

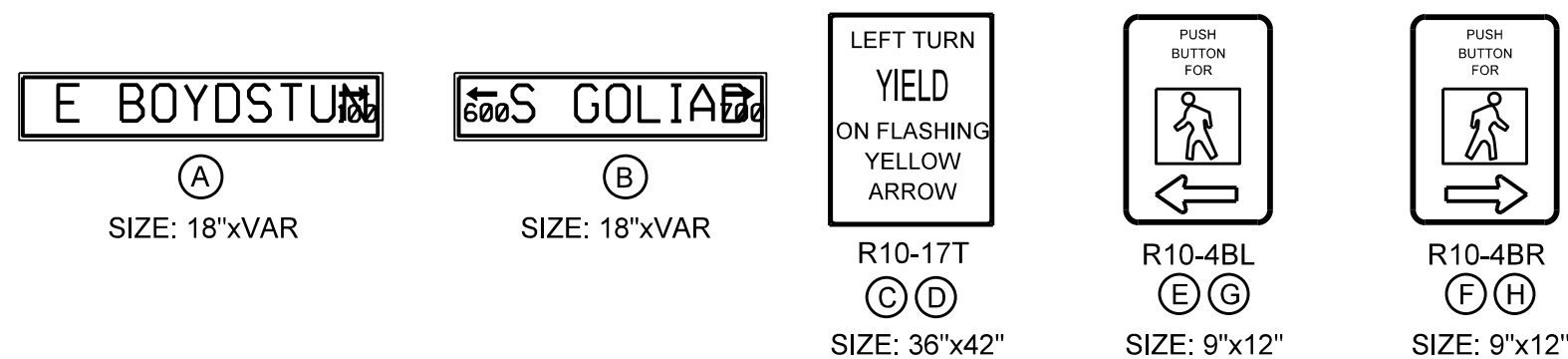
CABLE TERMINATION CHART							
CONDR. NO.	CONDUCTOR COLOR	CABLE 1	CABLE 2	CABLE 3	CABLE 4	CABLE 5	CABLE 6
		20 CONDR. (EXISTING) FROM E-1 TO CNTRL	20 CONDR. (EXISTING) FROM E-2 TO CNTRL	20 CONDR. (NEW) FROM P-1 TO CNTRL (NB)	20 CONDR. (NEW) FROM P-2 TO CNTRL (WB)	10 CONDR. (NEW) FROM P-3 TO CNTRL	10 CONDR. (NEW) FROM P-4 TO CNTRL
1	BLACK	PED COM	PED COM	PED COM	PED COM	SPARE	SPARE
2	WHITE	SIG COM	SIG COM	SIG COM	SIG COM	SIG COM	SIG COM
3	RED	SIG 1,2,3 RED	SIG 4,5 RED	SIG 7,8 RED, PH 2	SIG 10 RED, PH 4	SIG 19 RED, PH 4	SPARE
4	GREEN	SIG 1,2,3 GRN	SIG 4,5 GRN	SIG 7,8 GRN, PH 2	SIG 10 GRN, PH 4	SIG 19 GRN, PH 4	SPARE
5	ORANGE	SIG 1,2,3 YLW	SIG 4,5 YLW	SIG 7,8 YLW, PH 2	SIG 10 YLW, PH 4	SIG 19 YLW, PH 4	SPARE
6	BLUE	PED CALL PH 4	PED CALL PH 6	PED CALL PH 8	PED CALL PH 2	SPARE	SPARE
7	WHITE / BLACK	SIG 1 GRN	SIG 4 GRN	SPARE	SPARE	PED COM	PED COM
8	RED / BLACK	SIG 1 YLW	SIG 4 YLW	SIG 6 RED, OLC	SIG 9 RED, OLD	SH 17 DW	SH 18 DW
9	GREEN / BLACK	SPARE	SPARE	SIG 6 GRN, PH 5	SIG 9 GRN, PH 7	SH 17 W	SH 18 W
10	ORANGE / BLACK	SH 11 DW	SH 13 DW	SIG 6 YLW, OLC	SIG 9 YLW, OLD	PED CALL PH 2	PED CALL PH 4
11	BLUE / BLACK	SH 11 W	SH 13 W	SIG 6 FY, OLC	SIG 9 FY, OLD		
12	BLACK / WHITE	SPARE	SPARE	SPARE	SPARE		
13	RED / WHITE	PED CALL PH 6	PED CALL PH 8	SPARE	SPARE		
14	GREEN / WHITE	SPARE	SPARE	SPARE	SPARE		
15	BLUE / WHITE	SH 12 DW	SH 14 DW	SH 15 W PH 8	SH 16 W PH 2		
16	BLACK / RED	SH 12 W	SH 14 W	SH 15 DW PH 8	SH 16 DW PH 2		
17	WHITE / RED	SPARE	SPARE	SPARE	SPARE		
18	ORANGE / RED	SPARE	SPARE	SPARE	SPARE		
19	BLUE / RED	SPARE	SPARE	SPARE	SPARE		
20	RED / GREEN	SPARE	SPARE	SPARE	SPARE		

VIVDS DETECTION ZONE DETAILS										
CAMERA	STATUS	MOUNTING LOCATION	MOUNTING HEIGHT	ZONE LOCATION	ZONE	SET BACK DISTANCE	DIMENSIONS	DETECTION UNIT	DELAY INHIBIT	NOTES
C1	E	E-1 MAST ARM	24'	STOP BAR	V6-1	N/A	6'X90'	Ø6-1	Ø6-R	EXISTING CAMERA TO REMAIN
					V6-2		6'X90'	Ø6-2		
					V6-3		6'X90'	Ø6-3		
					V1-1		6'X90'	Ø1-1		
C2	E	E-2 MAST ARM	24'	STOP BAR	V3-1	N/A	6'X90'	Ø3-1	Ø3-G	EXISTING CAMERA TO REMAIN; ADJUST DETECTION ZONE
					V8-1		6'X90'	Ø8-1		
					V2-1		6'X90'	Ø2-1		
					V2-2		6'X90'	Ø2-2		
C3	E/REL	P-1 MAST ARM M1	24'	STOP BAR	V2-3	N/A	6'X90'	Ø2-3	Ø2-R	RELOCATE CAMERA FROM E-3 AND INSTALL ON P-1 MAST ARM FOR NB S GOLIAD ST (SH 205) APPROACH
					V5-1		6'X90'	Ø5-1		
					V4-1		6'X90'	Ø4-1		
					V7-1		6'X90'	Ø7-1		
C4	E/REL	P-2 MAST ARM M2	24'	STOP BAR	V4-1	N/A	6'X90'	Ø4-1	Ø4-R	RELOCATE CAMERA FROM E-4 MAST ARM AND INSTALL ON P-2 MAST ARM FOR EB BOYDSTUN AVE APPROACH
					V7-1		6'X90'	Ø7-1		

* E = EXISTING CAMERA, REL = RELOCATE

SIGNS SUMMARY		
SIGN LABEL	SIGN	NOTE
A	E BOYDSTUN	PROP SIGN ON P-1 ARM
B	S GOLIAD	PROP SIGN ON P-2 ARM
C	LEFT TURN YIELD ON FLASHING YELLOW ARROW	PROP SIGN ON P-1 ARM
D	LEFT TURN YIELD ON FLASHING YELLOW ARROW	PROP SIGN ON P-2 ARM
E	PUSH BUTTON FOR (WALK SYMBOL) (LEFT ARROW)	PROP SIGN ON P-1 POLE
F	PUSH BUTTON FOR (WALK SYMBOL) (RIGHT ARROW)	PROP SIGN ON P-2 POLE
G	PUSH BUTTON FOR (WALK SYMBOL) (LEFT ARROW)	PROP SIGN ON P-3 POLE
H	PUSH BUTTON FOR (WALK SYMBOL) (RIGHT ARROW)	PROP SIGN ON P-4 POLE

PROPOSED SIGNS



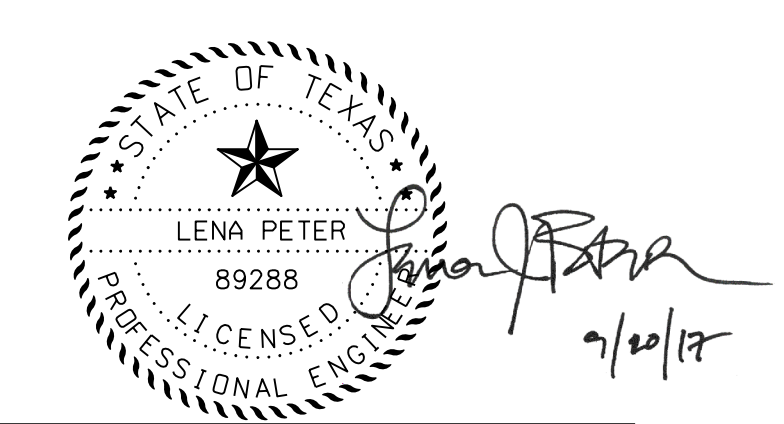
RUN NO.	LENGTH	CONDUIT STATUS	ITEM 618		ITEM 620		ITEM 684			ITEM 6002
			CONDUIT FOR SIGNALS AND LUM (SIZE/TYPE)	NO.8 XHHW WIRE BARE (EA)	NO.8 XHHW WIRE INSULATED (EA)	(14 AWG) (10 CONDR) FOR SIGNALS (EA)	(14 AWG) (20 CONDR) FOR SIGNALS (EA)	(12 AWG) (2 CONDR) FOR PED PUSH BUTTON (EA)	VIVDS COMMUNICATION CABLE (COAXIAL) (EA)	
1		EXISTING TO REMAIN								
2		EXISTING TO REMAIN								
3		EXISTING TO REMAIN								
4		EXISTING TO REMAIN								
5	15	PROPOSED	4" PVC	1	2		1	1	1	
6	20	PROPOSED	4" PVC	1			1	1	1	
7	75	PROPOSED	4" PVC	1	2		2	2	2	
8	10	PROPOSED	4" PVC	1		1		1		
9	10	PROPOSED	4" PVC	1		1		1		
10	135	PROPOSED	4" PVC (BORED)	1	2	2	2	4	2	
11		EXISTING TO REMAIN								
12		EXISTING TO REMAIN								
13	8	PROPOSED	(2) 3" PVC	2		2		4	2	
14	8	PROPOSED	3" PVC	1	2					
15		EXISTING TO REMAIN								
TOTAL (LF)			289	289	466	306	471	777	471	

NOTE: THE PROPOSED CONDUIT FOR RUN NO. 13 WILL EXTEND THE 2 EXISTING 3" CONDUITS STUBBED OUT AT THE EDGE OF THE CABINET FOUNDATION TO THE PROPOSED GROUND BOX. THE PROPOSED CONDUIT FOR RUN NO. 14 WILL BRING THE LUMINAIRE WIRES TO THE NEW CONDUITS AND OUT TO THE NEW POLES. INTERCEPTING THE 2 EXISTING 3" CONDUITS AND SPLICING LUMINAIRE WIRES IN THE EXISTING GROUND BOX WILL BE SUBSIDIARY TO RELATED BID ITEMS.

WIRING INSIDE POLES AND ARMS					
POLE	MAST ARM LENGTH (LF)	ITEM 620	ITEM 684	ITEM 6002	
		NO.8 XHHW WIRE INSULATED (LUM) (LF)	(14 AWG) (5 CONDR) FOR SIGNALS (LF)	(14 AWG) (7 CONDR) FOR SIGNALS (LF)	VIVDS COMMUNICATION CABLE (COAXIAL) (LF)
P-1	55	80	10	170	60
P-2	40		10	110	60
P-3	N/A; PEDESTAL		20		
P-4	N/A; PEDESTAL		10		
TOTAL (LF)		80	50	280	120

TRAFFIC SIGNAL SUMMARY OF QUANTITIES				
ITEM CODE	DESCRIPTION	UNIT	QUANTITY	
416	6030 DRILL SHAFT (TRF SIG POLE) (24 IN)	LF	24	
416	6032 DRILL SHAFT (TRF SIG POLE) (36 IN)	LF	13	
416	6034 DRILL SHAFT (TRF SIG POLE) (48 IN)	LF	22	
618	6029 CONDT (PVC) (SCH 40) (3")	LF	24	
618	6033 CONDT (PVC) (SCH 40) (4")	LF	130	
618	6034 CONDT (PVC) (SCH 40) (4") (BORE)	LF	135	
620	6007 ELEC CNDR (NO.8) BARE	LF	289	
620	6008 ELEC CNDR (NO.8) INSULATED	LF	546	
624	6008 GROUND BOX TY C (162911) WAPRON	EA	2	
624	6028 REMOVE GROUND BOX	EA	1	
636	6001 ALUMINUM SIGNS (TY A)	SF	51	
680	6003 INSTALL HWY TRF SIG (SYSTEM)	EA	1	
682	6001 VEH SIG SEC (12")LED(GRN)	EA	4	
682	6002 VEH SIG SEC (12")LED(GRN ARW)	EA	2	
682	6003 VEH SIG SEC (12")LED(YEL)	EA	4	
682	6004 VEH SIG SEC (12")LED(YEL ARW)	EA	4	
682	6005 VEH SIG SEC (12")LED(RED)	EA	4	
682	6006 VEH SIG SEC (12")LED(RED ARW)	EA	4	
682	6017 PED SIG SEC (LED)(2 INDICATIONS)	EA	4	
682	6023 BACK PLATE (12")(3 SEC)	EA	4	
682	6025 BACK PLATE (12")(5 SEC)	EA	2	
684	6007 TRF SIG CBL (TY A)(12 AWG)(2 CONDR)	LF	777	
684	6031 TRF SIG CBL (TY A)(14 AWG)(5 CONDR)	LF	50	
684	6033 TRF SIG CBL (TY A)(14 AWG)(7 CONDR)	LF	280	
684	6036 TRF SIG CBL (TY A)(14 AWG)(10 CONDR)	LF	306	
684	6046 TRF SIG CBL (TY A)(14 AWG)(20 CONDR)	LF	471	
686	6041 INS TRF SIG PL AM(S)1 ARM(40')	EA	1	
686	6059 INS TRF SIG PL AM(S)1 ARM(55')LUM	EA	1	
687	6001 PED POLE ASSEMBLY	EA	2	
688	6002 PED DETECT PUSH BUTTON (STANDARD)	EA	4	
690	6051 REMOVAL OF SIGNAL POLE ASSM	EA	2	
6002	6003 VIVDS SET-UP SYSTEM	EA	1	
6002	6005 VIVDS COMMUNICATION CABLE (COAXIAL)	LF	591	
6027	6008 GROUND BOX (PREPARE)	EA	2	

NOTE: BID ITEM 690 INCLUDES THE REMOVAL OF ALL RELATED SIGNAL POLE COMPONENTS INCLUDING BUT NOT LIMITED TO THE POLE, MAST ARM, SIGNAL HEADS, CABLES, SIGNS, AND LUMINAIRE.



REV	DATE	DESCRIPTION	S DATES
1	09-20-17	ADDENDUM NO 1	

EJES INCORPORATED
 12655 N Central Expy, Suite # 500, Dallas, Texas 75243.
 Tel # 214-343-1210, Fax # 214-343-3885
 FIRM REGISTRATION No: F-2488

PROPOSED SIGNAL MODIFICATION
E. BOYDSTUN AVE.
FROM S. GOLIAD ST TO S. CLARK ST
PUBLIC WORKS DEPARTMENT
CITY OF ROCKWALL, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	SHEET NO.
EJES	EJES	MAY 2017	NTS			21

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