

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 2

1. CONTRACTOR: Austin Traffic Signal

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: 3F (3 Max. - In order of importance - Primary first)

Project:	<u> T1740 </u>
Roadway:	<u> Sam Bass Interim Signals </u>
CSJ Number:	<u> </u>

5. Describe the work being revised:

3F. County Convenience. Additional work desired by the County. This Change Order adds a protected left turn phase for the westbound and eastbound left turn lanes on Sam Bass Road at the intersection with Great Oaks Drive. This change order also adds a lane assignment sign, corrects a street sign and payment for cost of mobilization for the Contractor to move back in to the project for this additional work.

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

7. New or revised plan sheet(s) are attached and numbered: Sheet 14

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).

<p><i>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.</i></p> <p>THE CONTRACTOR Date _____</p> <p>By _____</p> <p>Typed/Printed Name _____</p> <p>Typed/Printed Title _____</p>	<p>The following information must be provided</p> <p>Time Ext. #: <u> N/A </u> Days added on this CO: <u> 0 </u></p> <p>Amount added by this change order: <u> \$7,027.00 </u></p>
---	---

RECOMMENDED FOR EXECUTION:

<p>_____ Date _____</p> <p>Project Manager</p>	<p>County Commissioner Precinct 1 Date _____</p> <p><input type="checkbox"/> APPROVED <input type="checkbox"/> REQUEST APPROVAL</p>
<p>_____ Date _____</p> <p>N/A</p> <p>Design Engineer</p>	<p>County Commissioner Precinct 2 Date _____</p> <p><input type="checkbox"/> APPROVED <input type="checkbox"/> REQUEST APPROVAL</p>
<p>_____ Date _____</p> <p>Program Manager</p>	<p>County Commissioner Precinct 3 Date _____</p> <p><input type="checkbox"/> APPROVED <input type="checkbox"/> REQUEST APPROVAL</p>
<p>Design Engineer's Seal:</p>	<p>County Commissioner Precinct 4 Date _____</p> <p><input type="checkbox"/> APPROVED <input type="checkbox"/> REQUEST APPROVAL</p>
	<p>County Judge Date _____</p> <p><input type="checkbox"/> APPROVED</p>

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 2

Project # T1740

TABLE A: Force Account Work and Materials Placed into Stock

	LABOR	HOURLY RATE		HOURLY RATE

TABLE B: Contract Items:

ITEM	DESCRIPTION	UNIT	UNIT PRICE	ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		OVERRUN/UNDERRUN
				QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	
500-WC01	MOBILIZATION	LS	\$550.00	0.00	\$0.00	1.00	1.00	\$550.00	\$550.00
636-6009	REPLACE EXISTING ALUMINUM SIGNS (TY A)	EA	\$200.00	0.00	\$0.00	2.00	2.00	\$400.00	\$400.00
682-6002	VEH SIG SEC (12")LED(GRN ARW)	EA	\$450.00	4.00	\$1,800.00	2.00	6.00	\$2,700.00	\$900.00
682-6004	VEH SIG SEC (12")LED(YEL ARW)	EA	\$450.00	5.00	\$2,250.00	4.00	9.00	\$4,050.00	\$1,800.00
682-6006	VEH SIG SEC (12")LED(RED ARW)	EA	\$450.00	3.00	\$1,350.00	2.00	5.00	\$2,250.00	\$900.00
682-6024	BACK PLATE (12") (4 SEC)	EA	\$90.00	3.00	\$270.00	2.00	5.00	\$450.00	\$180.00
684-6033	TRF SIG CBL (TY A)(14AWG)(7 CONDR)	LF	\$3.00	595.00	\$1,785.00	500.00	1,095.00	\$3,285.00	\$1,500.00
690-6024	REMOVE SIGNAL HEAD ASSEMBLY	EA	\$150.00	0.00	\$0.00	2.00	2.00	\$300.00	\$300.00
999-WC02	REGULATORY SIGN PANEL (R3-8LK)	EA	\$472.00	0.00	\$0.00	1.00	1.00	\$472.00	\$472.00
999-WC03	ARROWHEAD STREET SIGN, "CIR" STICKER FOR COVER UP OF "DR"	EA	\$25.00	0.00	\$0.00	1.00	1.00	\$25.00	\$25.00
TOTALS					\$7,455.00			\$14,482.00	\$7,027.00

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

**Sam Bass Interim Traffic Signals
Williamson County Project No. T1740**

Change Order No. 2

Reason for Change

This Change Order adds a protected left turn phase to the signal pattern for the westbound and eastbound left turn lanes on Sam Bass Road at the intersection with Great Oaks Drive. In a review of the traffic flow after the installation of the traffic signals, it was determined that a protected left turn phase was necessary. To accommodate the protected left turn phase, the 3 section signal heads facing the left turn lanes will need to be replaced with 4 section signal heads. This change order also adds a new lane assignment sign facing northbound lanes on Great Oaks to provide notification of the lane assignments at the intersection and corrects the street designation sign to Arrowhead Circle instead of Arrowhead Drive. Existing bid item quantities were overrun to pay for other revisions.

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

ITEM	DESCRIPTION	QTY	UNIT
500-WC01	MOBILIZATION	LS	1
636-6009	REPLACE EXISTING ALUMINUM SIGNS (TY A)	EA	2
690-6024	REMOVE SIGNAL HEAD ASSEMBLY	EA	2
999-WC02	REGULATORY SIGN PANEL (R3-8LK)	EA	1
999-WC03	CIR STICKER TO COVER DR	EA	1

This Change Order results in a net increase of \$7,027.00 to the Contract amount, for an adjusted Contract total of \$355,369.86. The original Contract amount was \$319,866.00. As a result of this and all Change Orders to-date, the Contract has been increased by \$35,503.86, resulting in an 11% net increase in the Contract cost. No additional days will be added to the Contract, as a result of this Change Order.

HNTB Corporation
Lowell D. Choate, P.E.

AUSTIN TRAFFIC SIGNAL CONSTRUCTION COMPANY, INC.

P.O. Box 130
Round Rock, Texas 78680

Ph. (512) 255-9951
Fax (512) 255-0146

June 18, 2021

PROPOSAL

CONTROL : IFB
PROJECT: COORIDOR H SAM BASS
HIGHWAY: SAM BASS/GREAT OAKS
COUNTY: WILLIAMSON

Item No.	UPGRADE	Signal Upgrade to Sam Bass Rd & Great Oaks Dr	Unit of Measure	Approx. Quantities	Amount		
680	UPGRADE	SIGNAL UPGRADE TO SAM BASS RD & GREAT OAKS DR	LS	1.00		\$5,000.00	
						\$6,530.00	
SCOPE OF WORK							
500		MOBILIZATION	LS	1	\$550.00	\$550.00	
684	6033	7 CONDUCTOR	LF	500	\$3.00	\$1,500.00	
682	6006	RED ARROW	EA	2	\$450.00	\$900.00	\$900.00
682	6004	YELLOW ARROW	EA	4	\$450.00	\$1,800.00	\$1,800.00
682	6002	GREEN ARROW	EA	2	\$450.00	\$900.00	\$900.00
682	6024	4 SECTION BACK PLATE	EA	2	\$90.00	\$180.00	
XXX	XXX	REPLACE TY A REGLATORY SIGN	EA	2	\$200.00	\$400.00	
XXX	XXX	REMOVE SIGNAL HEAD ASSEMBLY	LF	2	\$150.00	\$300.00	
Total Bid Amount						\$5,000.00	
						\$6,530.00	

PERFORMANCE & PAYMENT BONDS. - ADD 1% IF REQUIRED.

Contact Clark Thomas 512-255-9951 ext 214

AUSTIN TRAFFIC SIGNAL CONSTRUCTION COMPANY, INC.

P.O. Box 130
Round Rock, Texas 78680

Ph. (512) 255-9951
Fax (512) 255-0146

July 20, 2021

CHANGE ORDER PROPOSAL

PROJECT: CORRIDOR H-SAM BASS ROAD INTERIM SIGNAL PROJECT
PRECINCT NUMBER 1

Item No.	Bid Item Description	Unit of Measure	Approx. Quantities	Unit Bid Price	REMOBILIZATION	Amount
1	LANE ASSIGNMENT SIGN R3-8 LK	EA	1	\$472.00	\$0.00	\$472.00
2	CIR STICKER	EA	1	\$25.00	\$0.00	\$25.00
3	DOUBLE ARROW	EA	1	\$550.00	\$2,500.00	\$3,050.00
Total Bid Amount						\$3,547.00
The Striping Sub has a Remobilization Fee of 2500.00						

Edward Schroeder 512-255-9951 ext 114



REQUEST FOR INFORMATION FORM

RFI NO.: 12 **DATE:** 6/7/21
PROJECT: Corridor H - Sam Bass - Signals **RESPONSE REQUESTED BY**
DATE: 6/15/21
TO: Kuldip Patel (WSP), Ryan Bell (K Friese)

REFERENCE: Great Oaks Signals

PROBLEM:

Drivers are contacting the County requesting a protected left turn on Sam Bass Road at Great Oaks. Apparently, drivers are getting stuck in the left turn lane for multiple signal changes in westbound direction.

RECOMMENDED ACTION:

Please evaluate the left turn movement and provide recommendation for type of left turn signal pattern needed. Passive (similar to Great Oaks north and south direction) or fulling protected?

Clayton Weber, HNTB
Originator

Lowell D. Choate, P.E.
Supervisor

RESPONSE:

We followed FHWA guideline (see sheet 2) for determining type of left-turn phase needed at this intersection. The guideline looks at the crashes, sight distance, speed, no. of conflicting lanes, number of conflicting vehicles etc. None of these suggested a protected left turn phase for the westbound and eastbound left turns at this intersection. However, sighting the concerns from the local residents, we are suggesting protected/permissive left turn phase, similar to the north/south direction, for the westbound and eastbound left turns. A revised plan sheet is included along with this RFI.

Kuldip Patel
Responder

6/9/2021
Date

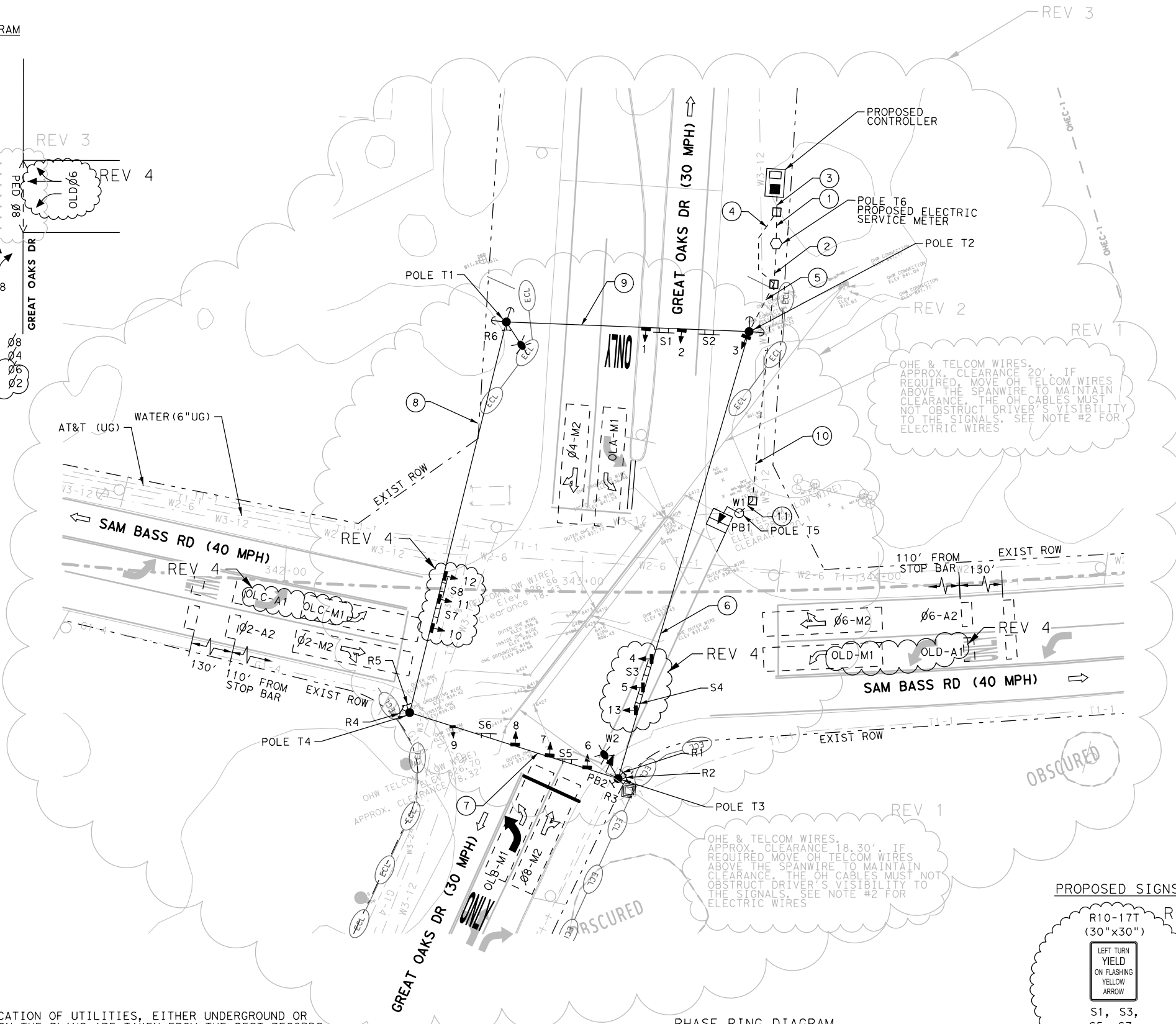
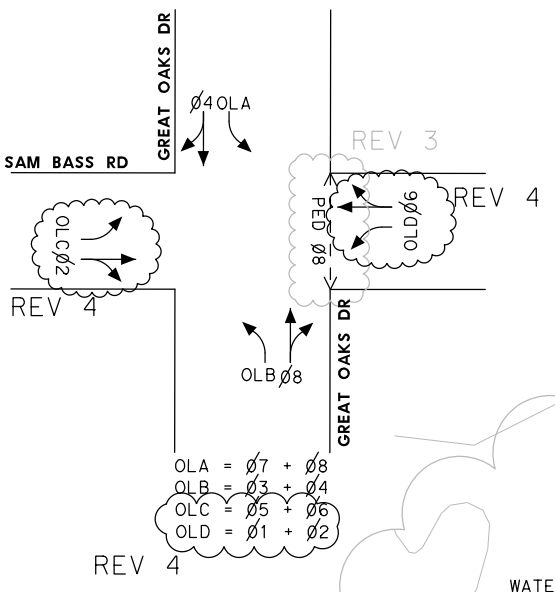
Sign, Date & Return to HNTB via e-mail.

Mail original to: HNTB Corporation
101 E Old Settlers Blvd, Ste 100
Round Rock, Texas 78664

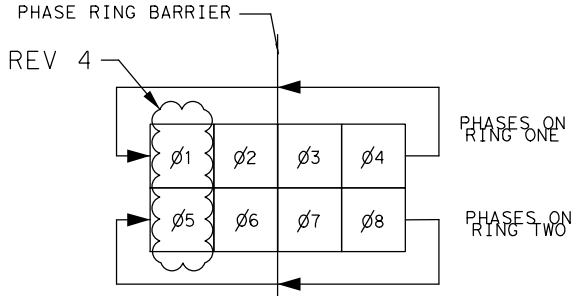
Attachments to RFI:
Cc:

c:\bms\wsp-dp-us-dw-02\wsp-mat\threvi-ve\l\imand\0250868\SAMBASS-GREATOAKS-SGNL-Inter.im-02.dgn

PHASING DIAGRAM



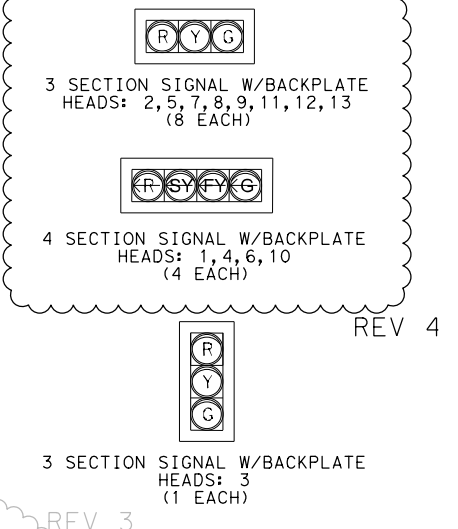
PHASE RING DIAGRAM



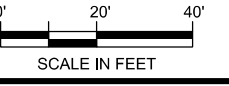
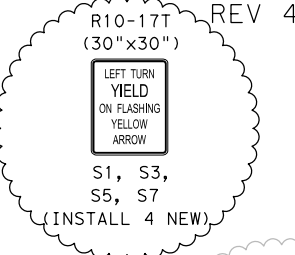
- NOTES**
1. THE EXISTENCE AND LOCATION OF UTILITIES, EITHER UNDERGROUND OR OVERHEAD, INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES (PRIVATE AND PUBLIC) PRIOR TO COMMENCING WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS FAILURE TO LOCATE, PRESERVE, AND PROTECT THESE UTILITIES.
 2. MAINTAIN MINIMUM CLEARANCE OF 6' RADIUS FROM NEUTRAL AND 10' RADIUS FROM PRIMARY AT ALL TIMES BETWEEN PROPOSED TRAFFIC SIGNAL EQUIPMENT AND ELECTRIC LINES.
 3. ALL CONSTRUCTION SIGNS AND BARRICADES MUST CONFORM TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) AND BE CONSISTENT WITH TXDOT BARRICADE, CONSTRUCTION, AND TRAFFIC CONTROL PLAN STANDARDS.
 4. RADAR ASSEMBLY LOCATIONS WILL BE DIRECTED BY THE ENGINEER.
 5. SEE TXDOT DETECTOR STANDARD LD(2)-03 FOR PLACEMENT OF DETECTION ZONES.

- LEGEND**
- PROP. TIMBER POST WITH GUY WIRE
 - PROP. STEEL POLE
 - PROP. PEDESTAL POLE
 - PROP. PEDESTRIAN LED SIGNAL HEAD W/ PUSH BUTTON AND SIGN
 - PROP. HORIZONTAL LED SIGNAL HEAD W/ BACKPLATE
 - PROP. VERTICAL LED SIGNAL HEAD W/ BACKPLATE
 - PROP. RADAR
 - PROP. GROUND MOUNTED CONTROLLER
 - PROP. OVERHEAD SIGN
 - PROP. BROADBAND ANTENNA
 - PROP. GROUND BOX TY D
 - PROP. SPANWIRE
 - PROP. SERVICE METER
 - PROP. LUMINAIRE
 - PROP. CONDUIT
 - PROP. RUN NUMBER
 - EXIST. ROW
 - DIRECTION OF TRAFFIC FLOW
 - EROSION CONTROL LOG

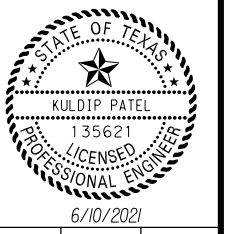
PROPOSED SIGNAL HEAD LEGEND



PROPOSED SIGNS



REV. NO.	DATE	BY	REVISION DESCRIPTION
1	08/18/2020	KMP	ADDENDUM #1
2	12/15/2020	KMP	ADDENDUM #2
3	01/16/2021	KMP	ADDENDUM #3
4	08/09/2021	KMP	ADDENDUM #4



K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746
 WILLIAMSON COUNTY
 SAM BASS ROAD
 PROPOSED SIGNAL LAYOUT
 SAM BASS RD AT GREAT OAKS DR



SCALE	
DATE	6/10/2021
SHEET NUMBER	14 OF 60