear Creek? (Yes, both projects on this roadway will be constructed simultaneously. As these structures are approximately 3.5 miles apart with alternate ways around each bridge, the County has elected to construct both projects at the same time minimizing the time traffic is disrupted on this roadway.)

13. Closing Comments (Meeting Adjourned at approximately 10:40am)

A. GOVERNING SPECIFICATIONS AND DEFINITION CHANGES

1.0 The general requirements, provisions, and technical specifications, governing the completion of the work contemplated, shall be the "Missouri Standard Specifications for Highway Construction, 2011"; (hereinafter referred to as the MoDOT Standard Specifications) for the bridge and insurance requirements, together with the General and Job Special Provisions, and other State and Federal requirements contained in the contract documents. **The Job General and Special Provisions, and the Plans shall take precedence over all other documents whenever any disagreement exists.**

1.1 Contract Form, Contract Bond, and Contractor's Acknowledgments will be in identical form to those contained therein.

1.2 All reference to the "Commission" made in the MoDOT Standard Specifications shall be interpreted as the County Commission. All reference to the "Engineer" made in the above standard specifications shall be interpreted as the Presiding Commissioner or his designated representatives. All reference to the "State" made in the above standard specifications shall be interpreted as the County.

1.3 References to the MoDOT Standard Specifications will be called out using only the Section number with no individual direct reference to the MoDOT Standard Specifications in the Plans and General and Job Special Provisions.

B. NOTICE OF LETTING

1.0 After the date is fixed for the receipt of bids, the County may, in addition to the notice required by law, give notice of such date by mail directly to those Contractors known to the County as being engaged in the type of construction to be bid.

C. PROPOSAL GUARANTY

1.0 A bidder's deposit in cash or certified check payable to the County, for not less than 10% of the amount of the bid, or by a bid bond, will be required before a proposal will be considered.

D. INSPECTION OF WORK

1.0 On this project the resident engineers will be County personnel or other authorized representatives designated by the County Commission.

1.1 All materials and each part of, or detail of, the work shall be subject to inspection by the Engineer, his authorized representatives and officials of other State or Federal government agencies having jurisdiction over the work or funding of the project. This shall specifically include representatives of the Missouri Department of Transportation (MoDOT) and the Federal Highway Administration (FHWA).

1.2 Access to all parts of the work shall be furnished with such information and assistance by the Contractor, as is required to make a complete and detailed inspection. In lieu of inspection and testing, the

General Notes:

Design Specifications:
2002 - AASHTO 17th Edition
Load Factor Design
Seismic Performance Category A

Design Loading:
HS20-44
35#/sq. ft. Future Wearing Surface
Earth - 120#/cu. ft.
Equivalent Fluid Pressure = 70#/cu. ft.

Design Unit Stresses:
Class B-1 Concrete (Safety Barrier Curb) f'c = 4,000 psi
Class B-2 Concrete (Superstructure except Safety Barrier Curb) f'c = 4,000 psi
Reinforcing Steel (Grade 60) fy = 60,000 psi
Structural Steel (ASTM A709 Grade 50) fy = 50,000 psi
Structural Steel (ASTM A709 Grade 50W) fy = 50,000 psi
Steel Pile (ASTM A709 Grade 50) fy = 50,000 psi
Corrugated Steel Backwall (ASTM A653 Grade 50, Class 1) fy = 50,000 psi
fs = 33,000 psi
For Precast Prestressed Panel Stresses, see Sheet No. 15.

Construction Specifications:
Missouri Standard Specifications for Highway Construction, 2011 and Supplemental Revisions, unless otherwise noted.

Fabricated Steel Connections:
Field connections shall be made with 3/4" diameter high strength bolts and 13/16" diameter holes, except as noted.

Joint Filler:
All Joint Filler shall be in accordance with Sec 1057 for preformed sponge rubber expansion and partition joint filler, except as noted.

Reinforcing Steel:
Minimum clearance to reinforcing steel shall be 1-1/2", unless otherwise shown.

Structural Steel Protective Coatings:
Protective Coating: System H in accordance with Sec 1081.

Portions of the structural steel embedded in or in contact with concrete, including but not limited to the top flange of girders, shall be coated with not less than 2.0 mils of the prime coat for System H.

Prime Coat: The prime coat shall be applied in the fabrication shop. The cost of the prime coat will be considered completely covered by the contract unit price for the Fabricated Structural Low Alloy Steel (I-Beam) A709 Grade 50W.

Miscellaneous:
"Sec" refers to the sections in the construction specification noted above unless specified otherwise.

Contractor shall submit Material Certificates, and a Bill of Reinforcing to Platte County Public Works for approval prior to proceeding with the work.

Traffic Handling:
Structure to be closed during construction. See Roadway Plans for traffic control.

Dimensions:
All longitudinal dimensions are horizontal.
Drawings are not to scale, follow dimensions.

Pile Data			
Bent No.	1	2	
Pile Type & Size	HP14x73	HP14x73	
Number	13	13	
Approximate Length ** Ft.	24	21	
Design Bearing Tons	53	53	
Hammer Energy Req'd. Ft.-Lbs.	12,000	12,000	

Minimum energy requirement of hammer is based on plan length and design bearing value of piles.

All piles shall be driven to practical refusal.

Manufactured pile point reinforcement shall be used on all piles in this structure.

Prebore for piles at End Bent No.2 to elevation 928.0'. Prebore is required based on boring log data showing top of shale at approx. elev. 938.0', and minimum embedment criteria. A test pile may be driven, at the contractor's expense, to test whether the pile can be driven to elev. 928.0' without damaging the pile. If the test pile is driven to elev. 928.0', without damage, the prebore may be eliminated, at the approval of the Engineer. The use of a test pile as a permanent pile is at the discretion of the Engineer.

** Estimated average length of pile. Pile lengths vary across the wings.

Estimated Quantities				
Item		Substr.	Supstr.	Total
** Removal of Bridges	lump sum			1
Structural Steel Piles (14 in.)	linear foot	585		585
Pile Point Reinforcement	each	26		26
Pre-Bore for Piling	linear foot	130		130
Slab on Steel	sq. yard		155	155
* Safety Barrier Curb	linear foot		104	104
Fabricated Structural Low Alloy Steel (I-Beam) A709 Grade 50W	pound		31,100	31,100
Fabricated Structural Low Alloy Steel (Misc.)	pound	8,390		8,390
Corrugated Steel Backwall	sq. feet	1,829		1,829

* Safety barrier curb shall be cast-in-place option or slip-form option.

** Lead-based paint has been found on steel members; see Job Special Provisions.

Excavation is considered completely covered by the contract unit price for Corrugated Steel Backwall and is not paid for directly.

Estimated Quantities for Slab on Steel		
Item		Total
Class B-2 Concrete	Cubic Yard	29.2
Reinforcing Steel (Epoxy Coated)	Pound	6,660

The Table of Estimated Quantities for the Slab on Steel represents the quantities used in preparing the cost estimate for concrete slabs. The area of the concrete slab will be measured to the nearest square yard with the horizontal dimensions as shown in these plans. Payment for prestressed panels, conventional forms, all concrete and coated and uncoated reinforcing steel will be considered completely covered by the contract unit price for the slab. Variations may be encountered in the estimated quantities but the variations cannot be used for adjustment in the contract unit price.

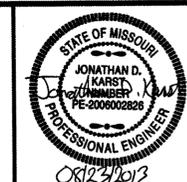
Method of forming the slabs shall be as shown on the plans and in accordance with Sec. 703. All hardware for forming the slab to be left in place as a permanent part of the structure shall be coated in accordance with ASTM A123 or ASTM B633 with a thickness class SC 4 and a finish type I, II or III.

The prestressed panel quantities are not included in the table of Estimated Quantities for Slab on Steel.

HYDROLOGIC DATA	
Drainage Area = 1.7 (sq. mi.)	
Backwater/Base Flood Data (100 year)	
High Water Elev. =	944.7
Design Discharge =	2300 (cfs)
Estimated Backwater =	0.4 (ft)
Average Velocity thru Opening =	6.0 (ft/s)
FREEBOARD	
Design Frequency =	25 (year)
Design Discharge =	1630 (cfs)
Freeboard =	2.0 (ft)
Design High Water (DHW) Elev. =	943.6
ROADWAY OVERTOPPING DATA	
Design Frequency =	>100 (year)

NOTICE AND DISCLAIMER REGARDING BORING LOG DATA
The locations of all subsurface borings for this structure are shown on the bridge plan sheet for this structure. The boring data for all locations indicated, as well as any other boring logs or other factual records of subsurface data and investigations performed by the County for the design of the project, is available from the Platte County Public Works office.

The County does not represent or warrant that any such boring data accurately depicts the conditions to be encountered in constructing this project. A contractor assumes all risks it may encounter in basing its bid prices, time or schedule of performance on the boring data available from the Platte County Public Works office, or on any other documentation not expressly warranted, which the contractor may obtain from the County.



JONATHAN D. KARST
PROFESSIONAL ENGINEER
PE-2006002826

SHEET NO. 9 TOTAL SHEETS 25

YEAR 2012

PROJECT NO. BRO-B083(24)

PLATTE COUNTY, MISSOURI
DYE STORE ROAD BRIDGE
REPLACEMENT OVER S. SUGAR
CREEK (BR. NO. 02900041)

DESCRIPTION	DATE

GENERAL NOTES
& ESTIMATED
QUANTITIES

GBA
architects
engineers
9801 Renner Boulevard
Lenexa, Kansas 66219
913.492.0400
www.gbateam.com
GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 00212
LANDSCAPE ARCHITECT 000025
PRO. LAND SURVEYOR 000059