

September 26, 2024

Ms. Lisa Dougan  
Transportation Program Monitor – Region 2  
TDOT – Local Programs and Community Investments Division  
James K. Polk Building, 6th Floor  
505 Deaderick Street, Nashville, TN 37243

**Re: Change Order No. 2**  
**TDOT PIN: 126662.00**  
**Downtown Pedestrian Improvements US127/SR283277 Highway 431**

Dear Lisa:

During construction of the aforementioned project, multiple items needed to be addressed as follows:

- **Work Change Directive No. 1**
  - **Purpose**
    - An additional 150 LF of Item No. 712-02.02 (Interconnected Portable Barrier Rail) is being added to allow the contractor to expand the areas currently under construction at one time.
    - Additionally, an estimated quantity of sixty (60) Item No. 712-04.50 (Barrier Rail Delineator) is being added to the project to allow the contractor to install one (1) delineator on each straight section of barrier wall and two (2) delineators on each tapered section of barrier wall. The estimated quantity also anticipates some replacement of delineators that may be damaged during construction. No Barrier Rail Delineators were included with the original bid items.
  - **Cost Analysis**
    - Item No. 712-02.02 (Interconnected Portable Barrier Rail) was included with the original bid items at \$70.00/LF. This unit cost will be applied to the additional quantity.
    - Acknowledging that the TDOT State Average Unit Price for Item No. 712-04.50 (Barrier Rail Delineator) was \$16.24 in 2023 and \$12.81 from January 2024 through June 2024, the contractor's bid price is \$35.00, which is higher. However, it should be noted that the contractor's DBE subcontractor is providing these and with smaller quantities unit prices are typically higher.



- **Work Change Directive No. 2**

- **Purpose**

- To eliminate the overhead traffic conductors, additional conduit will be installed at 1st and Main within a trench that is already proposed with the project. Additional conduit and trenching will be installed at 4th and Main to also eliminate the overhead traffic conductors.
- An additional fifty-seven (57) LF of Item No. 730-12.03 (Conduit 3" Diameter (PVC)) is being added for the 4th and Main Street intersection.
- Fifty-six (56) LF of Item No. 730-12.27 (Conduit 3" Diameter (PVC Schedule 80)) is being added for the 1st and Main Street intersection, which does not include trenching.

- **Cost Analysis**

- Item No. Item No. 730-12.03 (Conduit 3" Diameter (PVC)) was included with the original bid items at \$39.00/LF. This unit cost will be applied to the additional quantity.
- Acknowledging that the TDOT State Average Unit Price for Item No. 730-12.27 (Conduit 3" Diameter (PVC Schedule 80)) was \$18.00 in 2023 the contractor's bid price of \$10.65 appears to be financially beneficial for the city.

- **Work Change Directive No. 3**

- **Purpose**

- A 2-inch conduit and pull boxes are being added for a future traffic fiber optic line along Main Street that will interconnect the traffic signals at Lantana, 1<sup>st</sup> and 4<sup>th</sup>. The conduit will be installed within a trench that is already proposed with this project.
- An additional nine hundred (900) LF of Item No. 714-03.01 (Direct Burial Conduit (2" PVC, Schedule 40) is being added.
- An additional one hundred eighty (180) LF of Item No. 714-03.03 (Direct Burial Conduit (2" PVC, Schedule 80) is being added.
- Five (5) of Item No. 730-03.23 (Install Pull Box (Fiber Optic – Type A) are being added.
- One (1) of Item No. 730-03.24 (Install Pull Box (Fiber Optic – Type B) is being added.

- **Cost Analysis**

- Item No. 714-03.01 (Direct Burial Conduit (2" PVC, Schedule 40) was included with the original bid items at \$13.00/LF. This unit cost will be applied to the additional quantity.
- Item No. 714-03.03 (Direct Burial Conduit (2" PVC, Schedule 80) was included with the original bid items at \$17.00/LF. This unit cost will be applied to the additional quantity.



- The contractor provided a price of \$3,228.00 for Item No. 730-03.23 (Install Pull Box (Fiber Optic – Type A) and \$4,004.00 for Item No. 730-03.24 (Install Pull Box (Fiber Optic – Type B) along with a breakdown of labor, equipment and materials for which is included with the attached Work Directive No. 3.
- **Work Change Directive No. 4**
  - **Purpose**
    - During construction it was discovered that no aggregate base is present under portions of the existing sidewalks. As such, additional grading and excavation will be required to install the new sidewalks. The plan quantities include 32,015 SF of 4" sidewalk (with a 3" aggregate base) and 10,045 SF of 6" sidewalk (with a 5" aggregate base). Assuming no aggregate base exists, this would require approximately 360 CY of excavation. Therefore, an estimated quantity of three hundred sixty (360) CY of Item No. 203-01 (Road & Drainage Excavation (Unclassified)) is added to address this item.
  - **Cost Analysis**
    - The contractor provided a price of \$80.00 along with a breakdown of labor, equipment and materials for Item No. 203-01 (Road & Drainage Excavation (Unclassified)) which is included with the attached Work Directive No. 4.

Upon discussions with the contractor, an increase of \$79,123.40 to the contract amount and an increase of 28 calendar days to the contract time is being requested with Change Order No. 2. As such, CT Consultants, Inc. recommends approval of Change Order No. 2 as currently being presented. If further documentation and/or clarification is needed, please feel free to call me at 615-349-4025 or by email at [jgoliias@ctconsultants.com](mailto:jgoliias@ctconsultants.com) to discuss.

Respectfully,

**CT CONSULTANTS, INC.**

A handwritten signature in blue ink, appearing to read 'James G. Goliias II'.

James G. Goliias II, P.E.  
Senior Project Manager

Attachments: Change Order No. 2  
Work Change Directive Nos. 1 - 4

H:\2018\181048\PHASE\04 Construction Inspection\TDOT Construction Project Files\Change Orders\02\2024-09-26 Change Order 02 CEI Letter (PIN 126662.00).Docx

**Supplemental Agreement and/or Request for Construction Change  
Change Order Request #02**

Project Title/Termini:	<u>Downtown Pedestrian Improvements US127/SR28</u>		
Owner:	<u>City of Crossville, TN</u>	PIN:	<u>126662.00</u>
Address:	<u>392 North Main Street</u>	State Project No.:	<u>18LPLM-F3-015</u>
	<u>Crossville, TN 38555</u>	Federal Project No.:	<u>TAP-28(68)</u>
		Contract No.:	<u>180092</u>
County:	<u>Cumberland</u>		

Whereas, we Adams Contracting, LLC, with Nationwide Mutual Insurance Company, as a Surety, entered into a contract with the City of Crossville, Tennessee, on February 13, 2024, for the construction by said Contractor of the above designated contract; and Whereas, certain items of construction encountered, are not covered by the original contract, we desire to submit the following additional items of construction to be performed by the Contractor and paid by the Owner at the price(s) scheduled therefore below:

The purpose of this Change Order is to:

Additional Interconnected Portable Barrier Rail (Item No. 712-02.02) is being requested along with Barrier Rail Delineators (Item No. 712-04.50) to allow a slightly larger area to be under construction at the same time. Additional Conduit 3" Diameter (PVC) (Item No. 730-12.03) and Conduit 3" Diameter (PVC Schedule 80) is being requested in order to underground pedestrian traffic signal conductors and eliminate additional overhead wires. Additional Direct Burial Conduit (2" PVC, Schedule 40) (Item No. 714-03.01), Direct Burial Conduit (2" PVC, Schedule 80) (Item No. 714-03.03), Pull Box (Fiber Optic - Type A) (Item No. 730-03.23) and Pull Box (Fiber Optic - Type B) (Item No. 730-03.24) are being requested to provide future traffic signal fiber optic connectivity for the City. Road & Drainage Excavation (Unclassified) (Item No. 203-01) is being requested to address the lack of existing aggregate under the existing sidewalks and to accommodate proposed sidewalk grade adjustments to meet ADA requirements.

As a result of this Change Order, contract time shall:

Not Change,  Increase by 28 days,  Decrease by \_\_\_\_\_ days

Original Construction Completion Time: 444 days (Date: 5/1/25)

Original Contract Amount (A):	<u>\$2,947,076.40</u>
Previously Approved Change Orders (B):	<u>\$0.00</u>
Pending Change Orders (Awaiting Approval) (C):	<u>\$0.00</u>
Current Change Order Request (D):	<u>\$79,123.40</u>
Proposed Total Change Order Amount (B)+(C)+(D):	<u>\$79,123.40</u>

New Proposed Contract Amount (A)+(B)+(C)+(D): \$3,026,199.80

Contract Completion Time with Change Orders: 472 days (Date: 5/29/25)

**Supplemental Agreement and/or Request for Construction Change  
Change Order Request # 02**

Unit prices listed below include labor, materials, profit, overhead, and incidentals necessary to complete this work. A separate attached spreadsheet with the same information may be used in lieu of the table below.

Item No.	Description	Unit	Current/ Pending Quantities	Revised Quantities	QTY Over + QTY Under -	Contract Price	Net Amount Due Change
712-02.02	Portable Barrier Rail	LF	300	450	150	\$70.00	\$10,500.00
712-04.50	Barrier Rail Delieator	Each	0	60	60	\$35.00	\$2,100.00
730-12.03	Conduit 3" Diameter (PVC)	LF	310	367	57	\$39.00	\$2,223.00
730-12.27	Conduit 3" Diamter (PVC Schedule 80)	LF	0	56	56	\$10.65	\$596.40
714-03.01	Direct Burial Conduit (2" PVC, Schedule 40)	LF	3,440	4,340	900	\$13.00	\$11,700.00
714-03.03	Direct Burial Conduit 2" PVC, Schedule 80)	LF	770	950	180	\$17.00	\$3,060.00
730-03.23	Install Pull Box (Fiber Optic - Type A)	Each	0	5	5	\$3,228.00	\$16,140.00
730-03.24	Install Pull Box (Fiber Optic - Type B)	Each	0	0	1	\$4,004.00	\$4,004.00
203-01	Road & Drainage Excavation (Unclassified)	CY	0	0	360	\$80.00	\$28,800.00
						\$	\$
						\$	\$
						\$	\$
						\$	\$
						\$	\$
						\$	\$
						\$	\$
						\$	\$
						\$	\$
						\$	\$
						\$	\$
						\$	\$
Total Net Amount Due Change							\$79,123.40



# Work Change Directive No. 1

Project Title Downtown Pedestrian Improvements Date 7/19/24  
US127/SR28  
 Federal Project No.: TAP-28(68)  
 State Project No.: 18LPLM-F3-015

Owner City of Crossville CT Project No. 181048

Contractor(s) Adams Contracting, LLC TDOT PIN: 126662.00

You are hereby instructed to effect for the foregoing named project, the following modifications as noted below, to the work described in the contract:

An additional 150 LF of Item No. 712-02.02 (Interconnected Portable Barrier Rail) is being added to allow the contractor to expand the areas currently under construction at one time. The unit bid price is \$70/LF, which will increase the construction cost by \$10,500.00.

Additionally, an estimated quantity of sixty (60) Item No. 712-04-50 (Barrier Rail Delineator) is being added to the project to allow the contractor to install one (1) delineator on each straight section of barrier wall and two (2) delineators on each tapered section of barrier wall. The estimated quantity also anticipates some replacement of delineators that may be damaged during construction. The contractor has provided a cost of \$35/EACH, which will increase the construction cost by \$2,100.00.

Estimated Increase \$12,600.00

This form shall be used as evidence that the Owner and Contractor expect that the costs for the work addressed herein will be incorporated into a subsequently issued Change Order in accordance with the contract.

7/19/2024  
Date

\_\_\_\_\_  
CT Consultants

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contractor's Authorized Representative

\_\_\_\_\_  
Date

\_\_\_\_\_  
Owner

- DISTRIBUTION
1. Contractor
  2. Owner
  3. Project Manager
  4. File



**From:** [Melanie Anderkin](#)  
**To:** [James Golias](#)  
**Cc:** [Tracy Barrett](#)  
**Subject:** 126662.00 Crossville Barrier Rail Delineators  
**Date:** Friday, June 28, 2024 8:31:14 AM

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CAUTION! This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi James,

There has been some discussion onsite regarding the need for delineators to be placed on the portable barrier rail.

We can do so for \$35 /Each at 2' spacing with 100% DBE credit. Let us know if the city would like to proceed with those.

Thanks, Melanie

Melanie Anderkin, P.E. | Sr. Project Engineer  
[Adams Contracting, LLC](#) | 131 Prosperous Place, Suite 19A, Lexington, KY 40509  
Office & Fax (859) 629-4948 | Cell / Text (859) 536-9139

# Work Change Directive No. 2

Project Title Downtown Pedestrian Improvements Date 8/7/24  
US127/SR28  
 Federal Project No.: TAP-28(68)  
State Project No.: 18LPLM-F3-015

Owner City of Crossville CT Project No. 181048

Contractor(s) Adams Contracting, LLC TDOT PIN: 126662.00

You are hereby instructed to effect for the foregoing named project, the following modifications as noted below, to the work described in the contract:

To eliminate the overhead traffic conductors, additional conduit will be installed at 1<sup>st</sup> and Main within a trench that is already proposed with the project. Additional conduit and trenching will be installed at 4<sup>th</sup> and Main to also eliminate the overhead traffic conductors.

An additional fifty-seven (57) LF of Item No. 730-12.03 (Conduit 3” Diameter (PVC)) is being added for the 4<sup>th</sup> and Main Street intersection. The unit bid price is \$39.00/LF, which will increase the construction cost by \$2,223.00.

Fifty-six (56) LF of Item No. 730-12.27 (Conduit 3” Diameter (PVC Schedule 80)) is being added for the 1<sup>st</sup> and Main Street intersection, which does not include trenching. The contractor has provided a cost of \$10.65/LF, which will increase the construction cost by \$596.40.

Estimated Increase \$2,819.40

This form shall be used as evidence that the Owner and Contractor expect that the costs for the work addressed herein will be incorporated into a subsequently issued Change Order in accordance with the contract.

8/7/2024 \_\_\_\_\_  
 Date CT Consultants

\_\_\_\_\_ \_\_\_\_\_  
 Date Contractor’s Authorized Representative

\_\_\_\_\_ \_\_\_\_\_  
 Date Owner

- DISTRIBUTION
1. Contractor
  2. Owner
  3. Project Manager
  4. File

**From:** [Melanie Anderkin](#)  
**To:** [James Golias](#)  
**Cc:** [Tracy Barrett](#)  
**Subject:** 126662.00 Fiber Optic Pricing  
**Date:** Thursday, July 25, 2024 10:02:40 AM

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CAUTION! This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

James,

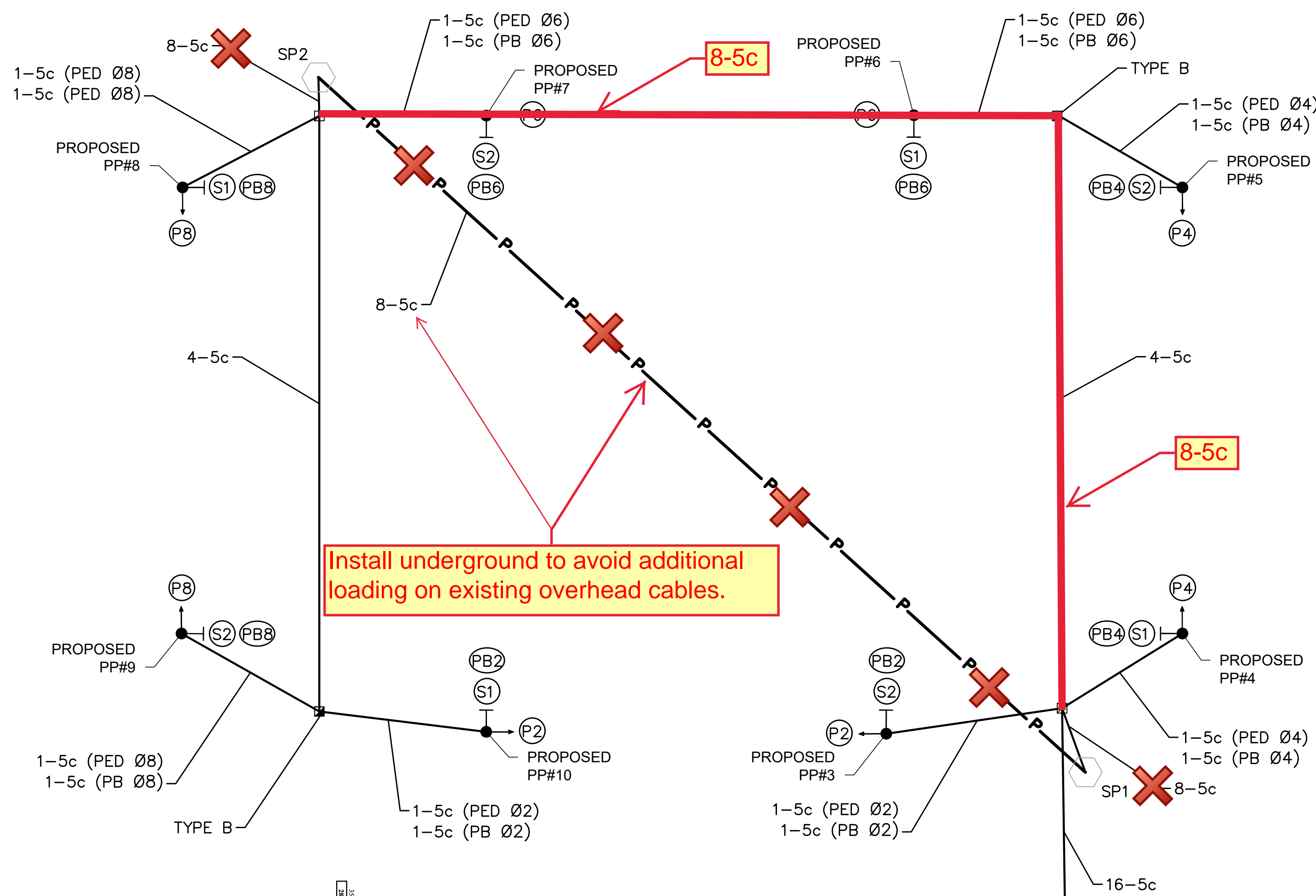
See requested pricing below.

730-03.23	Pull Box (Fiber Optic Type A)	5 EA	\$3228.00/EA
730-03.24	Pull Box (Fiber Optic Type B)	1 EA	\$4004.00/EA
730-12.27	Conduit 3" (PVC Schedule 80)	56 LF	\$10.65/LF

Melanie

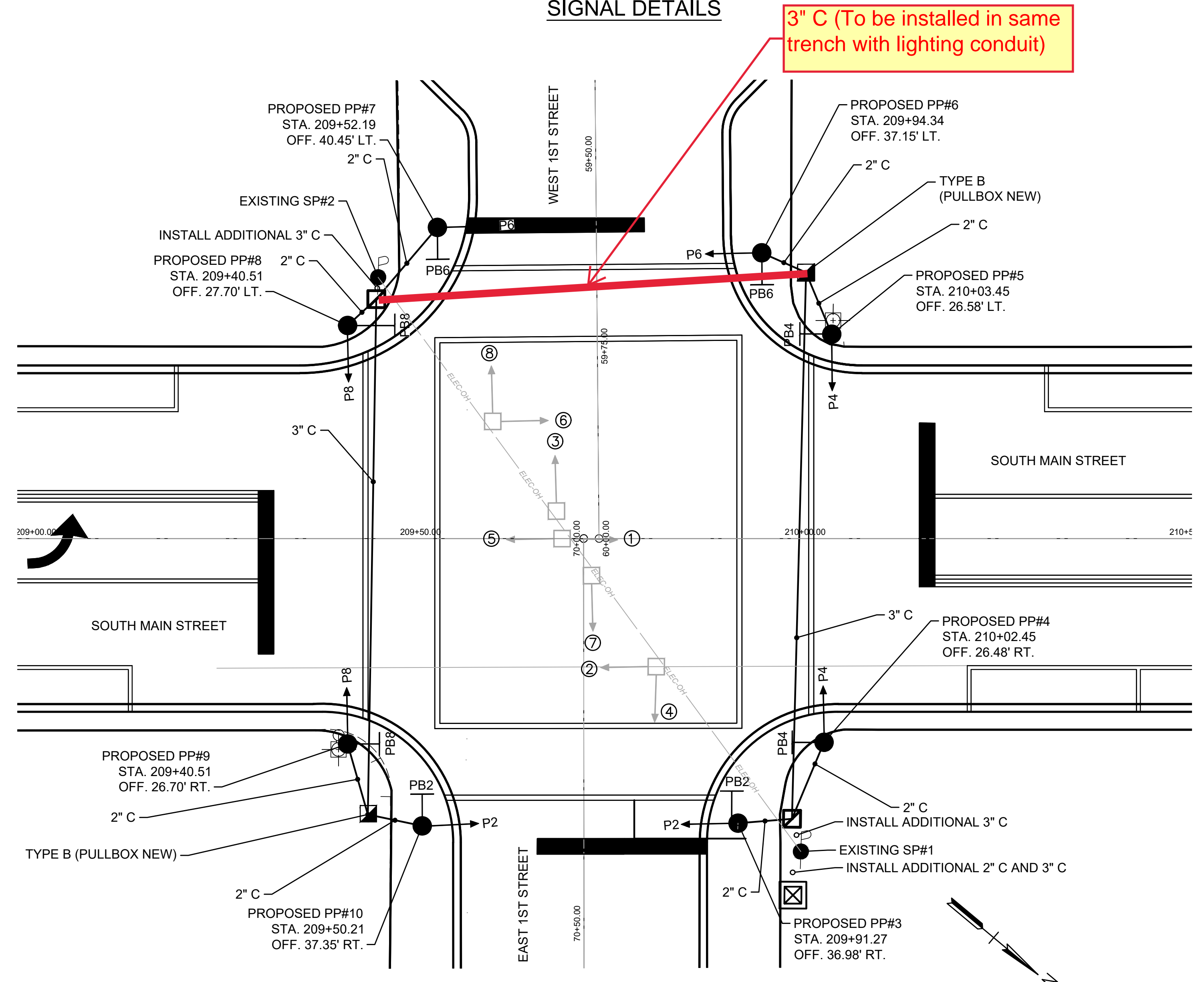
Melanie Anderkin, P.E. | Sr. Project Engineer  
[Adams Contracting, LLC](#) | 131 Prosperous Place, Suite 19A, Lexington, KY 40509  
Office & Fax (859) 629-4948 | Cell (859) 536-9139

**WIRING DIAGRAM**  
(NOT TO SCALE)

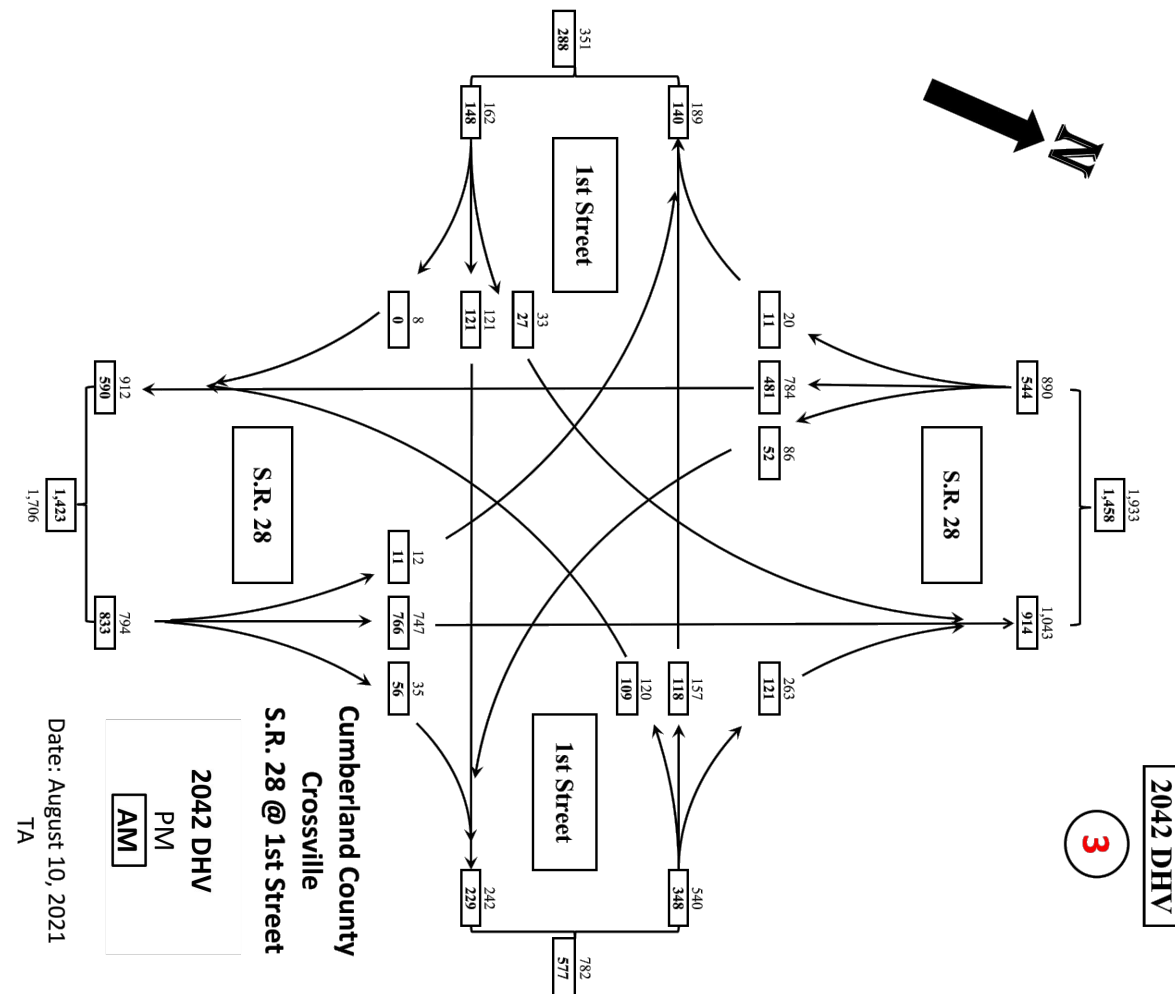


Install underground to avoid additional loading on existing overhead cables.

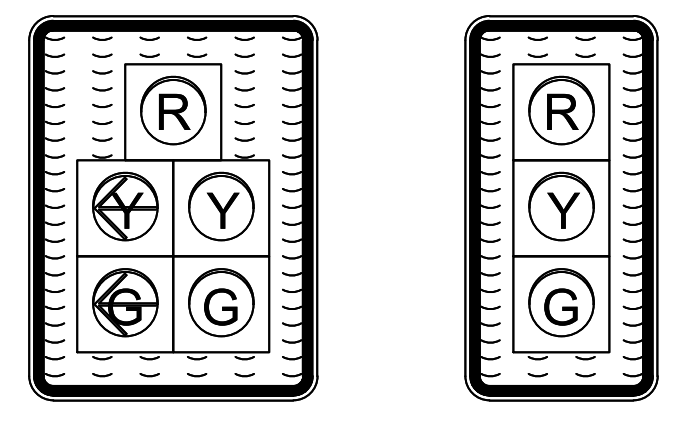
**SIGNAL DETAILS**



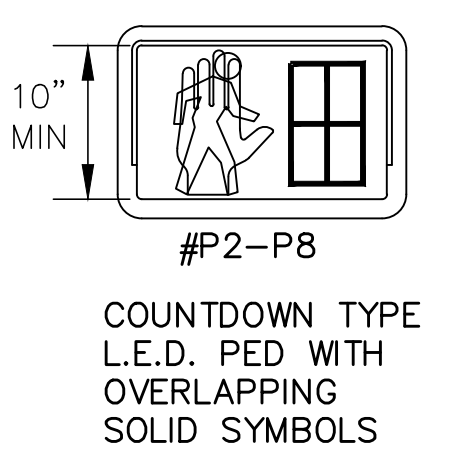
3" C (To be installed in same trench with lighting conduit)



**EXISTING SIGNAL HEAD DISPLAYS**



**PROPOSED PEDESTRIAN SIGNAL**



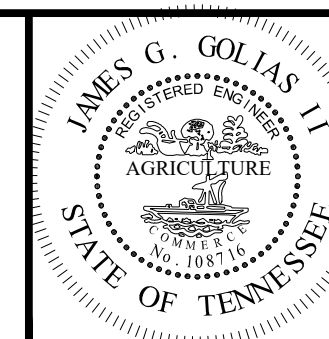
NO	REVISION	DATE

**CITY OF CROSSVILLE, TN  
SIDEWALK REPLACEMENT  
PROJECT**

SCALE: AS SHOWN  
DATE: 6/25/21  
DESIGNED BY: JGOL  
DRAWN BY: MPIO  
CHECKED BY: SRIG

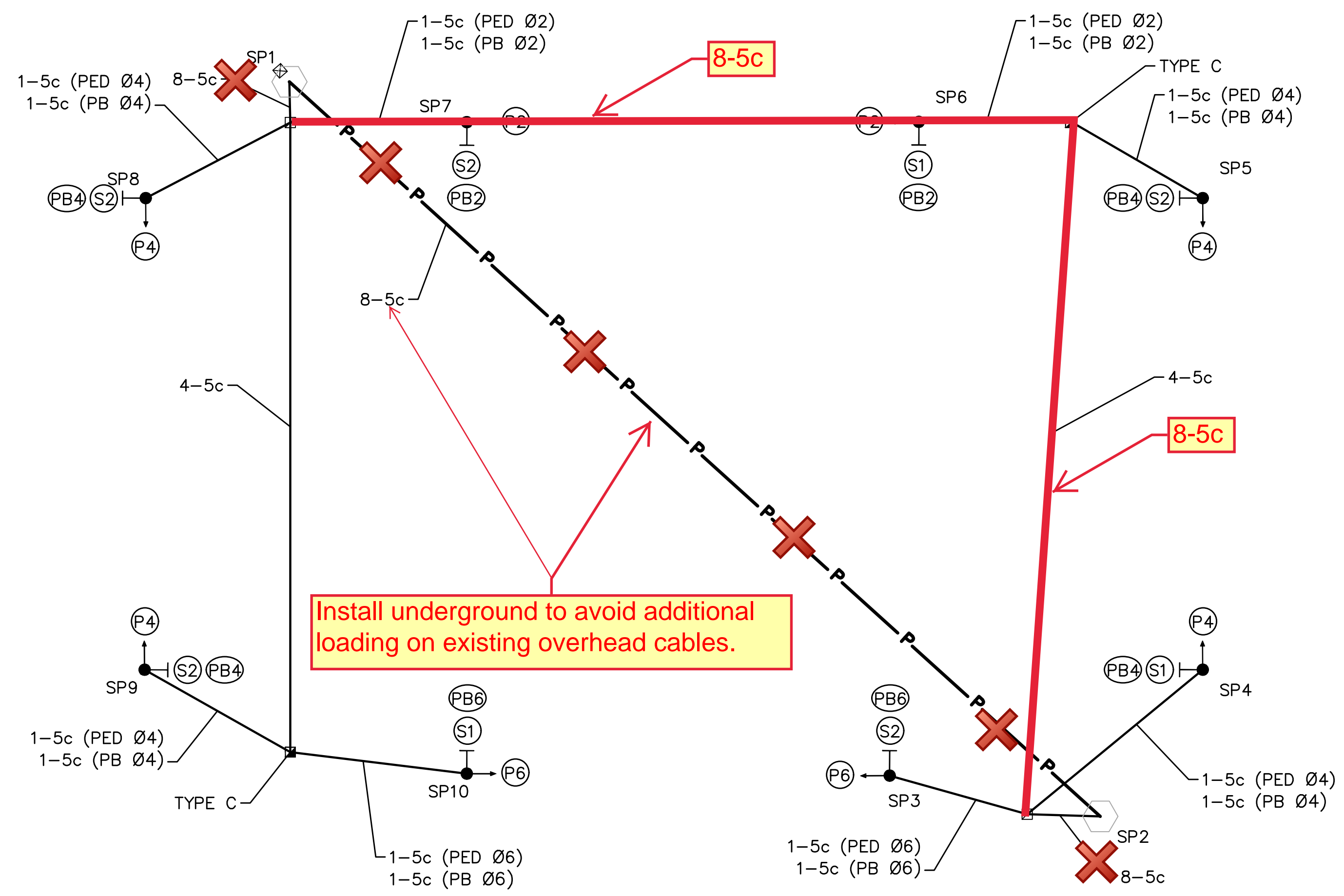
**SIGNAL DETAILS**

PROJECT NO: <b>181048</b>	
DRAWING NAME <b>SIG DET 2</b>	
SHEET <b>14.2</b>	OF <b>83</b>

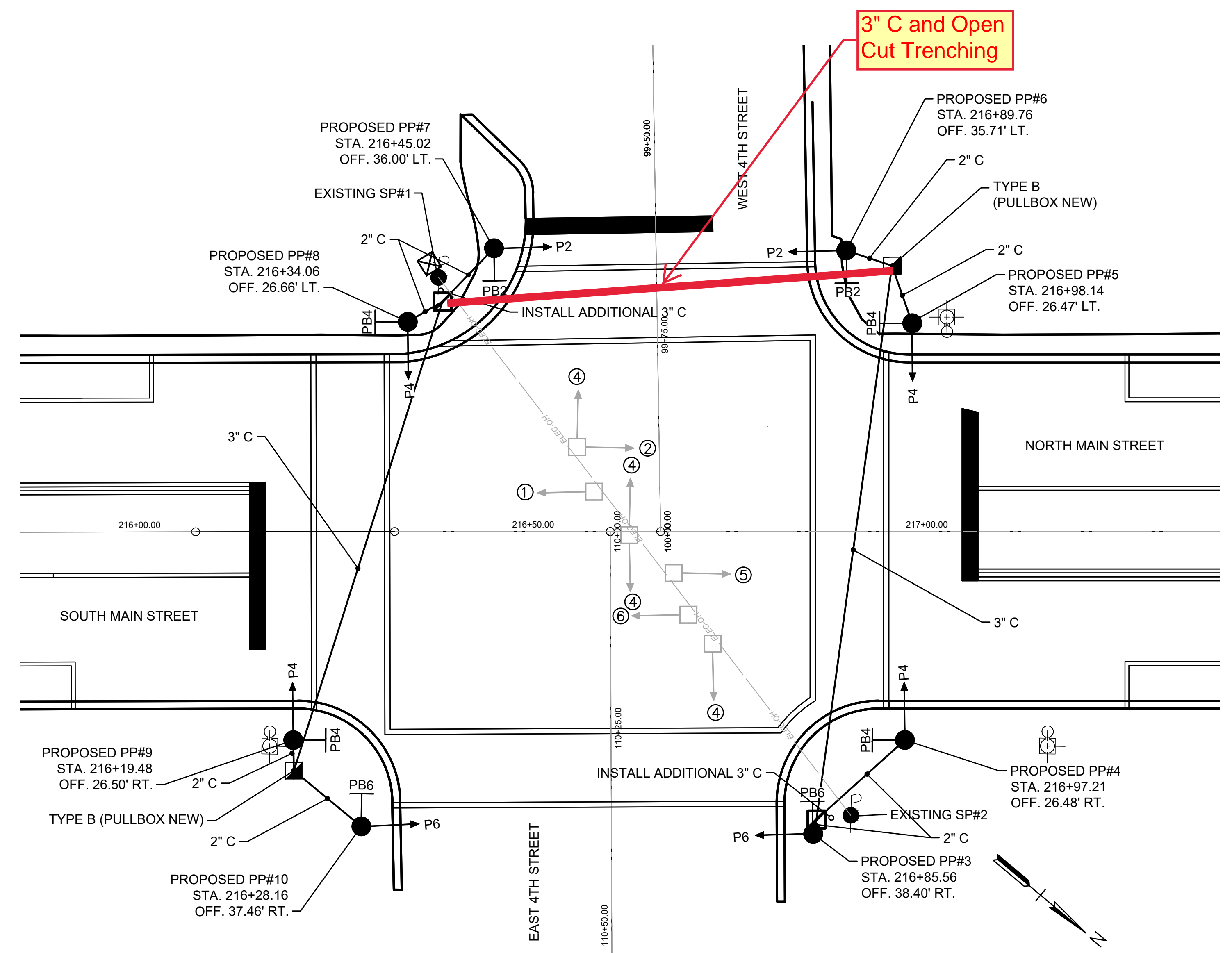


H:\2018\181048\DWG\BASE\2019 STANDARDS\14.0 SIGNAL PLANS.DWG - SHEET 14.2 - 12/16/2021 9:03:05 AM - JAMES GOLIAS

**WIRING DIAGRAM**  
(NOT TO SCALE)

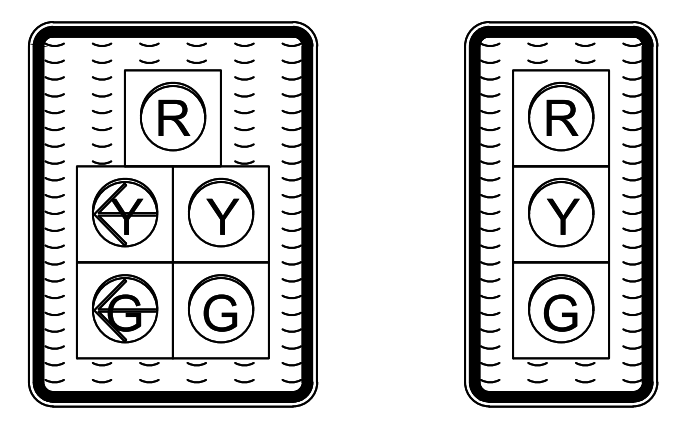


**SIGNAL DETAILS**



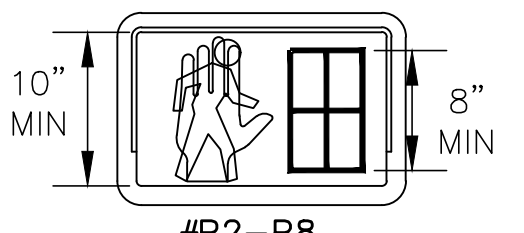
Install underground to avoid additional loading on existing overhead cables.

**EXISTING SIGNAL HEAD DISPLAYS**



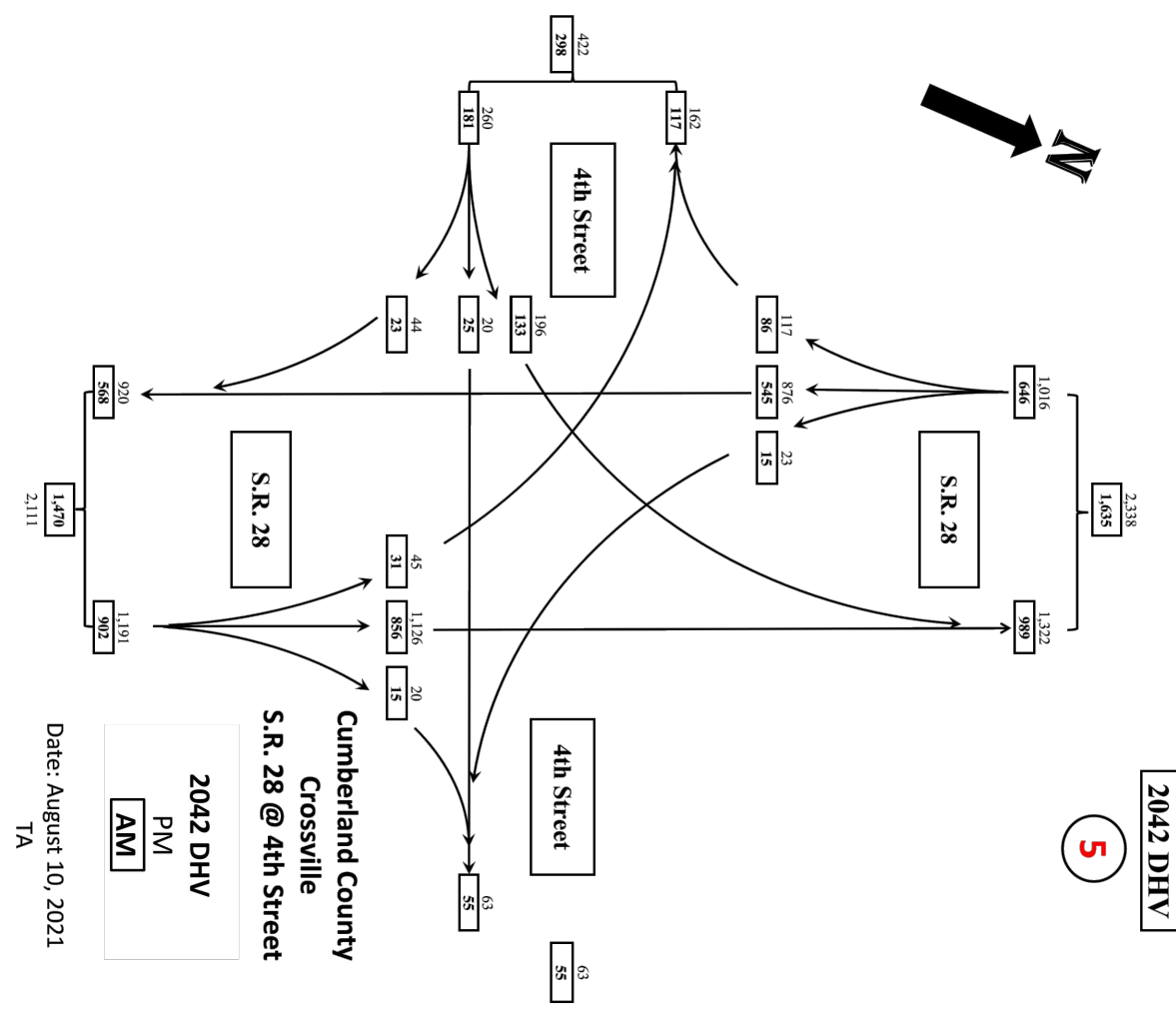
#1,3,5,7      #2,4,6,8

**PROPOSED PEDESTRIAN SIGNAL**

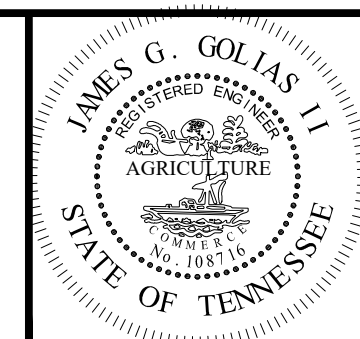


COUNTDOWN TYPE  
L.E.D. PED WITH  
OVERLAPPING  
SOLID SYMBOLS

**COLOR LEGEND**  
MAN - WHITE  
HAND - PORTLAND ORANGE  
NUMBERS - PORTLAND ORANGE



Date: August 10, 2021  
2042 DHV  
PVI  
AMJ  
Cumberland County  
Crossville  
S.R. 28 @ 4th Street



NO	REVISION	DATE

**CITY OF CROSSVILLE, TN  
SIDEWALK REPLACEMENT  
PROJECT**

SCALE: AS SHOWN  
DATE: 6/25/21  
DESIGNED BY: JGOL  
DRAWN BY: MPIO  
CHECKED BY: SRIG

**SIGNAL DETAILS**

PROJECT NO: <b>181048</b>	
DRAWING NAME <b>SIG DET 4</b>	
SHEET <b>14.4</b>	OF <b>83</b>

## Work Change Directive No. 3

Project Title Downtown Pedestrian Improvements Date 8/21/24  
US127/SR28  
Federal Project No.: TAP-28(68)  
State Project No.: 18LPLM-F3-015

Owner City of Crossville CT Project No. 181048

Contractor(s) Adams Contracting, LLC TDOT PIN: 126662.00

You are hereby instructed to effect for the foregoing named project, the following modifications as noted below, to the work described in the contract:

A 2-inch conduit and pull boxes are being added for a future traffic fiber optic line along Main Street that will interconnect the traffic signals at Lantana, 1<sup>st</sup> and 4<sup>th</sup>. The conduit will be installed within a trench that is already proposed with this project.

An additional nine hundred (900) LF of Item No. 714-03.01 (Direct Burial Conduit (2" PVC, Schedule 40) is being added. The unit bid price is \$13/LF, which will increase the construction cost by \$11,700.00.

An additional one hundred eighty (180) LF of Item No. 714-03.03 (Direct Burial Conduit (2" PVC, Schedule 80) is being added. The unit bid price is \$17/LF, which will increase the construction cost by \$3,060.00.

Five (5) of Item No. 730-03.23 (Install Pull Box (Fiber Optic – Type A) are being added. The contractor has provided a cost of \$3,228.00/EACH, which will increase the construction cost by \$16,140.00.

One (1) of Item No. 730-03.24 (Install Pull Box (Fiber Optic – Type B) is being added. The contractor has provided a cost of \$4,004.00/EACH, which will increase the construction cost by \$4,004.00.

Estimated Increase \$34,904.00

This form shall be used as evidence that the Owner and Contractor expect that the costs for the work addressed herein will be incorporated into a subsequently issued Change Order in accordance with the contract.

8/7/2024  
Date

\_\_\_\_\_  
CT Consultants

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contractor's Authorized Representative

\_\_\_\_\_  
Date

\_\_\_\_\_  
Owner

- DISTRIBUTION
1. Contractor
  2. Owner
  3. Project Manager
  4. File

**From:** [Melanie Anderkin](#)  
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James,

See requested pricing below.

730-03.23	Pull Box (Fiber Optic Type A)	5 EA	\$3228.00/EA
730-03.24	Pull Box (Fiber Optic Type B)	1 EA	\$4004.00/EA
730-12.27	Conduit 3" (PVC Schedule 80)	56 LF	\$10.65/LF

Melanie

Melanie Anderkin, P.E. | Sr. Project Engineer  
[Adams Contracting, LLC](#) | 131 Prosperous Place, Suite 19A, Lexington, KY 40509  
Office & Fax (859) 629-4948 | Cell (859) 536-9139





Excellence Since 1940

PIN#: 126662.00 Crossville Streetscape Fiber Boxes - Type A  
 Tuesday, August 13, 2024

**1 Purchase Description**

	Description	Unit	UM	Unit Cost	Total Cost	
Labor						
	Skilled Laborer	4	HR	\$ 68.00	\$ 272.00	
	Foreman	4	HR	\$ 84.00	\$ 336.00	
						\$ 608.00
Equipment						
	Service Truck	4	HR	\$ 32.50	\$ 130.00	
	Excavator	4	HR	\$ 38.00	\$ 152.00	
	Trailer	4	HR	\$ 10.64	\$ 42.56	
					\$ -	\$ 324.56
Material						
	Pull Boxes	1	EA	\$ 1,493.44	\$ 1,493.44	
	Fittings	1	LS	\$ 59.20	\$ 59.20	
	Gravel	1	LS	\$ 38.92	\$ 38.92	
					\$ -	\$ 1,591.56
Totals	Total Direct Cost					\$ 2,524.12
	OH & Profit					\$ 504.82
	Bond (1%)					
	Total					\$ 3,028.94
						<b>CP Total: \$ 3,028.94</b>

<b>Adams Contracting, LLC Breakdown</b>	
Subcontractor	3028.94
Prime Mark-up (5%)	151.45
P&P Bond (1.5%)	47.70
Total Each (rounded)	\$ 3228.00



Excellence Since 1940

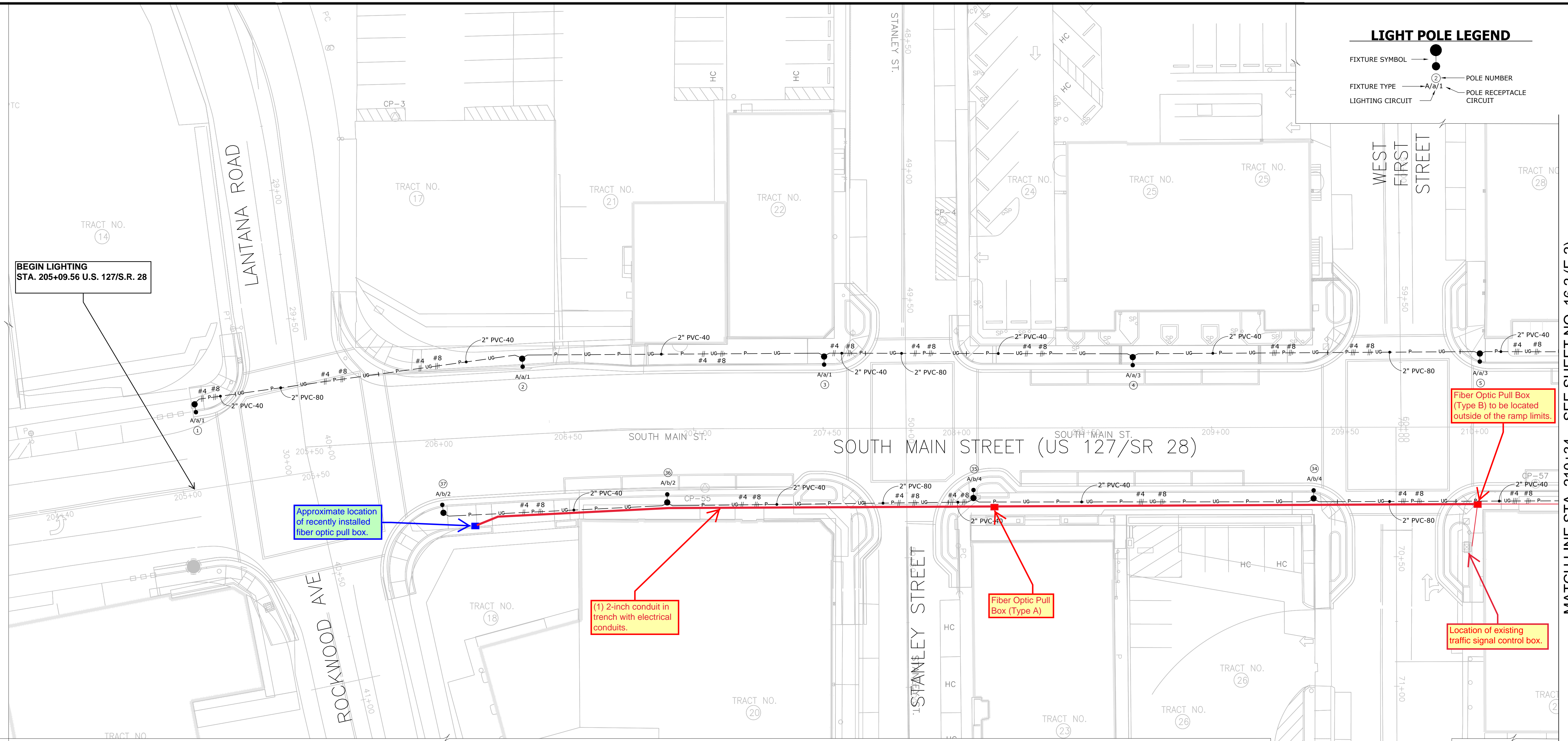
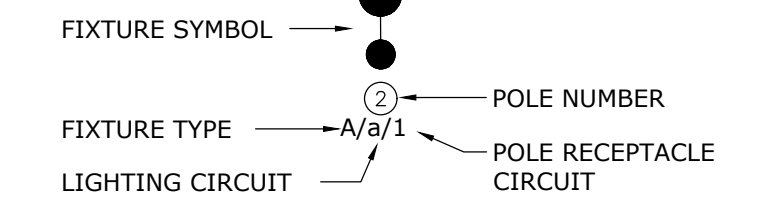
PIN#: 126662.00 Crossville Streetscape Fiber Boxes - Type B  
 Tuesday, August 13, 2024

**1 Purchase Description**

	Description	Unit	UM	Unit Cost	Total Cost	
Labor						
	Skilled Laborer	4	HR	\$ 68.00	\$ 272.00	
	Foreman	4	HR	\$ 84.00	\$ 336.00	
						\$ 608.00
Equipment						
	Service Truck	4	HR	\$ 32.50	\$ 130.00	
	Excavator	4	HR	\$ 38.00	\$ 152.00	
	Trailer	4	HR	\$ 10.64	\$ 42.56	
					\$ -	\$ 324.56
Material						
	Pull Boxes	1	EA	\$ 2,097.26	\$ 2,097.26	
	Fittings	1	LS	\$ 59.20	\$ 59.20	
	Gravel	1	LS	\$ 41.84	\$ 41.84	
					\$ -	\$ 2,198.30
Totals	Total Direct Cost					\$ 3,130.86
	OH & Profit					\$ 626.17
	Bond (1%)					
	Total					\$ 3,757.03
						<b>CP Total: \$ 3,757.03</b>

<b>Adams Contracting, LLC Breakdown</b>	
Subcontractor	3757.03
Prime Mark-up (5%)	187.85
P&P Bond (1.5%)	56.37
<b>Total Each (rounded)</b>	<b>\$4004.00</b>

**LIGHT POLE LEGEND**



BEGIN LIGHTING  
STA. 205+09.56 U.S. 127/S.R. 28

Approximate location  
of recently installed  
fiber optic pull box.

(1) 2-inch conduit in  
trench with electrical  
conduits.

Fiber Optic Pull  
Box (Type A)

Fiber Optic Pull Box  
(Type B) to be located  
outside of the ramp limits.

Location of existing  
traffic signal control box.

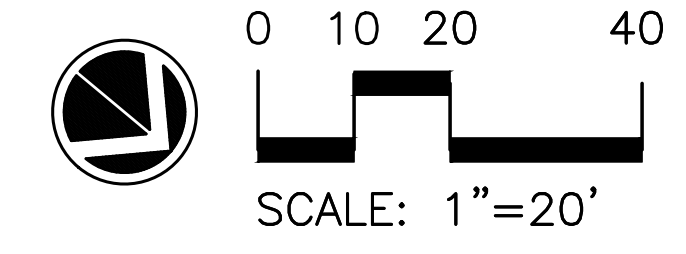
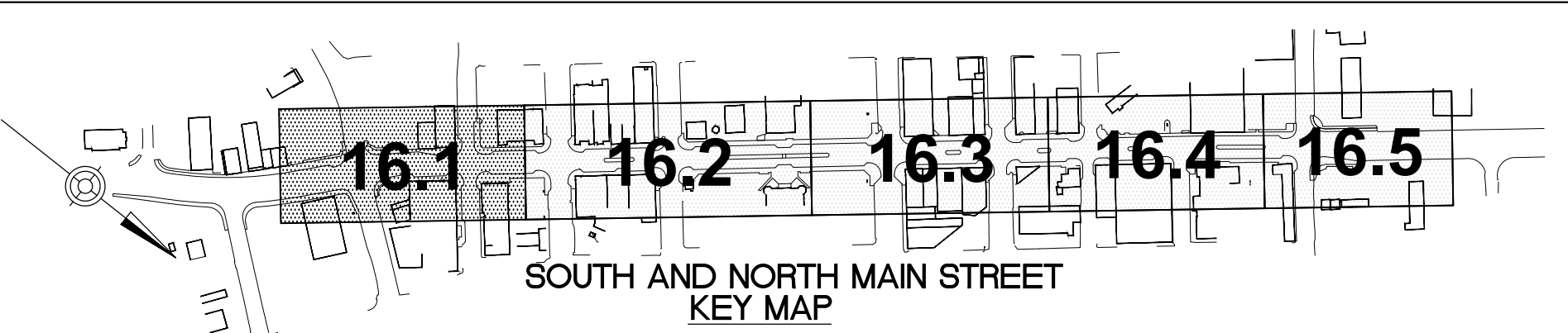
MATCH LINE STA. 210+34 - SEE SHEET NO. 16.2 (E-2)

**GENERAL NOTES:**

- THE STANDARD SPECIFICATIONS FOR THIS PROJECT ARE TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- CONSTRUCTION OF STREET LIGHTING SYSTEM SHALL COMPLY WITH TDOT SPECIFICATIONS SECTION 714 AND AS AMENDED BY THESE DRAWINGS.
- CONSTRUCTION DETAILS NOT SHOWN ON THE DRAWINGS ARE TO CONFORM TO THE TDOT STANDARD DRAWINGS.
- NEW UNDERGROUND RACEWAYS ARE SHOWN DIAGRAMMATICALLY. ROUTE TO AVOID CONFLICTS WITH EXISTING AND PROPOSED UTILITY MANHOLES AND PULLBOXES.
- REFER TO CROSS SECTION DETAILS ON CURBING AND SIDEWALK PLANS FOR GENERAL LOCATION OF UNDERGROUND RACEWAYS.
- REFER TO LANDSCAPE PLANS TO VERIFY AREAS OF GENERAL CONTRACT WORK. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING AREAS OUTSIDE OF NEW PAVING AND SIDEWALK AREAS.
- REFER TO SHEET 16.9 (E-9) FOR SYMBOLS AND FIXTURES SCHEDULE.
- REFER TO PROPOSED LAYOUT SHEETS 8.0 - 8.4 FOR PROPOSED LIGHT POLE STATION AND OFFSET LOCATION CALLOUTS.

**CONTRACTOR RESPONSIBILITY MATRIX**

CATEGORY	DESCRIPTION	EC	CITY	UTILITY
LIGHT POLE MATERIAL	FURNISH LIGHT POLE AND FIXTURE		X	
	INSTALL LIGHT POLE AND FIXTURE		X	
LIGHT POLE INSTALLATION	FURNISH AND INSTALL LIGHTING AND RECEPTACLE BRANCH CIRCUIT WIRING (INCLUDING ALL CONNECTIONS)		X	
	FURNISH AND INSTALL ALL CONCRETE FOUNDATION (PER THE DRAWINGS)	X		
LIGHT POLE FOUNDATION	FURNISH AND INSTALL GROUND ROD, CONDUIT, AND GROUNDING CONDUCTOR	X		
	FURNISH AND INSTALL LIGHTING AND RECEPTACLE BRANCH CIRCUIT WIRING (INCLUDING ALL CONNECTIONS AND FUSING)		X	
	FURNISH AND INSTALL PULLBOX AT EACH POLE BASE (PER THE DRAWINGS)	X		
LIGHTING CONTROL PANEL ASSEMBLY	FURNISH AND INSTALL ENTIRE ASSEMBLY (PER THE DRAWINGS)	X		
	CONDUIT FROM PANEL TO RISER POLE	X		
	SERVICE LATERAL CONDUCTORS			X
UNDERGROUND CONDUIT/WIRING	FURNISH AND INSTALL LIGHTING AND RECEPTACLE BRANCH CIRCUIT WIRING (FROM LIGHT POLE TO BREAKER)		X	
	TRENCH AND BACKFILL (INCLUDING WARNING RIBBON)	X		
	DIRECT BURY CONDUIT	X		
	FURNISH AND INSTALL ALL BRANCH CIRCUIT WIRING (PER PLANS)		X	



NO.	REVISION	DATE

CITY OF CROSSVILLE, TN  
SIDEWALK REPLACEMENT  
PROJECT

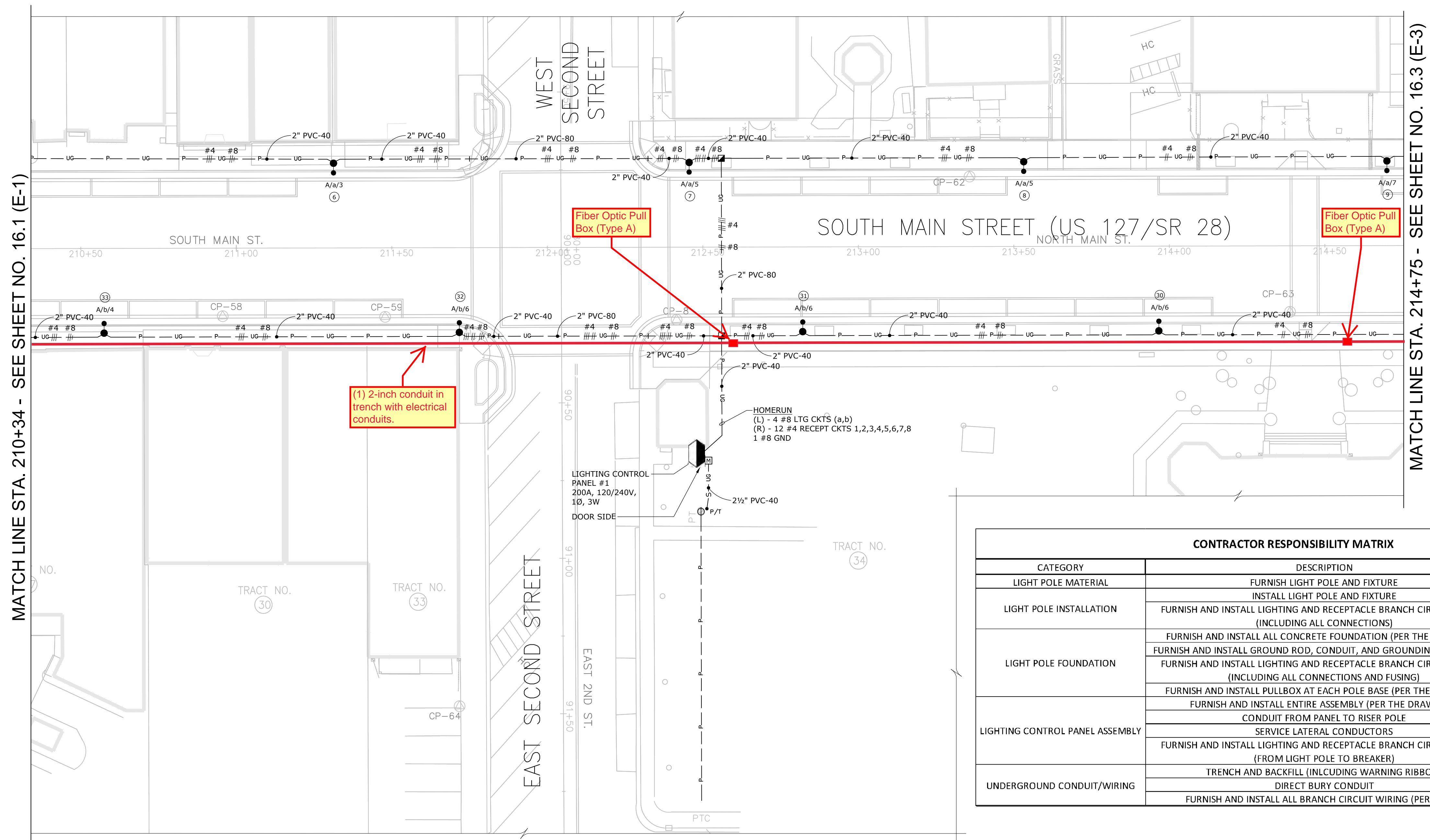
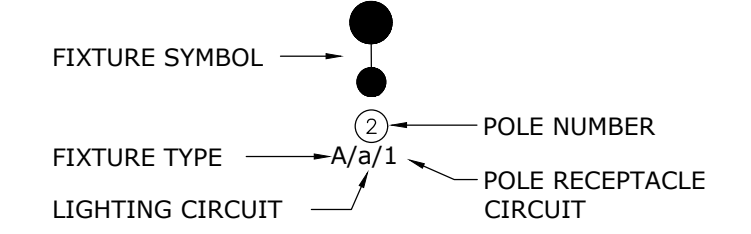
SCALE: AS SHOWN  
DATE: 7/23/21  
DESIGNED BY: DH  
DRAWN BY: PTA  
CHECKED BY: DH

LIGHTING PLAN  
MAIN STREET  
(US 127 / SR 28)

PROJECT NO:	181048
DRAWING NAME	16.1
SHEET OF	16.1 83

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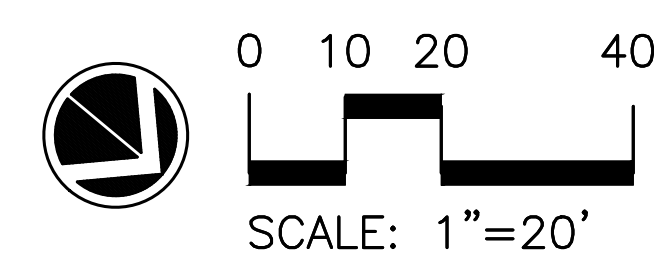
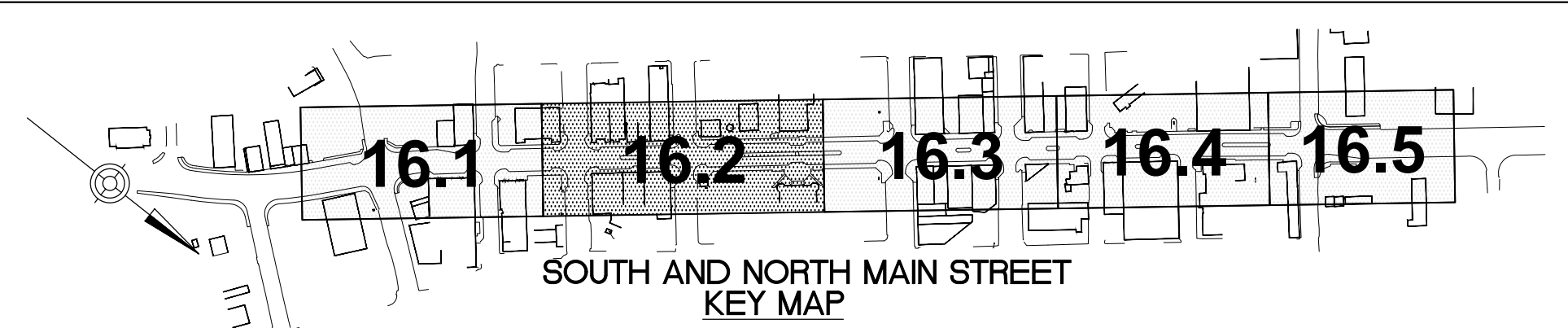
**LIGHT POLE LEGEND**



CONTRACTOR RESPONSIBILITY MATRIX				
CATEGORY	DESCRIPTION	EC	CITY	UTILITY
LIGHT POLE MATERIAL	FURNISH LIGHT POLE AND FIXTURE		X	
	INSTALL LIGHT POLE AND FIXTURE		X	
LIGHT POLE INSTALLATION	FURNISH AND INSTALL LIGHTING AND RECEPTACLE BRANCH CIRCUIT WIRING (INCLUDING ALL CONNECTIONS)		X	
	FURNISH AND INSTALL ALL CONCRETE FOUNDATION (PER THE DRAWINGS)	X		
LIGHT POLE FOUNDATION	FURNISH AND INSTALL GROUND ROD, CONDUIT, AND GROUNDING CONDUCTOR	X		
	FURNISH AND INSTALL LIGHTING AND RECEPTACLE BRANCH CIRCUIT WIRING (INCLUDING ALL CONNECTIONS AND FUSING)		X	
	FURNISH AND INSTALL PULLBOX AT EACH POLE BASE (PER THE DRAWINGS)	X		
LIGHTING CONTROL PANEL ASSEMBLY	FURNISH AND INSTALL ENTIRE ASSEMBLY (PER THE DRAWINGS)	X		
	CONDUIT FROM PANEL TO RISER POLE	X		
	SERVICE LATERAL CONDUCTORS			X
UNDERGROUND CONDUIT/WIRING	FURNISH AND INSTALL LIGHTING AND RECEPTACLE BRANCH CIRCUIT WIRING (FROM LIGHT POLE TO BREAKER)		X	
	TRENCH AND BACKFILL (INCLUDING WARNING RIBBON)	X		
	DIRECT BURY CONDUIT	X		
	FURNISH AND INSTALL ALL BRANCH CIRCUIT WIRING (PER PLANS)		X	

**GENERAL NOTES:**

- THE STANDARD SPECIFICATIONS FOR THIS PROJECT ARE TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
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- REFER TO SHEET 16.9 (E-9) FOR SYMBOLS AND FIXTURES SCHEDULE.
- REFER TO PROPOSED LAYOUT SHEETS 8.0 - 8.4 FOR PROPOSED LIGHT POLE STATION AND OFFSET LOCATION CALLOUTS.



NO.	REVISION	DATE

CITY OF CROSSVILLE, TN  
SIDEWALK REPLACEMENT  
PROJECT

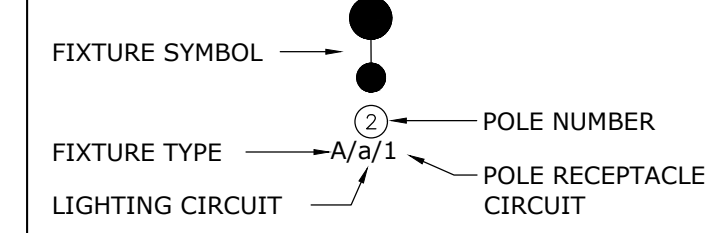
SCALE:	AS SHOWN
DATE:	7/23/21
DESIGNED BY:	DH
DRAWN BY:	PTA
CHECKED BY:	DH

LIGHTING PLAN  
MAIN STREET  
(US 127 / SR 28)

PROJECT NO:	181048
DRAWING NAME:	16.2
SHEET:	16.2
OF:	83

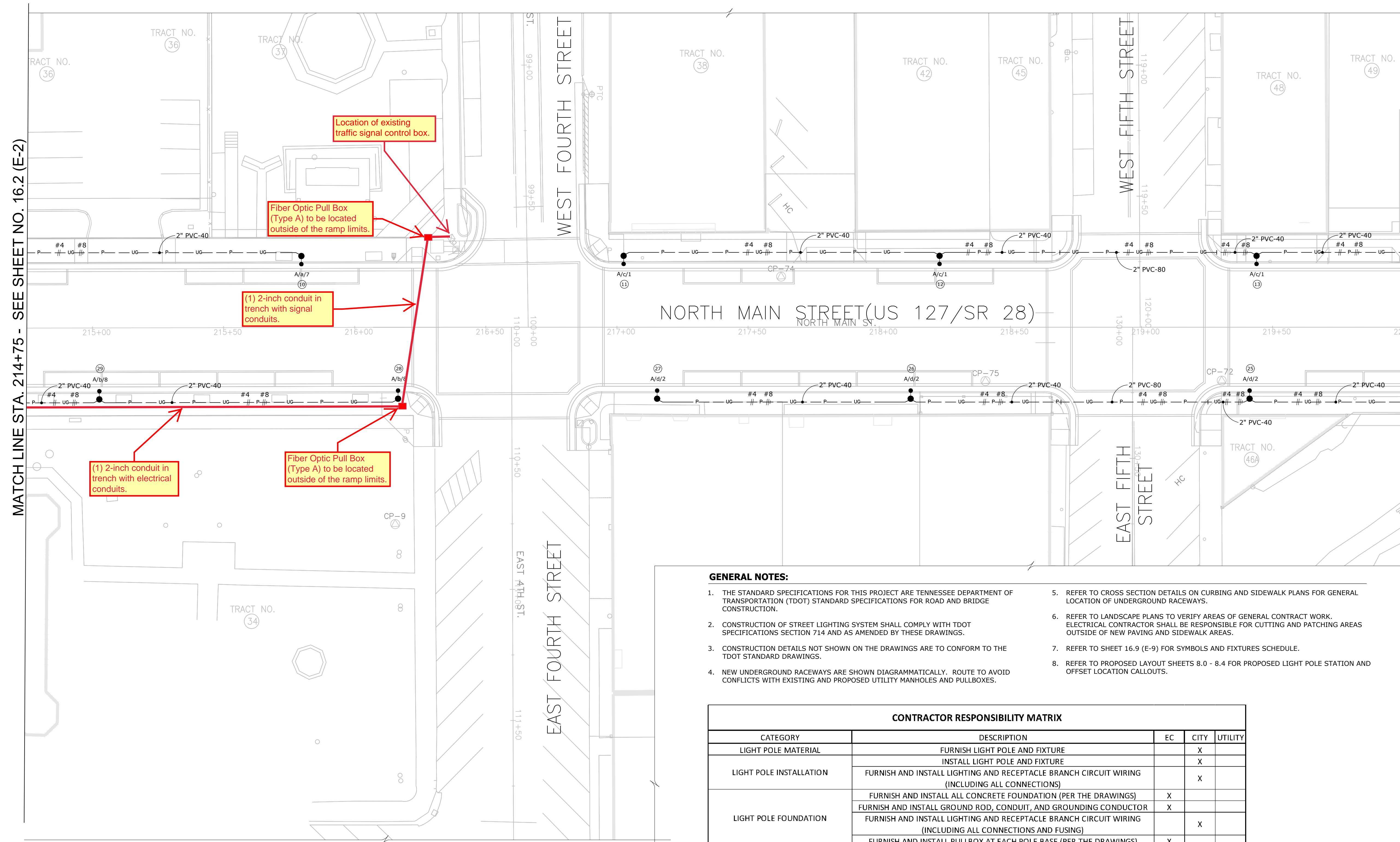
162-15-05 - Slavica Tosonovic - 2021-07-23 10:11 AM

**LIGHT POLE LEGEND**



MATCH LINE STA. 214+75 - SEE SHEET NO. 16.2 (E-2)

MATCH LINE STA. 220+00 - SEE SHEET NO. 16.4 (E-4)



Location of existing traffic signal control box.

Fiber Optic Pull Box (Type A) to be located outside of the ramp limits.

(1) 2-inch conduit in trench with signal conduits.

(1) 2-inch conduit in trench with electrical conduits.

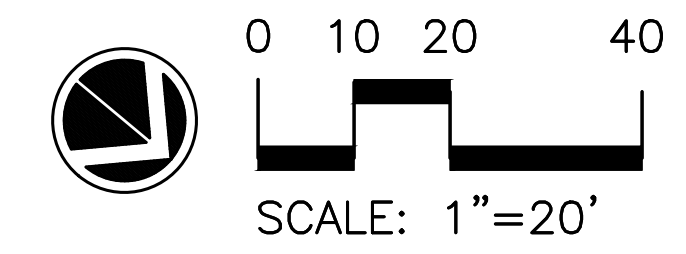
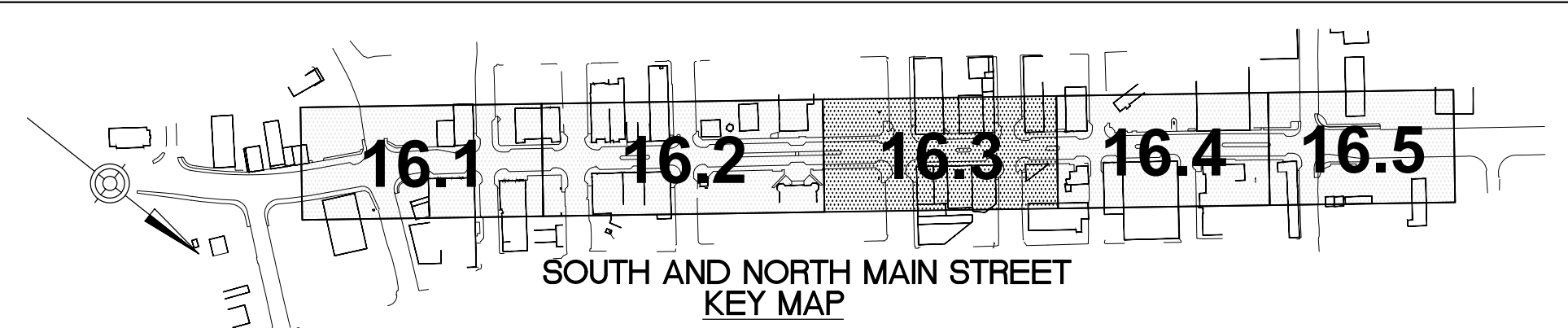
Fiber Optic Pull Box (Type A) to be located outside of the ramp limits.

**GENERAL NOTES:**

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**CONTRACTOR RESPONSIBILITY MATRIX**

CATEGORY	DESCRIPTION	EC	CITY	UTILITY
LIGHT POLE MATERIAL	FURNISH LIGHT POLE AND FIXTURE		X	
	INSTALL LIGHT POLE AND FIXTURE		X	
LIGHT POLE INSTALLATION	FURNISH AND INSTALL LIGHTING AND RECEPTACLE BRANCH CIRCUIT WIRING (INCLUDING ALL CONNECTIONS)		X	
	FURNISH AND INSTALL ALL CONCRETE FOUNDATION (PER THE DRAWINGS)	X		
LIGHT POLE FOUNDATION	FURNISH AND INSTALL GROUND ROD, CONDUIT, AND GROUNDING CONDUCTOR	X		
	FURNISH AND INSTALL LIGHTING AND RECEPTACLE BRANCH CIRCUIT WIRING (INCLUDING ALL CONNECTIONS AND FUSING)		X	
	FURNISH AND INSTALL PULLBOX AT EACH POLE BASE (PER THE DRAWINGS)	X		
LIGHTING CONTROL PANEL ASSEMBLY	FURNISH AND INSTALL ENTIRE ASSEMBLY (PER THE DRAWINGS)	X		
	CONDUIT FROM PANEL TO RISER POLE	X		
	SERVICE LATERAL CONDUCTORS			X
UNDERGROUND CONDUIT/WIRING	FURNISH AND INSTALL LIGHTING AND RECEPTACLE BRANCH CIRCUIT WIRING (FROM LIGHT POLE TO BREAKER)		X	
	TRENCH AND BACKFILL (INCLUDING WARNING RIBBON)	X		
	DIRECT BURY CONDUIT	X		
	FURNISH AND INSTALL ALL BRANCH CIRCUIT WIRING (PER PLANS)		X	



162-15-05 - Slavica Tosanovic - 2021-07-23 10:11 AM



NO.	REVISION	DATE

CITY OF CROSSVILLE, TN  
SIDEWALK REPLACEMENT  
PROJECT

SCALE: AS SHOWN  
DATE: 7/23/21  
DESIGNED BY: DH  
DRAWN BY: PTA  
CHECKED BY: DH

LIGHTING PLAN  
MAIN STREET  
(US 127 / SR 28)

PROJECT NO:	181048
DRAWING NAME:	16.3
SHEET OF:	16.3 83

## Work Change Directive No. 4

Project Title Downtown Pedestrian Improvements Date 7/19/24  
US127/SR28  
 Federal Project No.: TAP-28(68)  
State Project No.: 18LPLM-F3-015

Owner City of Crossville CT Project No. 181048

Contractor(s) Adams Contracting, LLC TDOT PIN: 126662.00

You are hereby instructed to effect for the foregoing named project, the following modifications as noted below, to the work described in the contract:

During construction it was discovered that no aggregate base is present under portions of the existing sidewalks. As such, additional grading and excavation will be required to install the new sidewalks. The plan quantities include 32,015 SF of 4" sidewalk (with a 3" aggregate base) and 10,045 SF of 6" sidewalk (with a 5" aggregate base). Assuming no aggregate base exists, this would require approximately 360 CY of excavation. Therefore, an estimated quantity of three hundred sixty (360) CY of Item No. 203-01 (Road & Drainage Excavation (Unclassified)) is added to address this item. The contractor has provided a cost of \$80/CY, which will increase the construction cost by \$28,800.00.

Estimated Increase \$28,800.00

This form shall be used as evidence that the Owner and Contractor expect that the costs for the work addressed herein will be incorporated into a subsequently issued Change Order in accordance with the contract.

7/19/2024  
Date

\_\_\_\_\_  
CT Consultants

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contractor's Authorized Representative

\_\_\_\_\_  
Date

\_\_\_\_\_  
Owner

- DISTRIBUTION
1. Contractor
  2. Owner
  3. Project Manager
  4. File

---

**From:** Melanie Anderkin <[melanie@adamscontractingky.com](mailto:melanie@adamscontractingky.com)>  
**Sent:** Monday, July 15, 2024 8:55 AM  
**To:** James Golias <[JGolias@ctconsultants.com](mailto:JGolias@ctconsultants.com)>  
**Cc:** Tracy Barrett <[tracy@adamscontractingky.com](mailto:tracy@adamscontractingky.com)>; Eddie Bigelow <[Eddie.Bigelow@consoreng.com](mailto:Eddie.Bigelow@consoreng.com)>  
**Subject:** 126662.00 Crossville R&D

CAUTION! This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi James,

Adams submits a price of \$80/CY to perform that Road & Drainage work as discussed in the progress meeting.

We are ready to execute a change order, but I do not want that to hold up our payment. We can wait until next month on payment for the wattle and the R&D.

Please advise.

Thanks,  
Melanie

Melanie Anderkin, P.E. | Sr. Project Engineer  
[Adams Contracting, LLC](#) | 131 Prosperous Place, Suite 19A, Lexington, KY 40509  
Office & Fax (859) 629-4948 | Cell / Text (859) 536-9139

# TENNESSEE PAYITEM AVERAGE REPORT

Pay Item	Description	Avg Quantity	Unit	Wtd Avg Bid	High Bid	Low Bid	#	Total Quantity	Total \$
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	267.273	C.Y.	\$72.03	\$165.00	\$25.00	11	2,940.000	\$211,769.20

REPORT PARAMETERS	
Pay Item	203-01 - Road & Drainage Excavation (Unclassified)
Project Type	All Project Types
Position	Only Low
Region	Region 2
Date Range	6/17/2022 to 6/21/2024
Quantity Range	From 0.000 to 1,000.000
User ID	scott@adamscontractingky.com



ADAMS CONTRACTING WORKSHEET  
 203-01  
 Road & Drainage Excavation (Unclassified)

QTY	UNIT	UNIT PRICE	TOTAL PRICE
600	CY	\$ 80.26	\$ 48,154.25

MATERIALS

UNIT	QUANTITY	UNIT RATE	TOTAL MATERIALS
EA	1.00	\$ -	\$ -
LS	1.00	\$ -	\$ -
EA	1.00	\$ -	\$ -
SF	1.00	\$ -	\$ -
SUBTOTAL			\$ -
SALES TAX			\$ -
TOTAL			\$ -

LABOR

UNIT	QUANTITY	BASE RATE	TOTAL LABOR	OVERTIME FACTOR	
				(10%)	LABOR BURDEN (45%)
FOREMAN HR	64.00	\$ 55.00	\$ 3,520.00	\$ -	\$ 1,584.00
CLASS A OPERATOR HR	0.00	\$ 30.00	\$ -	\$ -	\$ -
UNSKILLED LABORER HR	0.00	\$ 22.00	\$ -	\$ -	\$ -
SKILLED LABORER HR	0.00	\$ 24.00	\$ -	\$ -	\$ -
CARPENTER HR	0.00	\$ 30.00	\$ -	\$ -	\$ -
<b>TOTAL LABOR</b>			<b>\$ 3,520.00</b>	<b>\$ -</b>	<b>\$ 1,584.00</b>

EQUIPMENT

UNIT	QUANTITY	OPER RATE	STANDBY RATE	TOTAL UNIT	TOTAL EQUIPMENT
RAM 2500 Laramie 4x4 Diesel HR	16.00	\$ 54.82	\$ -	\$ 54.82	\$ 877.12
HR	0.00	\$ -	\$ -	\$ -	\$ -
RAM 2500 Laramie 4x4 Diesel HR	48.00	\$ -	\$ 15.35	\$ 15.35	\$ 736.80
HR	0.00	\$ -	\$ 13.26	\$ 13.26	\$ -
HR	0.00	\$ -	\$ -	\$ -	\$ -
HR	0.00	\$ -	\$ -	\$ -	\$ -
HR	0.00	\$ -	\$ -	\$ -	\$ -
HR	0.00	\$ -	\$ -	\$ -	\$ -
HR	0.00	\$ -	\$ -	\$ -	\$ -
<b>TOTAL EQUIPMENT</b>					<b>\$ 1,613.92</b>

SUBCONTRACTOR

UNIT	QUANTITY	UNIT RATE	TOTAL MATERIALS
Stubbs Construction Services CY	600.00	\$ 63.42	\$ 38,052.00
SUBTOTAL			\$ 38,052.00
SALES TAX			\$ -
TOTAL			\$ 38,052.00

	TOTAL COST	MARKUP	TOTAL PRICE
LABOR COST	\$ 3,520.00	15.00%	\$ 4,048.00
BURDEN COST	\$ 1,584.00	0.00%	\$ 1,584.00
EQUIPMENT COST	\$ 1,613.92	15.00%	\$ 1,856.01
MATERIALS COST	\$ -	15.00%	\$ -
SUBCONTRACTOR COST	\$ 38,052.00	5.00%	\$ 39,954.60
SUBTOTAL			\$ 47,442.61
BOND INCREASE			\$ 711.64
TOTAL			\$ 48,154.25
UNIT PRICE			\$ 80.26 CY

203-01  
Road & Drainage Excavation (Unclassified)

QTY	UNIT	UNIT PRICE	TOTAL PRICE
600	CY	\$ 63.42	\$ 38,053.19

MATERIALS

UNIT	QUANTITY	UNIT RATE	TOTAL MATERIALS
CY	0.00	\$ -	\$ -
LBS	0.00	\$ -	\$ -
SF	0.00	\$ -	\$ -
SF	0.00	\$ -	\$ -
			\$ -
			\$ -
			\$ -

SUBTOTAL  
SALES TAX  
TOTAL

LABOR

UNIT	QUANTITY	BASE RATE	OVERTIME FACTOR			
			TOTAL LABOR	(10%)	LABOR BURDEN (45%)	
DUMP TRUCK DRIVER	HR	64.00	\$ 30.00	\$ 1,920.00	\$ 192.00	\$ 950.40
CLASS A OPERATOR	HR	64.00	\$ 36.00	\$ 2,304.00	\$ 230.40	\$ 1,140.48
CLASS B OPERATOR	HR	64.00	\$ 30.00	\$ 1,920.00	\$ 192.00	\$ 950.40
TRUCK DRIVER	HR	64.00	\$ 25.50	\$ 1,632.00	\$ 163.20	\$ 807.84
	HR	0.00	\$ -	\$ -	\$ -	\$ -
<b>TOTAL LABOR</b>				<b>\$ 7,776.00</b>	<b>\$ 777.60</b>	<b>\$ 3,849.12</b>

EQUIPMENT

UNIT	QUANTITY	OPER RATE	STANDBY RATE	TOTAL UNIT	TOTAL EQUIPMENT
Chevrolet 3500 Dually	HR	64.00	\$ 59.60	\$ 59.60	\$ 3,814.40
RAM 2500 Laramie 4x4 Diesel	HR	16.00	\$ 54.82	\$ 54.82	\$ 877.12
Chevrolet 3500 Dually	HR	0.00	\$ -	\$ 16.04	\$ -
RAM 2500 Laramie 4x4 Diesel	HR	48.00	\$ -	\$ 15.35	\$ 736.80
CAT 289 Skid Steer	HR	64.00	\$ 75.91	\$ 75.91	\$ 4,858.24
CAT 305 Mini Excavator	HR	64.00	\$ 32.79	\$ 32.79	\$ 2,098.56
Tri Axle Dump Truck	HR	64.00	\$ 61.04	\$ 61.04	\$ 3,906.56
Syd Dump Trailer	HR	64.00	\$ 37.97	\$ 37.97	\$ 2,430.08
Equipment Trailer	HR	64.00	\$ 25.10	\$ 25.10	\$ 1,606.40
<b>TOTAL EQUIPMENT</b>					<b>\$ 20,328.16</b>

SUBCONTRACTOR

UNIT	QUANTITY	UNIT RATE	TOTAL MATERIALS
N/A	LS	0.00	\$ 150.00
			\$ -
			\$ -
			\$ -

SUBTOTAL  
SALES TAX  
TOTAL

LABOR COST  
BURDEN COST  
EQUIPMENT COST  
MATERIALS COST  
SUBCONTRACTOR COST

TOTAL COST	MARKUP	TOTAL PRICE
\$ 8,553.60	20.00%	\$ 10,264.32
\$ 3,849.12	0.00%	\$ 3,849.12
\$ 20,328.16	15.00%	\$ 23,377.38
\$ -	15.00%	\$ -
\$ -	5.00%	\$ -

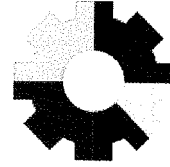
SUBTOTAL  
BOND INCREASE  
TOTAL  
UNIT PRICE

\$ 37,490.82
\$ 562.36
<b>\$ 38,053.19</b>
\$ 63.42 CY

**Rental Rate Blue Book®, O&O Rates Report for JasonRogers25 in Crossville**

July 17, 2024

**Chevrolet SILVERADO 3500HD HIGH COUNTRY 4X4 DIESEL**  
 Light Duty Trucks

 Size Class:  
**3**  
 Weight:  
**N/A**

**Configuration for SILVERADO 3500HD HIGH COUNTRY 4X4 DIESEL**

Power Mode	<b>Diesel</b>	Wheelbase	<b>158.9 Inches</b>
Model Trim	<b>High Country</b>	Gross Vehicle Weight Rating	<b>12100 Pounds</b>

**Blue Book Rates**

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$5,580.00	USD \$1,565.00	USD \$390.00	USD \$59.00	USD \$29.89	USD \$61.59
<b>Adjustments</b>						
Region ( Tennessee: 93.7%)	(USD \$351.54)	(USD \$98.60)	(USD \$24.57)	(USD \$3.72)		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
<b>Total:</b>	<b>USD \$5,228.46</b>	<b>USD \$1,466.41</b>	<b>USD \$365.43</b>	<b>USD \$55.28</b>	<b>USD \$29.89</b>	<b>USD \$59.60</b>

**Non-Active Use Rates**

Standby Rate		<b>Hourly</b>
Idling Rate		USD \$16.04
		USD \$44.72

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	22%	USD \$1,227.60/mo
Overhaul (ownership)	46%	USD \$2,566.80/mo
CFC (ownership)	15%	USD \$837.00/mo
Indirect (ownership)	17%	USD \$948.60/mo
Fuel (operating) @ USD 3.66	50.22%	USD \$15.01/hr

Revised Date: 3rd quarter 2024

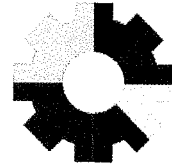
These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for Jason Rogers (jrogers@adamscontractingky.com)

**Rental Rate Blue Book®, O&O Rates Report for JasonRogers22 in Crossville**

July 17, 2024

**RAM 2500 LARAMIE 4X4 DIESEL**  
 Light Duty Trucks

 Size Class:  
**2**  
 Weight:  
**N/A**

**Configuration for 2500 LARAMIE 4X4 DIESEL**

<b>Power Mode</b>	<b>Diesel</b>	<b>Wheelbase</b>	<b>149 Inches</b>
<b>Model Trim</b>	<b>Laramie</b>	<b>Gross Vehicle Weight Rating</b>	<b>10000 Pounds</b>

**Blue Book Rates**

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly USD \$26.39	FHWA Rate** Hourly USD \$56.73
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$5,340.00	USD \$1,495.00	USD \$375.00	USD \$56.00		
<b>Adjustments</b>						
Region ( Tennessee: 93.7%)	(USD \$336.42)	(USD \$94.18)	(USD \$23.63)	(USD \$3.53)		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
<b>Total:</b>	<b>USD \$5,003.58</b>	<b>USD \$1,400.81</b>	<b>USD \$351.38</b>	<b>USD \$52.47</b>	<b>USD \$26.39</b>	<b>USD \$54.82</b>

**Non-Active Use Rates**

Standby Rate	<b>Hourly</b> USD \$15.35
Idling Rate	USD \$40.81

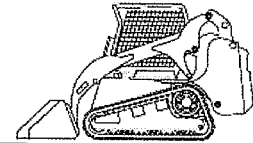
**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	22%	USD \$1,174.80/mo
Overhaul (ownership)	46%	USD \$2,456.40/mo
CFC (ownership)	15%	USD \$801.00/mo
Indirect (ownership)	17%	USD \$907.80/mo
Fuel (operating) @ USD 3.66	46.91%	USD \$12.38/hr

Revised Date: 3rd quarter 2024

**Rental Rate Blue Book®, O&O Rates Report for JasonRogers17 in Crossville**

July 17, 2024

**Caterpillar 289D3**  
 Compact Track Loaders

 Size Class:  
**2501 - 2850 lbs**  
 Weight:  
 N/A

**Configuration for 289D3**

Horsepower	<b>72.9 hp</b>	Operator Protection	<b>ROPS/FOPS</b>
Power Mode	<b>Diesel</b>		

**Blue Book Rates**

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly USD \$29.07	FHWA Rate** Hourly USD \$78.59
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$8,715.00	USD \$2,440.00	USD \$610.00	USD \$92.00		
<b>Adjustments</b>						
Region ( Tennessee: 94.6%)	(USD \$470.61)	(USD \$131.76)	(USD \$32.94)	(USD \$4.97)		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
<b>Total:</b>	<b>USD \$8,244.39</b>	<b>USD \$2,308.24</b>	<b>USD \$577.06</b>	<b>USD \$87.03</b>	<b>USD \$29.07</b>	<b>USD \$75.91</b>

**Non-Active Use Rates**

	Hourly
Standby Rate	USD \$21.55
Idling Rate	USD \$56.71

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	21%	USD \$1,830.15/mo
Overhaul (ownership)	54%	USD \$4,706.10/mo
CFC (ownership)	11%	USD \$958.65/mo
Indirect (ownership)	14%	USD \$1,220.10/mo
Fuel (operating) @ USD 3.66	33.95%	USD \$9.87/hr

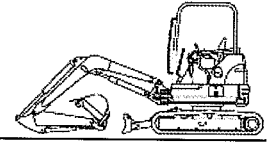
Revised Date: 3rd quarter 2024

**Rental Rate Blue Book®, O&O Rates Report for JasonRogers18 in Crossville**

July 17, 2024

**Caterpillar 305E2 CR (disc. 2022)**  
Crawler Mounted Compact Excavators

Size Class:  
4.5 - 5.4 mt  
Weight:  
N/A



**Configuration for 305E2 CR (disc. 2022)**

Horsepower **40.2 hp**      Operating Weight **11433 lbs**  
Operator Protection **ROPS**      Power Mode **Diesel**

**Blue Book Rates**

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly USD \$15.22	FHWA Rate** Hourly USD \$33.91
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$3,290.00	USD \$920.00	USD \$230.00	USD \$35.00		
<b>Adjustments</b>						
Region ( Tennessee: 94%)	(USD \$197.40)	(USD \$55.20)	(USD \$13.80)	(USD \$2.10)		
Model Year (2022: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$3,092.60</b>	<b>USD \$864.80</b>	<b>USD \$216.20</b>	<b>USD \$32.90</b>	<b>USD \$15.22</b>	<b>USD \$32.79</b>

**Non-Active Use Rates**

	Hourly
Standby Rate	USD \$11.25
Idling Rate	USD \$23.01

**Rate Element Allocation**

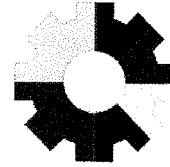
Element	Percentage	Value
Depreciation (ownership)	27%	USD \$888.30/mo
Overhaul (ownership)	36%	USD \$1,184.40/mo
CFC (ownership)	19%	USD \$625.10/mo
Indirect (ownership)	18%	USD \$592.20/mo
Fuel (operating) @ USD 3.66	35.74%	USD \$5.44/hr

Revised Date: 3rd quarter 2024

**Rental Rate Blue Book®, O&O Rates Report for JasonRogers21 in Crossville**

July 17, 2024

**Miscellaneous 6X4 10YD 40KGVW**  
 On-Highway Rear Dumps

 Size Class:  
**33,001 - 45,000 lbs**  
 Weight:  
**12712 lbs**

**Configuration for 6X4 10YD 40KGVW**

Axle Configuration	<b>6X4</b>	Horsepower	<b>315.0</b>
Maximum Gross Vehicle Weight	<b>40000.0 lbs</b>	Power Mode	<b>Diesel</b>
Struck Capacity	<b>8.0 - 10.0 cu yd</b>		

**Blue Book Rates**

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$2,985.00	USD \$835.00	USD \$210.00	USD \$32.00	USD \$44.98	USD \$61.94
<b>Adjustments</b>						
Region ( Tennessee: 94.7%)	(USD \$158.21)	(USD \$44.26)	(USD \$11.13)	(USD \$1.70)		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$2,826.79</b>	<b>USD \$790.74</b>	<b>USD \$198.87</b>	<b>USD \$30.30</b>	<b>USD \$44.98</b>	<b>USD \$61.04</b>

**Non-Active Use Rates**

	Hourly
Standby Rate	USD \$11.56
Idling Rate	USD \$48.32

**Rate Element Allocation**

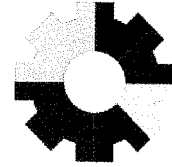
Element	Percentage	Value
Depreciation (ownership)	50%	USD \$1,492.50/mo
Overhaul (ownership)	28%	USD \$835.80/mo
CFC (ownership)	11%	USD \$328.35/mo
Indirect (ownership)	11%	USD \$328.35/mo
Fuel (operating) @ USD 3.66	71.72%	USD \$32.26/hr

Revised Date: 3rd quarter 2024

**Rental Rate Blue Book®, O&O Rates Report for JasonRogers23 in Crossville**

July 17, 2024

**Miscellaneous 2 AXLE 4 TIRE 20'**  
 Lowboy Trailers

 Size Class:  
**All**  
 Weight:  
**N/A**

**Configuration for 2 AXLE 4 TIRE 20'**

 Power Mode **Manual**
**Blue Book Rates**

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly USD \$7.56	FHWA Rate** Hourly USD \$25.77
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$3,205.00	USD \$900.00	USD \$225.00	USD \$34.00		
<b>Adjustments</b>						
Region ( Tennessee: 96.3%)	(USD \$118.58)	(USD \$33.30)	(USD \$8.32)	(USD \$1.26)		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$3,086.42</b>	<b>USD \$866.70</b>	<b>USD \$216.68</b>	<b>USD \$32.74</b>	<b>USD \$7.56</b>	<b>USD \$25.10</b>

**Non-Active Use Rates**

	Hourly
Standby Rate	USD \$12.63
Idling Rate	USD \$17.54

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	46%	USD \$1,474.30/mo
Overhaul (ownership)	28%	USD \$897.40/mo
CFC (ownership)	15%	USD \$480.75/mo
Indirect (ownership)	11%	USD \$352.55/mo

Fuel cost data is not available for these rates.

Revised Date: 3rd quarter 2024

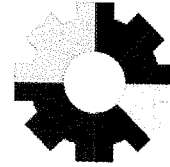


## Rental Rate Blue Book®, O&O Rates Report for JasonRogers20 in Crossville

July 17, 2024

**Miscellaneous 11-10**  
On-Highway Rear Dump Full Trailers

Size Class:  
All  
Weight:  
N/A



### Configuration for 11-10

Capacity	<b>10.0 cu yd</b>	Number Of Axles	<b>2.0</b>
Payload	<b>11.0 t</b>		

### Blue Book Rates

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly USD \$4.50	FHWA Rate** Hourly USD \$11.69
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$1,265.00	USD \$355.00	USD \$89.00	USD \$13.00		
<b>Adjustments</b>						
Region ( 100%)	-	-	-	-		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
<b>Total:</b>	<b>USD \$1,265.00</b>	<b>USD \$355.00</b>	<b>USD \$89.00</b>	<b>USD \$13.00</b>	<b>USD \$4.50</b>	<b>USD \$11.69</b>

### Non-Active Use Rates

Standby Rate	<b>Hourly</b>
Idling Rate	USD \$4.17
	USD \$7.19

### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	40%	USD \$506.00/mo
Overhaul (ownership)	42%	USD \$531.30/mo
CFC (ownership)	9%	USD \$113.85/mo
Indirect (ownership)	9%	USD \$113.85/mo

Fuel cost data is not available for these rates.

Revised Date: 3rd quarter 2024