

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 2

1. CONTRACTOR: Champion Infrastructure

2. Change Order Work Limits: Sta. N/A to Sta. N/A

3. Type of Change(on federal-aid non-exempt projects): Minor (Major/Minor)

4. Reasons: 2E (3 Max. - In order of importance - Primary first)

Project: 1907-333

Roadway: O'Connor Traffic Signals

CSJ Number: _____

5. Describe the work being revised:

2E: Differing Site Conditions (unforeseeable). Miscellaneous difference in site conditions (unforeseeable). This Change Order changes the method of construction from directional boring to open trenching for the installation of conduits under the existing roadway for the signals at the intersection of O'Connor Drive and Great Oaks Drive. To accommodate the open cut trench method, the designer changed the conduit from 2 - 3 inch and 1 - 2 inch conduits to 4 - 2 inch conduits. This Change Order also adds a new Force Account item to pay for off-duty police officers and vehicles for traffic control during open trenching operations at the Great Oaks and Morgan Hill intersections.

6. Work to be performed in accordance with Items: See attached.

7. New or revised plan sheet(s) are attached and numbered: N/A

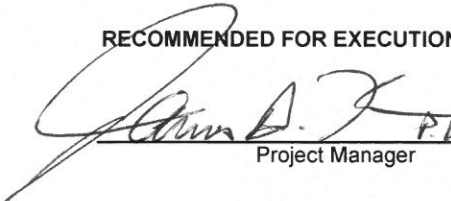
8. New Special Provisions/Specifications to the contract are attached: ☐ Yes ☒ No

9. New Special Provisions to Item N/A No. N/A, Special Specification Item N/A are attached.

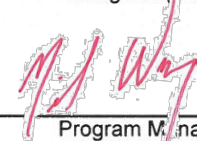
Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

The contractor must sign the Change Order and, by doing so, agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change. THE CONTRACTOR Date <u>9/27/2020</u> By <u>Maury Milliorn</u> Digitally signed by Maury Milliorn Date: 2020.09.28 06:56:22 -0500 Typed/Printed Name <u>Maury Milliorn</u> Typed/Printed Title <u>Project Manager</u>	The following information must be provided Time Ext. #: <u>N/A</u> Days added on this CO: <u>0</u> Amount added by this change order: <u>\$33,656.00</u>
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RECOMMENDED FOR EXECUTION:

 P.F. 9/28/20
 Project Manager Date

N/A
 Design Engineer Date

 9/29/2020
 Program Manager Date

Design Engineer's Seal:

County Commissioner Precinct 1 Date

☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 2 Date

☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 3 Date

☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 4 Date

☐ APPROVED ☐ REQUEST APPROVAL

County Judge Date

☐ APPROVED

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 2

Project # 1907-333

TABLE A: Force Account Work and Materials Placed into Stock

	LABOR	HOURLY RATE			HOURLY RATE

TABLE B: Contract Items:

				ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
618-6047	CONDT (PVC) (SCH 80) (2")(BORE)	LF	\$30.00	710.00	\$21,300.00	(300.00)	410.00	\$12,300.00	(\$9,000.00)
618-6054	CONDT (PVC) (SCH 80) (3")(BORE)	LF	\$40.00	1,250.00	\$50,000.00	(600.00)	650.00	\$26,000.00	(\$24,000.00)
618-WC01	CONDT (PVC) (SCH 80) (2")(OPEN CUT) FOR GREAT OAKS (INCL. TRAFFIC CONTROL)	LF	\$48.88	0.00	\$0.00	1,200.00	1,200.00	\$58,656.00	\$58,656.00
999-WC03	FORCE ACCOUNT - OFF DUTY POLICE OFFICER	DOL	\$1.00	0.00	\$0.00	8,000.00	8,000.00	\$8,000.00	\$8,000.00
TOTALS					\$71,300.00			\$104,956.00	\$33,656.00

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	1A. Incorrect PS&E 1B. Other
2. Differing Site Conditions (unforeseeable)	2A. Dispute resolution (expense caused by conditions and/or resulting delay) 2B. Unavailable material 2C. New development (conditions changing after PS&E completed) 2D. Environmental remediation 2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9) 2F. Site conditions altered by an act of nature 2G. Unadjusted utility (unforeseeable) 2H. Unacquired Right-of-Way (unforeseeable) 2I. Additional safety needs (unforeseeable) 2J. Other
3. County Convenience	3A. Dispute resolution (not resulting from error in plans or differing site conditions) 3B. Public relations improvement 3C. Implementation of a Value Engineering finding 3D. Achievement of an early project completion 3E. Reduction of future maintenance 3F. Additional work desired by the County 3G. Compliance requirements of new laws and/or policies 3H. Cost savings opportunity discovered during construction 3I. Implementation of improved technology or better process 3J. Price adjustment on finished work (price reduced in exchange for acceptance) 3K. Addition of stock account or material supplied by state provision 3L. Revising safety work/measures desired by the County 3M. Other
4. Third Party Accommodation	4A. Failure of a third party to meet commitment 4B. Third party requested work 4C. Compliance requirements of new laws and/or policies (impacting third party) 4D. Other
5. Contractor Convenience	5A. Contractor exercises option to change the traffic control plan 5B. Contractor requested change in the sequence and/or method of work 5C. Payment for Partnering workshop 5D. Additional safety work/measures desired by the contractor 5E. Other
6. Untimely ROW/Utilities	6A. Right-of-Way not clear (third party responsibility for ROW) 6B. Right-of-Way not clear (County responsibility for ROW) 6C. Utilities not clear 6D. Other

Williamson County Road Bond Program

**O'Connor Traffic Signals
Williamson County Project No. 1907-333**

Change Order No. 2

Reason for Change

This Change Order changes method of construction from directional boring to open trenching for the installation of conduits under the existing roadway at the intersection of O'Connor Drive and Great Oaks Drive. This change in the method of construction was necessary due to the location of existing utilities within the right of way and in the roadway. To accommodate the open trenching method, the designer changed the conduit from 2 – 3 inch and 1 – 2 inch conduits to 4 – 2 inch conduits. The conduit run equals approximately 300 feet and this change order adds an additional 2 inch run to the project, totally 1,200 linear feet.

This Change Order also adds a new Force Account item to pay for off-duty police officers and vehicles used for traffic control during open trenching operations at the intersections of O'Connor Drive and Great Oaks Drive and O'Connor Drive and Morgan Hill Drive.

Following is a summary of the new item required for this Change Order:

ITEM	DESCRIPTION	QTY	UNIT
618-WC01	CONDT (PVC) (SCH 80) (2") (OPEN CUT) FOR GREAT OAKS (INCL. TRAFFIC CONTROL)	1,200	LF
999-WC03	FORCE ACCOUNT - OFF DUTY POLICE OFFICER	8,000	DOL

This Change Order results in an increase of \$33,656.00 to the Contract amount, for an adjusted Contract total of \$906,842.54. The original Contract amount was \$853,503.50. Because of this and all other Change Orders, a total of \$53,339.04 has been added to the Contract, resulting in a 6.25% net increase in the Contract cost. No additional days will be added to or deducted from the Contract as a result of this Change Order.

HNTB Corporation
James Klotz, P.E.



COUNTY: WILLIAMSON
PROJECT: 1907-333
C-S-J:
HWY: O'CONNOR DRIVE
JOB #: 190814

FIELD CHANGE: CONDUIT - ROADWAY TRENCH (Great Oaks Dr)

DATE: 16-Sep-20

ITEM #	DESCRIPTION	UNIT	ORIGINAL QUANTITY	FC QUANTITY	NEW TOTAL QUANTITY	UNIT PRICE	AMOUNT
618-6047	CONDUIT (PVC) SCH 80 (2") BORE	LF	300.00	-300.00	0.00	\$30.00	-9,000.00
618-6054	CONDUIT (PVC) SCH 80 (3") BORE	LF	600.00	-600.00	0.00	\$40.00	-24,000.00
618-xxxx	CONDUIT (PVC) SCH 80 (2") ROADWAY	LF		1,200.00	1,200.00	\$48.88	58,656.00

FIELD CHANGE AMOUNT: 25,656.00

NOTES:

INCLUDES:

Removal of existing Sidewalk and Concrete Curb & Gutter as necessary for Conduit Installation.
Stabilized Trench Backfill with "temporary" surface treatment.
Traffic Control

EXCLUDES:

Off-Duty Officers for Traffic Control Assistance.
Replacement of Sidewalk and Concrete Curb & Gutter.
Permanent surface treatment repairs (HMAC).
Striping.

CHAMPION

INFRASTRUCTURE LLC



COUNTY: WILLIAMSON
PROJECT: 1907-333
CSJ NO:
CHAMPION JOB NO: 190814

DATE: 16-Sep-20
ITEM: 618
QTY: 1
DESC: CONDUIT - ROADWAY TRENCH

FIELD CHANGE: OPEN TRENCH CONDUIT - ROADWAY (O'Connor Dr @ Great Oaks Dr)

PRICING BREAKDOWN				
MATERIAL	QUANTITY	UNIT	COST	AMOUNT
Attached Sheet	1	LS	\$ 4,063.32	\$ 4,063.32
Subtotal				\$ 4,063.32
15% Compensation				\$ 609.50
Total Material				\$ 4,672.82
LABOR	HOURS	REG/OT	AVER. RATE	AMOUNT
Foreman	136	REG	\$ 27.00	\$ 3,672.00
Foreman	34	OT	\$ 40.50	\$ 1,377.00
Utility Laborer/Operator	136	REG	\$ 19.00	\$ 2,584.00
Utility Laborer/Operator	34	OT	\$ 28.50	\$ 969.00
Utility Laborer/Operator	136	REG	\$ 13.00	\$ 1,768.00
Utility Laborer/Operator	34	OT	\$ 19.50	\$ 663.00
Common Laborer (1)	136	REG	\$ 10.50	\$ 1,428.00
Common Laborer (1)	34	OT	\$ 15.75	\$ 535.50
Raw Labor				\$ 12,996.50
55% Insur. & Taxes				\$ 7,148.08
Labor Sub-Total				\$ 20,144.58
15% Compensation				\$ 3,021.69
Total Labor				\$ 23,166.26
EQUIPMENT			AVER RATE	AMOUNT
Pickup (1-Ton) - Diesel	136	HRS	\$ 22.33	\$ 3,036.88
Pickup (1-Ton) - Diesel	136	HRS	\$ 22.33	\$ 3,036.88
Trailer (14 K-GVWR)	40	HRS	\$ 2.97	\$ 118.80
Trailer (7 K-GVWR), W/Water Tank	136	HRS	\$ 2.73	\$ 371.28
Skid Steer (Bobcat) - (Cat-Trax Rental) - Weekly Rate	3	WKS	\$ 1,050.52	\$ 3,151.56
Rocksaw (Cat-Trax Rental) - Weekly Rate	2	WKS	\$ 1,638.46	\$ 3,276.92
Excavator & Hammer (Cat-Trax Rental) - Weekly Rate	3	WKS	\$ 1,618.93	\$ 4,856.79
Dump Trailer (14K-GVWR)	136	HRS	\$ 2.97	\$ 403.92
Cut-Off Saw (14") - (Gas Powered) - Daily Rate	17	DAY	\$ 30.00	\$ 510.00
Traffic Control (Signs, Stands, Cones, Barricades)	17	DAY	\$ 150.00	\$ 2,550.00
Traffic Control (Arrowboards - 2)	10	DAY	\$ 151.55	\$ 1,515.50
Miscellaneous (Generator, Pavement Breaker, Etc)	17	DAY	\$ 75.00	\$ 1,275.00
Sub Total				\$ 24,103.53
15% Compensation				\$ 3,615.53
Total Equipment				\$ 27,719.06
SUBCONTRACTORS			UNIT PRICE	AMOUNT
				\$ -
				\$ -
Sub Total				\$ -
15% Compensation				\$ -
Total Subcontractor				\$ -
MISCELLANEOUS				
Lodging	8	DAY	\$ 150.00	\$ 1,200.00
Per Diem	11	DAY	\$ 90.00	\$ 990.00
Sub Total				\$ 2,190.00
15% Compensation				\$ 328.50
Total Miscellaneous				\$ 2,518.50
ITEM SUB-TOTAL				\$ 58,076.64
BOND PREMIUM				\$ 580.77
FIELD CHANGE ITEM TOTAL				\$ 58,657.41
ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
CONDUIT - ROADWAY TRENCH	1		\$ 58,657.41	\$ 58,657.41

TAKE-OFF DETAIL

OPEN TRENCH - GREAT OAKS DR

TAKE-OFF DETAIL

OPEN TRENCH - GREAT OAKS DR

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CHAMPION

INFRASTRUCTURE LLC



COUNTY: Williamson
 PROJECT: 1907-333
 CSJ NO: 1907-333
 CHAMPION JOB NO: 190814

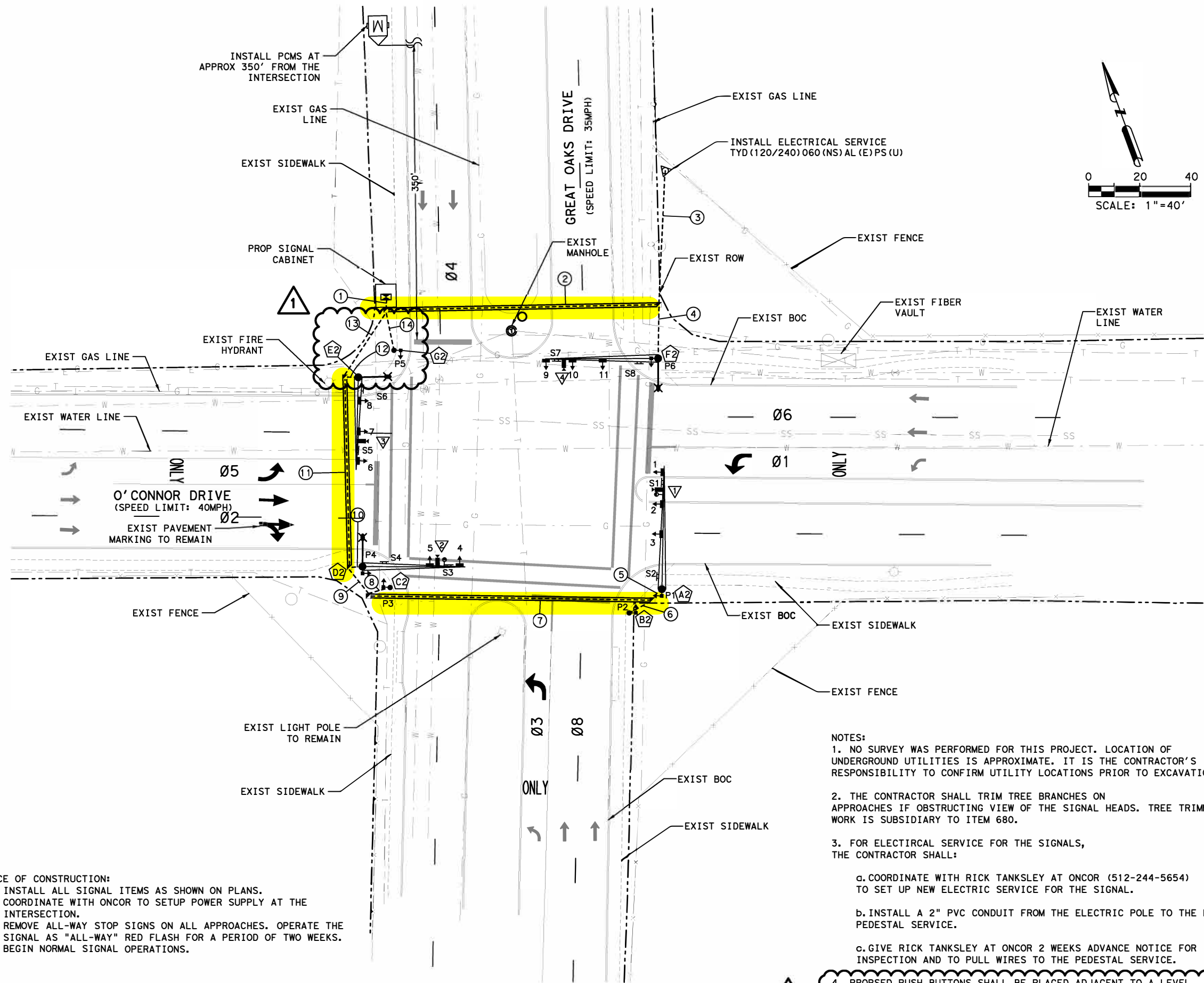
DATE: 16-Sep-20
 ITEM: 999-WC01
 QTY: 1 LS
 DESC: CONDUIT - ROADWAY TRENCH

MATERIALS:

PRICING BREAKDOWN				
MATERIAL DESCRIPTION	QUANTITY	UNIT	COST	AMOUNT
Stabilized Backfill - Temporary (Granite Gravel)	3	CY	\$ 49.31	\$ 147.93
Fill Sand	12	CY	\$ 47.50	\$ 570.00
Concrete Backfill - Quikrete Mix	180	BAG	\$ 4.23	\$ 761.40
Asphalt Repair - Temporary	40	BAG	\$ 14.89	\$ 595.60
Topsoil	3	CY	\$ 28.20	\$ 84.60
Conduit, 2" Sch 80	1320	LF	\$ 0.91	\$ 1,201.20
90 Degree Bend, 2" Sch 80	32	EA	\$ 3.79	\$ 121.28
45 Degree Bend, 2" Sch 80	13	EA	\$ 3.09	\$ 40.17
Coupling, 2"	90	EA	\$ 0.46	\$ 41.40
Bell End, 2"	32	EA	\$ 2.07	\$ 66.24
Solvent/Cement	6	QT	\$ 7.00	\$ 42.00
Duct Tape	2	ROLL	\$ 7.00	\$ 14.00
Plywood (4' x 8' x 3/4") Sheets	8	EA	\$ 25.00	\$ 200.00
Sand Bags (Filled)	50	EA	\$ 3.55	\$ 177.50
			MATERIALS	\$ 4,063.32

SEQUENCE OF CONSTRUCTION:

1. INSTALL ALL SIGNAL ITEMS AS SHOWN ON PLANS.
2. COORDINATE WITH ONCOR TO SETUP POWER SUPPLY AT THE INTERSECTION.
3. REMOVE ALL-WAY STOP SIGNS ON ALL APPROACHES. OPERATE THE SIGNAL AS "ALL-WAY" RED FLASH FOR A PERIOD OF TWO WEEKS.
4. BEGIN NORMAL SIGNAL OPERATIONS.



NOTES:

1. NO SURVEY WAS PERFORMED FOR THIS PROJECT. LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM UTILITY LOCATIONS PRIOR TO EXCAVATION.

2. THE CONTRACTOR SHALL TRIM TREE BRANCHES ON APPROACHES IF OBSTRUCTING VIEW OF THE SIGNAL HEADS. TREE TRIMMING WORK IS SUBSIDIARY TO ITEM 680.

3. FOR ELECTRICAL SERVICE FOR THE SIGNALS, THE CONTRACTOR SHALL:

a. COORDINATE WITH RICK TANKSLEY AT ONCOR (512-244-5654) TO SET UP NEW ELECTRIC SERVICE FOR THE SIGNAL.

b. INSTALL A 2" PVC CONDUIT FROM THE ELECTRIC POLE TO THE NEW PEDESTAL SERVICE.

c. GIVE RICK TANKSLEY AT ONCOR 2 WEEKS ADVANCE NOTICE FOR INSPECTION AND TO PULL WIRES TO THE PEDESTAL SERVICE.

4. PROPOSED PUSH BUTTONS SHALL BE PLACED ADJACENT TO A LEVEL LANDING AREA (2% MAX. SLOPE IN ANY DIRECTION). IF THE DISTANCE FROM THE PUSH BUTTON TO THE EDGE OF THE ACCESSIBLE PATHS EXCEEDS 10", THE CONTRACTOR SHALL FURNISH AND INSTALL A PUSH BUTTON EXTENDER TO MAKE THE REACH 10" OR LESS. MEASUREMENT AND PAVEMENT SHALL BE CONSIDERED SUBSIDIARY TO ITEM 680.

LEGEND

	SIGNAL HEAD & LABEL
	SIGNAL POLE & MAST ARM
	VIVDS CAMERA
	PEDESTRIAN POLE
	PED SIGNAL HEAD
	PED RAMP
	ELECTRICAL SERVICE
	SIGNAL CABINET W/ BBU
	TYPE A GROUND BOX
	TYPE D GROUND BOX
	CONDUIT-TRENCHED
	CONDUIT-BORED
	LUMINAIRE
	OPTICOM
	SIGNAL POLE LABEL
	VIVDS LABEL
	CONDUIT LABEL
	RAISED PVMT MARKER
	EXIST UNDERGROUND ELEC
	EXIST GAS LINE
	EXIST OVERHEAD ELECTRIC
	EXIST STORM DRAIN
	EXIST FIBER OPTIC CABLE
	EXIST WATER LINE
	EXIST WASTE WATER LINE
	FIRE HYDRANT
	VALVE
	RIGHT OF WAY
	FENCE LINE
	EXISTING SIGN
	FLOW ARROWS
	PROP PAVEMENT MARKING



8/16/2019

NO.	ADA, SIDEWALK UPDATES	K-H	8/16/19
NO.	REVISION	BY	DATE

Kimley»Horn

F-928



O'CONNOR DRIVE SIGNALS

O'CONNOR DR AT
GREAT OAKS DR
PROPOSED SIGNAL LAYOUT

SCALE: 1"=40'

SHEET 2 OF 8

STATE	COUNTY	CITY	SHEET NO.
TEXAS	WILLIAMSON	ROUND ROCK	14
PROJECT NO.	ROADWAY		
	O'CONNOR DRIVE		