



Shelby County Government

MARK H. LUTTRELL, JR.
MAYOR

April 5, 2013

TO ALL BIDDERS:

RE: **Addendum No. 2 to SBI # I-000204**
Raleigh Millington Road Bridge Project

Please note the following revisions and clarifications to the above referenced project:

Question 1: Is the contract time sufficient to complete the project in time due to river flooding?

Answer: The contract time has been changed from **730** calendar days to **910** calendar days.

Question 2: Items 705-04.50 Portable Barrier Rail Delineator and 712-04.50 Portable Barrier Rail Delineator are a duplication of the same item.

Answer: Item No. 705-04.50 Portable Barrier Rail Delineator – Remove from the plans (Sheet 2A) and Bid Form.

Sheet 18A – Change Item No. 705-04.50 Portable Barrier Rail Delineator to Item No. 712-04.50 Portable Barrier Rail Delineator.

Question 3: The quantity for Item 712-09.01 Removable Pavement Marking Line is grossly incorrect.

Answer: Item No. 712-09.01 Removable Pavement Marking Line – Remove from the plans (Sheets 2A and 18A) and Bid Form.

Item No. 716-08.20 Removal of Pavement Marking (Line) – Change quantity to 4.6 L.M. (Sheets 2A and 18A) and on the bid form.

Question 4: The units for Item 606-22.16 Load Testing should be EACH instead of LF.

Answer: Item No. 606-22.16 Load Testing (Steel Pipe Piles, 24 In.) – change to EACH on the Bid Form; the unit is correct in the plans.

Question 5: We would like to look at the cores taken from the bores at the bridge site. Could you let me know when and where we could examine these cores?

Answer: Burns, Colley, and Dennis, Inc. (5263 Mendenhall Park Place, Memphis TN) have geotechnical core samples available for inspection. Please contact Mr. Al Marioni at 901-375-4474 to schedule a time to inspect the core samples.

Question 6: Footnote #25 on Estimated Roadway Quantities (sheet 2A) refers to Special Provision 205A. I can find no such Special Provision in the bid documents.

Answer: See attached. This special provision is also located at www.tdot.state.tn.us/construction/special_provision.htm.

Question 7: Will the 24" Pipe Test Pile need to be filled with concrete prior to loading, or will the pile be loaded as driven (unfilled)?

Answer: The load test for the 24-inch steel pipe test pile shall be completed on an unfilled pile. This is alluded to in the General Notes (Sheet No. 47) in the note on the Friction Piles where it states..."full load test on the unfilled steel pipe pile near Bent 1 shall not exceed 700 tons." At the completion of all tests, this test pile shall be cut off 2 feet below ground. The steel pipe test pile is not a production pile and there is no need to fill it with concrete.

Question 8: The quantity of concrete for the collars around the 24" pipe piles is not included in the bid quantity for item 604-03.01. Is this the item under which they will be paid?

Answer: Yes, the concrete quantity for these collars would be paid for under Item No. 604-03.01 Class "A" Concrete (Bridges). Add 48 CY on the bid form to the overall total for this item, for a new total of 1,088 CY.

Question 9: There is no quantity for haul roads and they are not shown in the plans (neither route nor typical section). Are they tied to the permitting?

Answer: The haul roads are to be treated as incidental to construction, so the cost shall be included in other items. They were considered during design when setting the construction limits and locating the stream crossings. They are to remain within the construction limits, therefore they are covered by the permitting.

Question 10: In the General Conditions, Section 8.07, it appears that the calculation for liquidated damages for a project of this size will not be sufficient.

Answer: Using the table provided in the General Conditions, Section 8.07, liquidated damages shall be \$5,100 per day.

Question 11: Can Shelby County Government provide a digital spreadsheet with the bid items for the contractor to use when submitting our bids?

Answer: A digital spreadsheet will be posted on the Shelby County Government's website with the bid items to be used by the contractor. A hard copy of the revised bid items is attached.

Sincerely,



James M. Crook E.I.

Shelby County Roads, Bridges & Engineering Department

Cc: Darren Sanders, P.E.
Nelson Fowler
File

BID FORM REVISED-ADDENDUM #2 – 4/8/2013

RALEIGH MILLINGTON ROAD BRIDGE PROJECT

RALEIGH MILLINGTON ROAD BRIDGE – ESTIMATED ROADWAY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
105-01	Construction Stakes, Lines & Grades	LS	1		
201-01	Clearing and Grubbing	LS	1		
202-01	Removal of Structures & Obstructions	LS	1		
203-06	Water	M.G.	798		
203-07	Furnishing & Spreading Topsoil	C.Y.	100		
203-10	Embankment (Compacted In Place)	C.Y.	40,433		
209-05	Sediment Removal	C.Y.	2,000		
209-08.02	Temporary Silt Fence (With Backing)	L.F.	15,317		
209-08.03	Temporary Silt Fence (Without Backing)	L.F.	160		
209-08.07	Rock Check Dam PER	EACH	9		
209-08.08	Enhanced Rock Check Dam	EACH	5		
209-09.04	Sediment Filter Bag(15' X 10')	EACH	6		
209-09.40	Curb Inlet Protection (Type1)	EACH	16		
209-09.42	Curb Inlet Protection (Type 3)	EACH	2		
209-40.41	Catch Basin Filter Assembly (Type 1)	EACH	9		
209-40.46	Catch Basin Filter Assembly (Type 6)	EACH	7		
303-01	Mineral Aggregate, Type A Base, Grading D	TON	427		
303-10.01	Mineral Aggregate (Size 57)	TON	145		
307-01.01	Asphalt Concrete Mix (PG64-22) (BPMB-HM) Grading A	TON	102		
307-01.08	Asphalt Concrete Mix (PG64-22) (BPMB-HM) Grading B-M2	TON	120		
307-02.01	Asphalt Concrete Mix (PG70-22) (BPMB-HM) Grading A	TON	2,409		
307-02.02	Asphalt Cement (PG70-22)(BPMB-HM) Grading A-S	TON	61		
307-02.03	Aggregate (BPMB-HM) Grading A-S Mix	TON	1,824		
307-02.08	Asphalt Concrete Mix (PG70-22) (BPMB-HM) Grading B-M2	TON	1,578		
309-01.01	Mineral Aggregate (A-CBC)	TON	3,993		
309-01.02	Portland Cement (A-CBC)	TON	154		
402-01	Bituminous Material For Prime Coat (PC)	TON	22		
402-02	Aggregate For Cover Material (PC)	TON	80		
403-01	Bituminous Material For Tack Coat (TC)	TON	18		
411-01.10	ACS MIX(PG64-22) Grading D	TON	130		
411-02.10	ACS MIX(PG70-22) Grading D	TON	925		
411-12.01	Scoring Shoulders (Continuous) 16-in Width)	LM	0.08		
604-01.01	CLASS A Concrete (Roadway)	C.Y.	48		
604-01.02	Steel Bar Reinforcement (Roadway)	LB.	2,409		
606-24.10	Sheet Piles	S.F.	1,000		
606-24.12	Temporary Sheet Piles	S.F.	1,370		
607-02.02	15" Concrete Pipe Culvert (Class III)	L.F.	36		
607-03.02	18" Concrete Pipe Culvert (Class III)	L.F.	1667		
611-12.02	Catch Basins, Type 12, > 4' - 8' Depth	EACH	8		
611-12.03	Catch Basins, Type 12, > 8' - 12' Depth	EACH	1		
611-14.02	Catch Basins, Type 14, > 4' - 8' Depth	EACH	5		
611-14.03	Catch Basins, Type 14, > 8' - 12' Depth	EACH	1		

RALEIGH MILLINGTON ROAD BRIDGE – ESTIMATED ROADWAY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
611-01.02	Manholes, > 4'-8' Depth	EACH	1		
611-01.04	Manholes, > 12'-16' Depth	EACH	1		
611-07.02	Steel Bar Reinforcement (Pipe Endwalls)	LB.	461		
611-07.01	Class A Concrete (Pipe Endwalls)	C.Y.	5		
611-09.01	Adjustment Of Existing Catch Basin	EACH	1		
621-03.09	60" Temporary Drainage Pipe	L.F.	184		
702-03	Concrete Combined Curb & Gutter	C.Y.	310		
703-01	Cement Concrete Ditch Lining	C.Y.	29		
705-01.01	Guardrail at Bridge Ends	L.F.	108		
705-02.02	Single Guardrail (Type 2)	L.F.	2,348		
705-04.05	Guardrail Terminal (Type-In-Line)	EACH	2		
705-04.07	Tan Energy Absorbing Term (NCHRP 350, TL3)	EACH	3		
705-08.51	Portable Impact Attenuator NCHRP350 TL-3	EACH	4		
707-08.11	High-Visibility Construction Fence	L.F.	3,170		
709-05.05	Machined Rip-Rap (CLASS A-3)	TON	200		
709-05.06	Machined Rip-Rap (CLASS A-1)	TON	484		
709-05.08	Machined Rip-Rap (CLASS B)	TON	706		
709-05.09	Machined Rip-Rap (CLASS C)	TON	3,731		
710-02	Aggregate Underdrains (With Pipe)	L.F.	3,880		
710-05	Lateral Underdrain	L.F.	360		
710-06.11	Lateral Underdrain Endwall (2:1)	EACH	2		
710-06.12	Lateral Underdrain Endwall (3:1)	EACH	12		
710-06.13	Lateral Underdrain Endwall (4:1)	EACH	6		
712-01	Traffic Control	LS	1		
712-02.02	Interconnected Portable Barrier Rail	L.F.	3,604		
712-04.01	Flexible Drums (Channelizing)	EACH	241		
712-04.50	Portable Barrier Rail Delineator	EACH	170		
712-05.01	Warning Lights (Type A)	EACH	87		
712-05.03	Warning Lights (Type C)	EACH	154		
712-06	Signs (Construction)	S.F.	320		
712-08.03	Arrow Board (Type C)	EACH	4		
713-02.14	Flexible Delineator (White)	EACH	24		
713-15	Removal Of Signs, Posts And Footings	LS	1		
713-16.20	Signs (Memphis City Limits)	EACH	1		
713-16.21	Signs (Bicycles Symbol)	EACH	2		
713-16.22	Signs (Share The Road)	EACH	2		
713-16.23	Signs (Bike Lane)	EACH	8		
713-16.24	Signs (Ahead - Bike Lane)	EACH	2		
713-16.25	Signs (End - Bike Lane)	EACH	2		
713-16.26	Signs (Speed Limit 45 MPH)	EACH	2		
713-16.27	Signs (Right Lane Ends)	EACH	1		
713-16.28	Signs (Lane Ends)	EACH	1		
716-01.11	Raised Pvmt Markers (Bi-Directional) (1 Color Lens)	EACH	61		
716-01.12	Raised Pvmt Markers (Mono-Directional) (1 Color Lens)	EACH	87		
716-04.03	Plastic Pavement Marking (4" Dotted Line)	L.F.	50		
716-02.04	Plastic Pavement Marking (Channelization Striping)	S.Y.	264		
716-04.04	Plastic Pavement Marking (Transverse Shoulder)	L.F.	2,000		

RALEIGH MILLINGTON ROAD BRIDGE – ESTIMATED ROADWAY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
716-04.11	Plastic Pavement Marking (Bicycle Symbol w/Rider)	EACH	4		
716-04.13	Plastic Pavement Marking (Bike Lane Arrow)	EACH	4		
716-05.01	Painted Pavement Marking (4" Line)	L.M.	4.25		
716-08.20	Removal Of Pavement Marking (Line)	L.M.	4.6		
716-13.06	Spray Thermo Pvmt Mrkng (40 mil) (4In Line)	L.M.	2.3		
716-13.07	Spray Thermo Pvmt Mrkng (40 mil) (6In Line)	L.M.	3.2		
716-13.08	Spray Thermo Pvmt Mrkng (40 mil) (8In Barrier Line)	L.F.	3,270		
717-01	Mobilization	LS	1		
740-07.02	Geogrid Reinforcement (Soil Slopes)	S.Y.	315		
740-10.03	Geotextile (Type III)(Erosion Control)	S.Y.	1,398		
740-11.03	Temporary Sediment Tube 18In (Mulch Sock)	L.F.	2,096		
801-01	Seeding (With Mulch)	UNIT	133		
801-01.07	Temporary Seeding (With Mulch)	UNIT	126		
801-03	Water (Seeding & Sodding)	M.G.	22		
802-11.16	Fraxinus Pennsylvanica (Green Ash 2-5ft Cntr Grwn)	EACH	18		
802-11.33	Quercus Michauxii (SWMP Chstnt Oak 2-5ft Cntr Grwn)	EACH	35		
802-11.36	Quercus Nuttallii (Nuttall Oak 2-5ft Cntr Grwn)	EACH	35		
802-11.38	Quercus Phellos (Willow Oak 2-5ft Cntr Grwn)	EACH	35		
802-11.42	Taxodium Distichum (Bald Cypress 2-5ft Cntr Grwn)	EACH	18		
802-11.46	Quercus Shumardii (Shumard Oak 2-5 ft Cntr Grwn)	EACH	35		
802-12.16	Fraxinus Pennsylvanica (Green Ash Seedling B.R.)	EACH	25		
802-12.33	Quercus Michauxii (SWMP Chstnut Oak Seedling B.R.)	EACH	48		
802-12.36	Quercus Nuttallii (Nuttall Oak Seedling B.R.)	EACH	48		
802-12.38	Quercus Phellos (Willow Oak Seedling B.R.)	EACH	48		
802-12.42	Taxodium Distichum (Bald Cypress Seedling B.R.)	EACH	25		
802-12.46	Quercus Shumardii (Shumard Oak Seedling B.R.)	EACH	48		
803-01	Sodding (New Sod)	S.Y.	200		
805-12.02	Erosion Control Blanket (Type II)	S.Y.	118		
920-11	14" Ductile Iron Force Main	L.F.	102		
920-12	14" Ductile Iron Force Main (Directional Bore)	L.F.	187		
920-13	Concrete Encasement	L.F.	20		

RALEIGH MILLINGTON ROAD BRIDGE – ESTIMATED BRIDGE QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
202-04.01	Removal of Structures	LS	1		
204-02.01	Dry Excavation (Bridges)	CY	184		
303-01.02	Granular Backfill (Bridges)	TON	70		
604-02.03	Epoxy Coated Reinforcing Steel	LB	577,459		
604-03.01	Class A Concrete (Bridges)	CY	1,088		
604-03.02	Steel Bar Reinforcing (Bridges)	LB	540,772		
604-03.04	Pavement at Bridge Ends	SY	392		
604-03.09	Class D Concrete (Bridge Deck)	CY	2,082		
604-04.01	Applied Texture Finish	SY	4,349		
604-05.31	Bridge Deck Grooving (Mechanical)	SY	7,394		
606-04.01	Test Piles (Steel Piles 14-inch)	LF	205		
606-04.02	Loading Test (Steel Piles 14-inch)	EACH	2		
606-04.03	Steel Piles (Steel Piles 14-inch)	LF	3,700		
606-04.06	Pile Tips (Steel Piles 14-inch)	EACH	42		
606-22.13	Steel Pipe Piles (24-inch)	LF	9,595		
606-22.15	Test Piles (Steel Pipe Piles 24-inch)	LF	160		
606-22.16	Load Testing (Steel Pipe Piles 24-inch)	EACH	1		
606-22.17	Dynamic Monitoring (Steel Pipe Piles 24-inch)	EACH	5		
615-01.12	Prestressed Concrete Bulb Tee Beam (6" Web) (BT-72)	LF	8,150		
620-05.01	Concrete Parapet Single Slope (STD-1-1SS MODIFIED)	LF	1,904		
707-99.01	Wrought Iron Fence	LS	1		
710-09.01	6-inch Perforated Pipe with Vertical Drain System	LF	204		
710-09.02	6-inch Underdrain	LF	58		
712-12.47	Bridge Mounted Interconnected Portable Barrier Rail	LF	967		
				TOTAL	