



# Shelby County Government

MARK H. LUTTRELL, JR.  
MAYOR

April 28, 2015

TO ALL BIDDERS:

RE: **Addendum No. 2 to Sealed Bid # I-000319  
Shelby Farms Greenline Extension Project**

**IMPORTANT:** Please note that the acknowledgement of receipt of addendum form must be completed and included with your proposal. It is located in Addendum No. 1.

Please see the attached insertions/deletions/revisions to the specifications for Sealed Bid # I-000319, Shelby Farms Greenline Extension Project:

1. **Question:** The Greenline plans call for the City of Memphis Traffic Signal Fiber to be intercepted and a splice installed for the Greenline signal. It does not address where the slack is coming from, or size of fiber to determine number of splices. Can this please be addressed?

***Answer:*** *The existing fiber optic line on east side of Germantown Parkway includes a 36-fiber SMFO (single-mode fiber optic) trunkline cable and a 36-fiber SMFO distribution line communication cable. Both cables are enclosed by a single 2" conduit. Instead of intercepting the existing mainlines near the new traffic control cabinet, it is now intended that an existing Type "A" F.O. pull box north of the crossing be replaced with a Type "B" F.O. pull box - with new splice tray and splice enclosure, connecting a new 6-fiber drop cable with the existing 36-fiber distribution line, including fusion splicing of 4 fibers. (The existing 36-fiber trunkline cable will remain undisturbed). It is our understanding that there is enough slack available in the existing SMFO distribution cable from other pull boxes, north and south of the new splice enclosure.*

*It is also intended that the existing Type "A" pull box be salvaged and relocated near the new traffic control cabinet. The new 6-fiber drop cable will extend from the splice pull box to the relocated Type "A" pull box, and from said pull box to the new traffic control cabinet. Refer to Revisions section below for further information.*

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2. **Question:** Will the new traffic signal be coordinated with the existing traffic signals in the vicinity?

**Answer:** *Yes, that is the intent. The final signal timing will be provided by the City of Memphis; and the timing will coordinate with other existing signals on Germantown Parkway – especially Fischer Steel Rd./Walnut Run Rd. to the south and Macon Rd. to the north.*

3. **Question:** Pay item 611-02.10 includes a quantity of one Type 1 junction box. Where is this called out on the plans?

**Answer:** *It is not called out on the plans, but is intended to replace the existing headwall at the northwest quarter of the Appling Road crossing, where a new 18” RCP (drain pipe) will extend west from the junction box. Refer to drawing sheet SP402. The cost of removing the headwall shall be incidental to pay item 611-02.10.*

4. **Question:** There are some areas where the existing ballast along the former railroad is covered by dirt [ie. soil] and grass over the abandoned tracks. How much dirt [ie. soil] can be mixed in with the ballast?

**Answer:** *Vegetation and heavy organic soil should be removed and not mixed in with the existing ballast along the new trail. A minor amount of soil mixed in with the ballast might be acceptable if it does not compromise the strength and integrity of the new pavement section. This will probably need to be evaluated in the field during construction. The TDOT standard and supplementary specifications shall govern. The cost of removing vegetation and soil from the existing ballast, as required for installation of the new trail shall be included in Pay Item 201-01.*

5. **Question:** Pay item 730-12.08 includes a quantity for rigid conduit. Where is the rigid conduit called out on the plans?

**Answer:** *It was determined that this item was redundant with pay item 730-12.13 and not required. Refer to Revisions section below.*

6. **Question:** Will the “Metro signs” [overhead “Greenline” signs mounted on mast-arms at Germantown Parkway] be covered under pay item 713-13.02 or a separate pay item? Are these signs going to be single-sided or double-sided?

**Answer:** *The Type “D” overhead signs (reading “Greenline”) shown on Drawing sheet TS101 are covered by pay item 713-13.02. These signs are also intended to be double-faced, ie. reading “Greenline” on each side. However, the measurement for payment shall only be on one face (the cost of the other face shall be incidental).*

7. On the Bid Form for Item 730-03.25: Change description to “Install Pull Box (Fiber Optic - Type B with Splice Enclosure)”.
8. On the Bid Form, delete Item 730-08.40 (Remove and Install Fiber Optic Cable) in its entirety.
9. On the Bid Form, delete Items 730-12.08 (2” RGS Conduit) in its entirety.
10. Refer to Drawings. Replace Sheet SP105 with attached Sheet SP105 (30”x42”).
11. Refer to Drawings, Sheet TS101. Revise fiber optic layout as shown on attached Drawing AD-1 (8.5”x11”); and add General Notes 24 and 25 to read as follows:
  24. All fiber optic cable used shall meet current City of Memphis material, performance and testing specifications. Contractor shall refer to current version of TDOT standard drawings for fiber optic cable installation.
  25. The Contractor is required to have an approved and qualified technician from the fiber optic manufacturer or supplier available to be on site during fiber installation and fiber splicing, as directed by the City of Memphis.
12. Refer to Drawings, Sheet G002, Estimated Project Quantities, Item 730-03.25: Change the description to “Install Pull Box (Fiber Optic - Type B with Splice Enclosure)” and add footnote # 7, to read as follows:

The cost of the following is incidental to pay item 730-03.25: Removal & relocation of existing Type “A” F.O. Pull Box; new 6-fiber F.O. drop cable in 2” conduit (direct burial or jack/bored); new splice tray and enclosure; all required F.O. cable splicing; traffic controller cabinet connections; and all other related labor, equipment and materials for the complete fiber optic installation.
13. Refer to Drawings, Sheet G002, Estimated Project Quantities: Delete Items 730-08.40 and 730-730-12.08 in their entirety.
14. Refer to Drawings, Sheet SD501, Detail 7 - Urban Boulders. Change the size of the boulders to 36" x 36" (plan view). The height of the boulders is unchanged. This affects special pay items 920-12.04 and 920-13.04.

15. A revised bid form is included in this addendum.

Sincerely,



James M. Crook E.I.

Shelby County Roads, Bridges & Engineering Department

Cc: Darren Sanders, P.E.

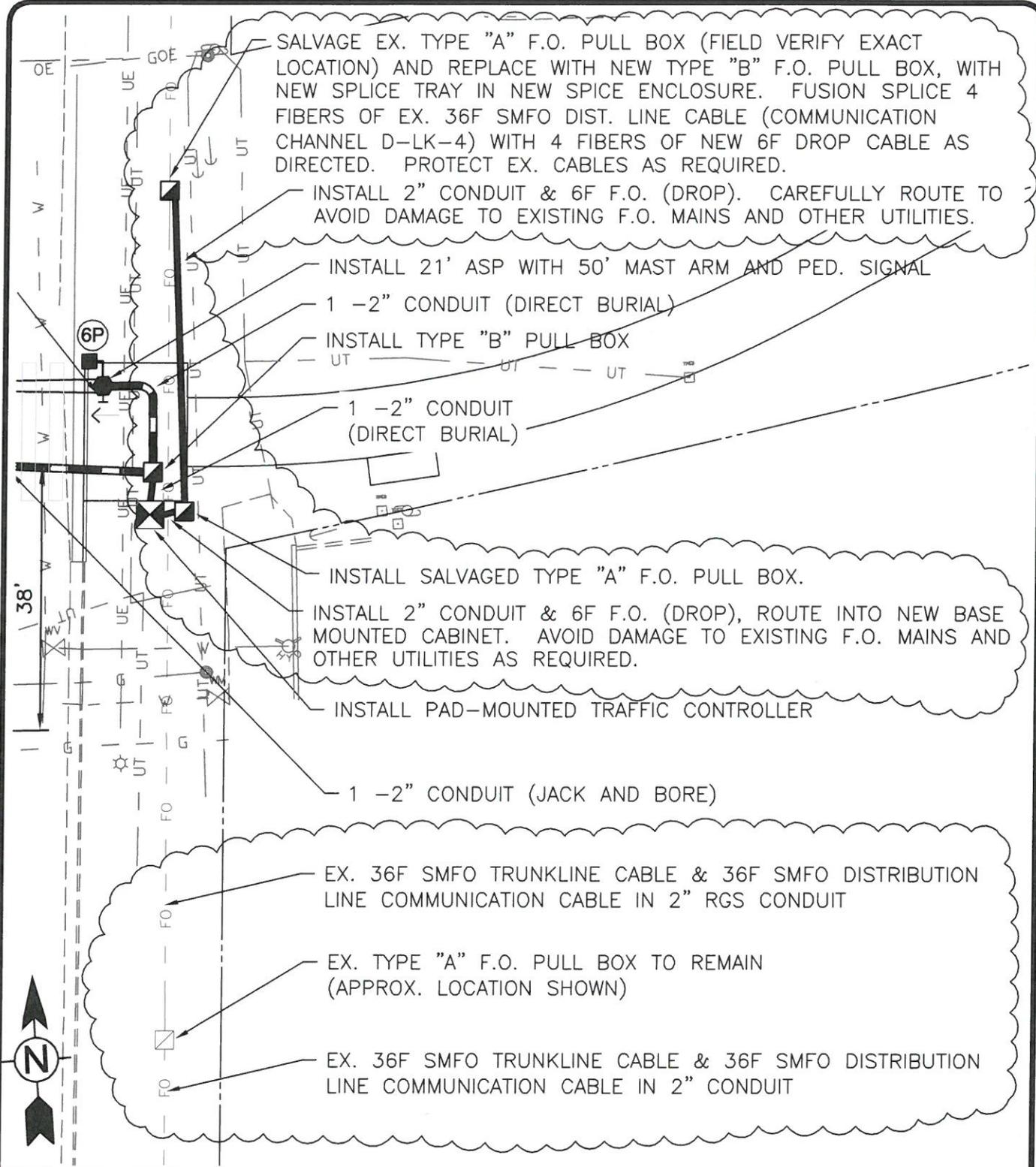
Nelson Fowler

BID FORM - ADDENDUM 2  
 SHELBY FARMS GREENLINE EXTENSION

ESTIMATED PROJECT QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	PROJECT 1 QUANTITY	PROJECT 2 QUANTITY	TOTAL QUANTITY	UNIT COST	PROJECT 1 COST	PROJECT 2 COST	TOTAL COST
105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1	1	2				
201-01	CLEARING AND GRUBBING	LS	1	1	2				
202-03.01	REMOVAL OF ASPHALT PAVEMENT	S.Y.	35	130	165				
202-08.10	REMOVAL OF CURB AND GUTTER (6-18 MEDIAN CURB)	L.F.	50	200	200				
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	50	50	100				
203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	50	50	100				
203-06	WATER	M.G.	1	1	2				
204-06.01	FLOWABLE FILL (GENERAL)	C.Y.	12	12	12				
209-05	SEDIMENT REMOVAL	C.Y.	20	5	25				
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	990	910	1900				
209-99.91	EROSION CONTROL	LS	1	1	2				
407-20.05	SAW CUTTING ASPHALT PAVEMENT	L.F.	65	365	430				
411-01.11	ACS MIX (PG64-22) GRADING E RDWY	TON	2520.0	50.0	2570				
601-10.13	TREATED TIMBER PILE REPLACEMENT	L.F.	95	50	50				
601-10.14	TREATED TIMBER STRINGER REPLACEMENT (6" X 6")	L.F.	95	95	95				
601-10.15	TREATED TIMBER STRINGER REPLACEMENT (8" X 16")	L.F.	60	60	60				
601-10.16	TREATED TIMBER DECKING REPLACEMENT (8 1/2" X 8 1/2" TIES)	L.F.	1325	1325	1325				
601-10.17	TREATED TIMBER BALLAST RETAINER REPLACEMENT (5" X 8 1/2" TIES)	L.F.	154	154	154				
607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	30	30	30				
611-02.10	JUNCTION BOX, TYPE 1	EA	1	1	1				
611-07.31	18IN ENDWALL (SIDE DRAIN)	EA	1	1	1				
701-01.01	CONCRETE SIDEWALK (4')	S.F.	332	735	1067				
701-01.02	CONCRETE SIDEWALK (6')	S.F.	4225	600	4825				
702-03.01	CONCRETE COMBINED CURB AND GUTTER (6-18 MEDIAN CURB)	L.F.	185	185	185				
705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	50	50	50				
705-04.07	TANGENT ENERGY ABSORBING TERMINAL (NCHRP 350, TL3)	EA	2	2	2				
712-01	TRAFFIC CONTROL	LS	1	1	2				
713-11.01	U-SECTION STEEL POSTS	LBS.	2000	335	2335				
713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	346	67	413				
716-01.12	RAISED PVMT MARKERS (MONO-DIRECTIONAL) (1 COLOR LENS)	EA	210	210	210				
716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	117	80	197				
716-02.13	PLASTIC PAVEMENT MARKING (CROSSWALK)	S.F.	1232	920	2152				
716-04.10	PLASTIC PAVEMENT MARKING (HANDICAP SYMBOL)	EA	1	1	1				
716-05.08	PAINTED PAVEMENT MARKING (PARKING LINE)	L.F.	305	305	305				
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	480	480	480				
716-10.30	TRUNCATED DOME DETECTABLE WARNING MAT	S.F.	400	105	505				
716-13.01	SPRAY THERMO PVMT MRKNG (60 MIL) (4IN LINE)	L.M.	0.04	0.04	0.04				
717-01	MOBILIZATION	LS	1	1	2				
730-02.09	SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE)	EA	6	6	6				
730-03.21	INSTALL PULL BOX (TYPE B)	EA	4	4	4				
730-03.25	INSTALL PULL BOX (FIBER OPTIC-TYPE B with Splice Enclosure)	EA	1	1	1				
730-05.01	ELECTRICAL SERVICE CONNECTION	ALLOW	1	1	1				
730-05.02	SERVICE CABLE (2 CONDUCTOR, #8 AWG)	L.F.	105	105	105				
730-08.01	SIGNAL CABLE - 3 CONDUCTOR	L.F.	892	892	892				
730-08.02	SIGNAL CABLE - 5 CONDUCTOR	L.F.	535	535	535				





**TETRA TECH**

www.tetrattech.com

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SHELBY FARMS GREENLINE  
 EAST EXTENSION

**ADDENDUM #2**

REVISED FIBER OPTIC  
 LAYOUT (REF. DWG. TS101)

Project No.: 200-82062-12001

Date: 4/28/2015

Designed By: TT

SCALE: 1" = 20'

**AD-1**

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM

SHELBY FARMS GREENLINE  
EXTENSION PROJECT  
(TDOT PIN 116836.00)

I acknowledge that I am in receipt of the following addendum(s) for the above referenced project.

**Shelby Farms Greenline Extension Project**

Addendum #1 - Dated April 14, 2015 \_\_\_\_\_

Addendum #2 – Dated April 28,2015 \_\_\_\_\_

NAME and TITLE

DATE

THIS FORM MUST BE SIGNED AND INCLUDED IN YOUR PROPOSAL. FAILURE TO SIGN AND INCLUDE THIS FORM WILL RESULT IN YOUR PROPOSAL BEING CONSIDERED INVALID.