



9601 McAllister Fwy  
Suite 1008  
San Antonio, Texas 78023

T (210) 298-3800  
Freese.com

October 20, 2025

Billy Hornung, P.E. Project Manager  
City of Seguin  
P.O. Box 591  
Seguin, Texas 78156-0591

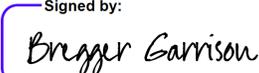
**RE: City of Seguin  
Rudeloff Rd Project  
Change Order #2**

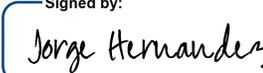
Dear Mr. Hornung,

Attached for execution by the City is one (1) original Change Order No. 2 for the above-referenced project. Change Order No. 2 pertains to a traffic signal device change to the project. The change includes additional material and effort required to relocate a traffic signal box that conflicts with the proposed travel lane.

Upon execution, please provide a copy to this office and one (1) copy to Texas Sterling Construction Company. If you have any questions regarding this information, please feel free to contact this office.

Sincerely,

Signed by:  
  
Bregger Garrison, PE  
Project Manager  
Freese and Nichols, Inc.

Signed by:  
  
Jorge Hernandez  
Construction Manager

Cc: Ms. Melissa Reynolds, P.E., MPA, CFM, City of Seguin  
Mr. Kate McCloud, City of Seguin  
Ms. Pamela Herrera, City of Seguin

**Contract Change Order No.2**  
Rudeloff Road PH I

OWNER: City of Seguin  
 CONTRACTOR: Texas Sterling Construction  
 CONTRACT AMT: \$17,773,303.10  
 Project : Rudeloff Road PH I

**PARTICIPATING COST CHANGES**

**EXISTING ITEMS**

Item No.	Item Description	Contract Quantity	Units	Original Unit Price	Original Proposal Amount	Contract Quantity (+) Increase (-) Decrease	Updated Unit Price (+) Increase (-) Decrease	Additional Amount (+) Increase (-) Decrease
684-6009	TRF SIG CBL (TY A) (12 AWG) (4 CONDR)	126	LF	\$ 3.59	\$ 452	200		\$ 718.00
684-6012	TRF SIG CBL (TY A) (12 AWG) (7 CONDR)	91	LF	\$ 3.20	\$ 291	314		\$ 1,004.80
6292-6001	RVDS (PRESENCE DETECTION ONLY)	2	EA	\$ 11,425.00	\$ 22,850	1		\$ 11,425.00
<b>TOTAL AMOUNT FOR EXISTING ITEM OVER-RUN</b>								<b>\$ 13,147.80</b>

**NEW ITEMS**

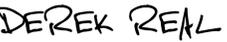
Item No.	Item Description	Contract Quantity	Units	Original Unit Price	Original Proposal Amount	Contract Quantity (+) Increase (-) Decrease	Updated Unit Price (+) Increase (-) Decrease	Additional Amount (+) Increase (-) Decrease
618-6047	CONDT (PVC)(SCH 80)(2")(BORE)		LF			62	\$ 49.16	\$ 3,047.92
618-6054	CONDT (PVC)(SCH 80)(3")(BORE)		LF			214	\$ 54.99	\$ 11,767.86
**	VIVDS CABLE		LF			222	\$ 6.97	\$ 1,547.34
<b>TOTAL AMOUNT FOR NEW ITEMS</b>								<b>\$ 16,363.12</b>

**NET CONTRACT INCREASE**

\$ 29,510.92

1. This addition to the contract is to address a Traffic Signal Box conflict. The plans propose to move the existing concrete island at SH-46/Rudeloff to the south to accommodate for the additional proposed lane. The contractor submitted RFI-015 requesting additional information and explaining that the original proposed location of the traffic signal box conflicts with the proposed travel lane as the concrete island was proposed to be relocated but not the traffic signal box. The contractor also indicated that the plan quantities were insufficient for the signal pole relocation. The engineer of record supplied a revised signal design to account for the new Traffic Signal Box location and associated quantities in accordance with current TxDOT standards and practices for traffic signals.

THE NET INCREASE IN THE CONTRACT IS \$29,510.92, WHICH MAKES THE NEW ADJUSTED CONTRACT TOTAL \$17,802,814.02  
 DUE TO DELAYS AND THE ADDITIONAL WORK, 3 PARTICIPATING AND 0 NON-PARTICIPATING DAYS ARE ADDED TO THE CONTRACT TIME.  
 FEDERAL PARTICIPATION ON THIS CHANGE ORDER REFERS TO ITEMS THAT QUALIFY FOR FEDERAL REIMBURSEMENT. REIMBURSEMENT OF THESE ITEMS ARE DEPENDENT ON AVAILABILITY OF FUNDS.  
 THIS WILL BECOME A SUPPLEMENT TO THE CONTRACT AND ALL PROVISIONS WILL APPLY HERETO.

DocuSigned by:  Amelia De La Garza, PE Project Manager Texas Department of Transportation	10/22/2025 _____ Date
DocuSigned by:  Steve Parker, City Manager	10/22/2025 _____ Date
DocuSigned by:  Melissa Reynolds, PE, Director of Engineering and Capital Projects City of Seguin	10/21/2025 _____ Date
DocuSigned by:  Billy Hornung, PE Project Manager City of Seguin	10/20/2025 _____ Date
DocuSigned by:  Chris Compton, SIX Area Manager Texas Sterling Construction Company	10/20/2025 _____ Date
DocuSigned by:  DEREK REAL Texas Sterling Construction Company	10/20/2025 _____ Date

**SAECO ELECTRIC & UTILITY, LTD.**

P.O. Box 841  
Helotes, Texas 78023

Phone: 210-695-4526  
Fax: 210-695-2516

**REQUEST FOR INFORMATION**

**RFI No: 1**

**PROJECT RUDELOFF RD**

**TO:**

**DESCRIPTION: GROUND BOX RELOCATE**

**PLAN SHEET 281 AND 284 OF THE TRAFFIC SIGNAL PLANS TELLS US TO RELOCATE THE GROUND BOX TO THE ISLAND. IF WE RELOCATE THE BOX TO THE ISLAND, WE WILL NOT HAVE ENOUGH WIRE PER THE QTY'S TO FEED THE SIGNAL POLE BEING RELOCATED DUE TO NO SPLICING NOR DOES IT ACCOUNT FOR THE WIRE FEEDING THE SIGNAL ON THE SOUTHSIDE OF THE PROJECT.**

**SIGNATURE: Mike Spencer                      7/9/25**

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**RESPONSE:**

**SIGNATURE: \_\_\_\_\_**

**DATE: \_\_\_\_\_**

**cc:**

REVISION  
 PLOTDRIVER: pdf.pltcfp  
 FILE:G:\TXC\Projects\City\_Seguin\5383-00\_Rudeloff\03\_CADD\01\_Shts\00-GEN\Rudeloff\_EST\_and\_QTY.dgn  
 USER:Rudeloff, Road - AustIn PENTABLE: PEN\_TXDOT.TBL  
 DATE:19/8/2025 8:06:06 AM

SEQ NO.	ITEM NO.	DESC CODE	DESCRIPTION	UNIT	EST. QUANTITY
1	100	6002	PREPARING ROW	STA	80.58
2	110	6001	EXCAVATION (ROADWAY)	CY	34728
3	132	6004	EMBANKMENT (FINAL) (DENS CONT) (TY B)	CY	10243
4	160	6003	FURNISHING AND PLACING TOPSOIL (4")	SY	39501
5	164	6009	BROADCAST SEED (TEMP) (WARM)	SY	19753
6	164	6011	BROADCAST SEED (TEMP) (COOL)	SY	19753
7	164	6021	CELL FBR MLCH SEED (PERM) (RURAL) (SANDY)	SY	39501
8	168	6001	VEGETATIVE WATERING	MG	637
9	169	6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	SY	33805
10	247	6041	FL BS (CMP IN PLC) (TYA GR1-2) (FNAL POS)	CY	13421
11	260	6002	LIME (HYDRATED LIME (SLURRY))	TON	1592
12	260	6011	LIME TRT (EXST MATL) (12")	SY	60375
13	310	6009	PRIME COAT (MC-30)	GAL	12083
14	316	6001	ASPH (MULTI OPTION)	GAL	8579
15	316	6193	AGGR (TY-D GR-5 SAC-B)	CY	3141
16	400	6005	CEM STABIL BKFL	CY	2442
17	402	6001	TRENCH EXCAVATION PROTECTION	LF	2808
18	403	6001	TEMPORARY SPL SHORING	LF	6
19	416	6030	DRILL SHAFT (TRF SIG POLE) (24 IN)	LF	14
20	416	6032	DRILL SHAFT (TRF SIG POLE) (36 IN)	LF	14
21	432	6001	RIPRAP (CONC) (4 IN)	CY	470
22	432	6002	RIPRAP (CONC) (5 IN)	CY	151
23	450	6032	RAIL (TY C223)	LF	773
24	462	6001	CONC BOX CULV (3 FT X 2 FT)	LF	591
25	462	6002	CONC BOX CULV (3 FT X 3 FT)	LF	254
26	462	6004	CONC BOX CULV (4 FT X 3 FT)	LF	543
27	462	6010	CONC BOX CULV (6 FT X 3 FT)	LF	1289
28	462	6014	CONC BOX CULV (7 FT X 3 FT)	LF	328
29	462	6040	CONC BOX CULV (12 FT X 4 FT)	LF	378
30	462	6099	CONC BOX CULV (6 FT X 2 FT)	LF	356
31	462	6101	CONC BOX CULV (10 FT X 4 FT)	LF	1289
32	464	6003	RC PIPE (CL III) (18 IN)	LF	6
33	464	6005	RC PIPE (CL III) (24 IN)	LF	3229
34	464	6007	RC PIPE (CL III) (30 IN)	LF	21
35	465	6006	JCTBOX (COMPL) (PJB) (4FTX4FT)	EA	5
36	465	6009	JCTBOX (COMPL) (PJB) (5FTX5FT)	EA	1
37	465	6012	JCTBOX (COMPL) (PJB) (8FTX8FT)	EA	2
38	465	6013	INLET (COMPL) (PCO) (3FT) (NONE)	EA	1
39	465	6024	INLET (COMPL) (PCO) (5FT) (BOTH)	EA	3
40	465	6132	INLET (COMPL) (PSL) (FG) (4FTX5FT-4FTX4FT)	EA	2
41	465	6135	INLET (COMPL) (PSL) (FG) (5FTX5FT-4FTX4FT)	EA	2
42	465	6144	INLET (COMPL) (PSL) (FG) (8FTX8FT-4FTX4FT)	EA	1
43	465	6164	INLET (COMPL) (TY H) (3FTX3FT)	EA	2
44	465	6164	INLET (COMPL) (TY H) (4FTX4FT)	EA	16
45	465	6274	INLET (COMPL) (RISER ONLY)	EA	4
46	465	6486	INLET (COMPL) (AD-C) (3FTX3FT) (FTW)	EA	3
47	466	6181	WINGWALL (PW - 1) (HW=6 FT)	EA	2
48	466	6182	WINGWALL (PW - 1) (HW=7 FT)	EA	3
49	466	6183	WINGWALL (PW - 1) (HW=8 FT)	EA	1
50	467	6395	SET (TY I) (24 IN) (RCP) (6:1) (R)	EA	4
51	479	6001	ADJUSTING MANHOLES	EA	10
52	500	6001	MOBILIZATION	LS	22
53	502	6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	22
54	506	6002	ROCK FILTER DAMS (INSTALL) (TY 2)	LF	735
55	506	6011	ROCK FILTER DAMS (REMOVE)	LF	735
56	506	6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	7419
57	506	6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	7419
58	506	6042	BIODEG EROSN CONT LOGS (INSTL) (18")	LF	578
59	506	6043	BIODEG EROSN CONT LOGS (REMOVE)	LF	578
60	508	6001	CONSTRUCTING DETOURS	SY	2782
61	512	6009	PORT CTB (FUR & INST) (LOW PROF) (TY 1)	LF	3870
62	512	6010	PORT CTB (FUR & INST) (LOW PROF) (TY 2)	LF	200
63	512	6033	PORT CTB (MOVE) (LOW PROF) (TY 1)	LF	1020
64	512	6034	PORT CTB (MOVE) (LOW PROF) (TY 2)	LF	120
65	512	6057	PORT CTB (REMOVE) (LOW PROF) (TY 1)	LF	3870
66	512	6058	PORT CTB (REMOVE) (LOW PROF) (TY 2)	LF	200
67	529	6036	CONCRETE CURB (SPECIAL)	LF	12685
68	529	6038	CONC CURB (RIBBON)	LF	13768
69	530	6004	DRIVEWAYS (CONC)	SY	2329

SEQ NO.	ITEM NO.	DESC CODE	DESCRIPTION	UNIT	EST. QUANTITY
70	531	6002	CONC SIDEWALKS (5")	SY	17303
71	531	6004	CURB RAMPS (TY 1)	EA	6
72	531	6010	CURB RAMPS (TY 7)	EA	11
73	536	6002	CONC MEDIAN	SY	370
74	560	6007	MAILBOX INSTALL-S (WC-POST) TY 3	EA	6
75	560	6008	MAILBOX INSTALL-D (WC-POST) TY 3	EA	6
76	618	6046	COND (PVC) (SCH 80) (2")	LF	22
77	618	6053	COND (PVC) (SCH 80) (3")	LF	48
78	620	6009	ELEC CONDR (NO.6) BARE	LF	346
79	624	6010	GROUND BOX TY D (162922)W/APRON	EA	2
80	636	6002	ALUMINUM SIGNS (TY G)	SF	10
81	636	6003	ALUMINUM SIGNS (TY O)	SF	22
82	644	6001	IN SM RD SN SUP&AM TY10BWG (1)SA (P)	EA	11
83	644	6004	IN SM RD SN SUP&AM TY10BWG (1)SA (T)	EA	1
84	644	6007	IN SM RD SN SUP&AM TY10BWG (1)SA (U)	EA	1
85	644	6060	IN SM RD SN SUP&AM TYTWT (1)WS (P)	EA	53
86	662	6004	WK ZN PAV MRK NON-REMOV (W) 4" (SLD)	LF	33692
87	662	6034	WK ZN PAV MRK NON-REMOV (Y) 4" (SLD)	LF	33692
88	662	6109	WK ZN PAV MRK SHT TERM (TAB) TY W	EA	2052
89	662	6111	WK ZN PAV MRK SHT TERM (TAB) TY Y-2	EA	2978
90	666	6035	REFL PAV MRK TY I (W) 8" (SLD) (090MIL)	LF	2345
91	666	6167	REFL PAV MRK TY II (W) 4" (BRK)	LF	3130
92	666	6170	REFL PAV MRK TY II (W) 4" (SLD)	LF	15234
93	666	6178	REFL PAV MRK TY II (W) 8" (SLD)	LF	2345
94	666	6205	REFL PAV MRK TY II (Y) 4" (BRK)	LF	3092
95	666	6207	REFL PAV MRK TY II (Y) 4" (SLD)	LF	18972
96	666	6299	RE PM W/RET REQ TY I (W) 4" (BRK) (090MIL)	LF	3130
97	666	6302	RE PM W/RET REQ TY I (W) 4" (SLD) (090MIL)	LF	15234
98	666	6311	RE PM W/RET REQ TY I (Y) 4" (BRK) (090MIL)	LF	3092
99	666	6314	RE PM W/RET REQ TY I (Y) 4" (SLD) (090MIL)	LF	18972
100	668	6076	PREFAB PAV MRK TY C (W) (24") (SLD)	LF	538
101	668	6077	PREFAB PAV MRK TY C (W) (ARROW)	EA	14
102	668	6085	PREFAB PAV MRK TY C (W) (WORD)	EA	14
103	668	6092	PREFAB PAV MRK TY C (W) (36") (YLD TRI)	EA	6
104	672	6007	REFL PAV MRKR TY I-C	EA	279
105	672	6009	REFL PAV MRKR TY II-A-A	EA	331
106	680	6011	INSTALL HWY TRF SIG (UPGRADE)	EA	1
107	681	6001	TEMP TRAF SIGNAL	EA	1
108	682	6001	VEH SIG SEC (12") LED (GRN)	EA	2
109	682	6003	VEH SIG SEC (12") LED (YEL)	EA	2
110	682	6005	VEH SIG SEC (12") LED (RED)	EA	2
111	682	6018	PED SIG SEC (LED) (COUNTDOWN)	EA	2
112	682	6023	BACK PLATE (12") (3 SEC)	EA	2
113	684	6009	TRF SIG CBL (TY A) (12 AWG) (4 CONDR)	LF	0
114	684	6012	TRF SIG CBL (TY A) (12 AWG) (7 CONDR)	LF	0
115	684	6080	TRF SIG CBL (TY C) (14 AWG) (2 CONDR)	LF	124
116	686	6051	INS TRF SIG PL AM(S) 1 ARM (48') LUM	EA	1
117	687	6001	PED POLE ASSEMBLY	EA	1
118	688	6001	PED DETECT PUSH BUTTON (APS)	EA	2
119	752	6005	TREE REMOVAL (4" - 12" DIA)	EA	2
120	752	6006	TREE REMOVAL (12" - 18" DIA)	EA	4
121	752	6008	TREE REMOVAL (24" - 30" DIA)	EA	1
122	3076	6001	D-GR HMA TY-B PG64-22	TON	8310
123	3076	6025	D-GR HMA TY-C SAC-B PG70-22	TON	6146
124	5084	6001	FIXED BOLLARD	EA	12
125	6001	6002	PORTABLE CHANGEABLE MESSAGE SIGN	EA	3
126	6185	6001	TMA (STATIONARY)	EA	2
127	6292	6001	RVDS (PRESENCE DETECTION ONLY)	EA	2
128	6292	6002	RVDS (ADVANCE DETECTION ONLY)	EA	1
129	464	6030	RC PIPE (CL III) (18 IN)	LF	88
130	467	6519	SET (TY II) (DE S1) (RCP) (6:1) (P)	EA	4
131	464	6030	RC PIPE (CL III) (24 IN)	LF	88
132	462	6006	CONC BOX CULV (5 FT X 2 FT)	LF	687
133	247	6041	FL BS (CMP IN PLC) (TYA GR1-2) (FNAL POS)	CY	41
134	618	6047	COND (PVC) (SCH 80) (2") (BORE)	LF	62
135	618	6053	COND (PVC) (SCH 80) (3") (BORE)	LF	214
136	621	6002	TRAY CABLE (3 CONDR) (12 AWG)	LF	124
137	684	6025	TRF SIG CBL (TY A) (12 AWG) (5 CONDR)	LF	249
138	684	6080	TRF SIG CBL (TY B) (12 AWG) (20 CONDR)	LF	156

NO.	DATE	REVISION	APPROVED
1	1/17	ADDENDUM 1	JCC
2	1/23	ADDENDUM 2	JCC
3	10/29/2024	SUP/CURB & MEDIAN	JCC
4	2/26/25	CO1 REVISIONS	HTK
5	5/01/25	EW UPDATES	HTK
6	5/19/25	CO1 REVISIONS	HTK
7	07/21/25	CO2 REVISIONS	HTK



**It's real.**



**BGE, Inc.**  
 7330 San Pedro, STE 202, San Antonio, TX 78216  
 Tel: 210-581-3600 • www.bgeinc.com  
 TBPE Registration No. F-1046

**RUDELOFF RD**

**ESTIMATE AND QUANTITIES**

SHEET 1 OF 1

FED. RD. DIV. NO.	PROJECT NO.	SHEET NO.	
6		7	
STATE	DIST.	COUNTY	
TEXAS	SAT	GUADALUPE	
CONT.	SECT.	JOB	HIGHWAY NO.
0915	46	045	RUDELOFF RD

REVISION

SUMMARY OF TRAFFIC SIGNAL ITEMS

SHEET	416 6030	416 6032	618 6046	618 6047	618 6053	618 6054	620 6009	624 6010	636 6002	636 6003	680 6011	682 6001	682 6003	682 6005	682 6018
	DRILL SHAFT (TRF SIG POLE) (24 IN)	DRILL SHAFT (TRF SIG POLE) (36 IN)	COND (PVC) (SCH 80) (2")	COND (PVC) (SCH 80) (2") (BORE)	COND (PVC) (SCH 80) (3")	COND (PVC) (SCH 80) (3") (BORE)	ELEC CONDR (NO. 6) BARE	GROUND BOX TY D (162922) W/AP RON	ALUMINUM SIGNS (TY G)	ALUMINUM SIGNS (TY O)	INSTALL HWY TRF SIG (UPGRADE)	VEH SIG SEC (12") LED (GRN)	VEH SIG SEC (12") LED (YEL)	VEH SIG SEC (12") LED (RED)	PED SIG SEC (LED) (COUNTDOWN)
SHEET 1 OF 1	6	14	22	62	48	214	346	2	10	22	1	2	2	2	2
TOTALS	6	14	22	62	48	214	346	2	10	22	1	2	2	2	2

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SUMMARY OF TRAFFIC SIGNAL ITEMS (CONT.)

SHEET	682 6023	0621 6002	0684 6025	684 6080	0684 6062	686 6051	687 6001	688 6001	6292 6001	6292 6002	**	**
	BACK PLATE (12") (3 SEC)	TRAY CABLE (3 CONDR) (12 AWG)	TRF SIG CBL (TY A) (12 AWG) (20 CONDR)	TRF SIG CBL (TY C) (14 AWG) (2 CONDR)	TRF SIG CBL (TY B) (12 AWG) (5 CONDR)	INS TRF SIG PL ARM(S) 1 ARM (48') LUM	PED POLE ASSEMBLY	PED DETECT PUSH BUTTON (APS)	RVDS (PRESENCE DETECTION ONLY)	RVDS (ADVANCE DETECTION ONLY)	OPTICOM PREEMPTION DETECTOR (IR)	OPTICOM PREEMPTION DETECTOR (IR) CABLE
SHEET 1 OF 1	2	124	249	124	156	1	1	2	2	1	1	152
TOTALS	2	124	249	124	156	1	1	2	2	1	1	152

\*\* - SUBSIDIARY TO ITEM 680

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FILE:G:\TX\Projects\CITY-Seguin\5383-00\_Rudefoff\03\_CADD\01\_Shts\00-GEN\Rudefoff\_SIGNAL\_SUM\_01.dgn  
 DATE:7/23/2025 3:18:03 PM  
 USER:Rudefoff Road - Austin PENTABLE: PENLTXDOT.TBL  
 PLOTDRIVER: pdf.pltcfgr

1	07/21/25	SIGNAL REVISION	HTK
NO.	DATE	REVISION	APPROVED



**It's real.**



**BGE, Inc.**  
 7330 San Pedro, STE 202, San Antonio, TX 78216  
 Tel: 210-381-3600 • www.bgeinc.com  
 TBPE Registration No. F-1046

**RUDELOFF RD**

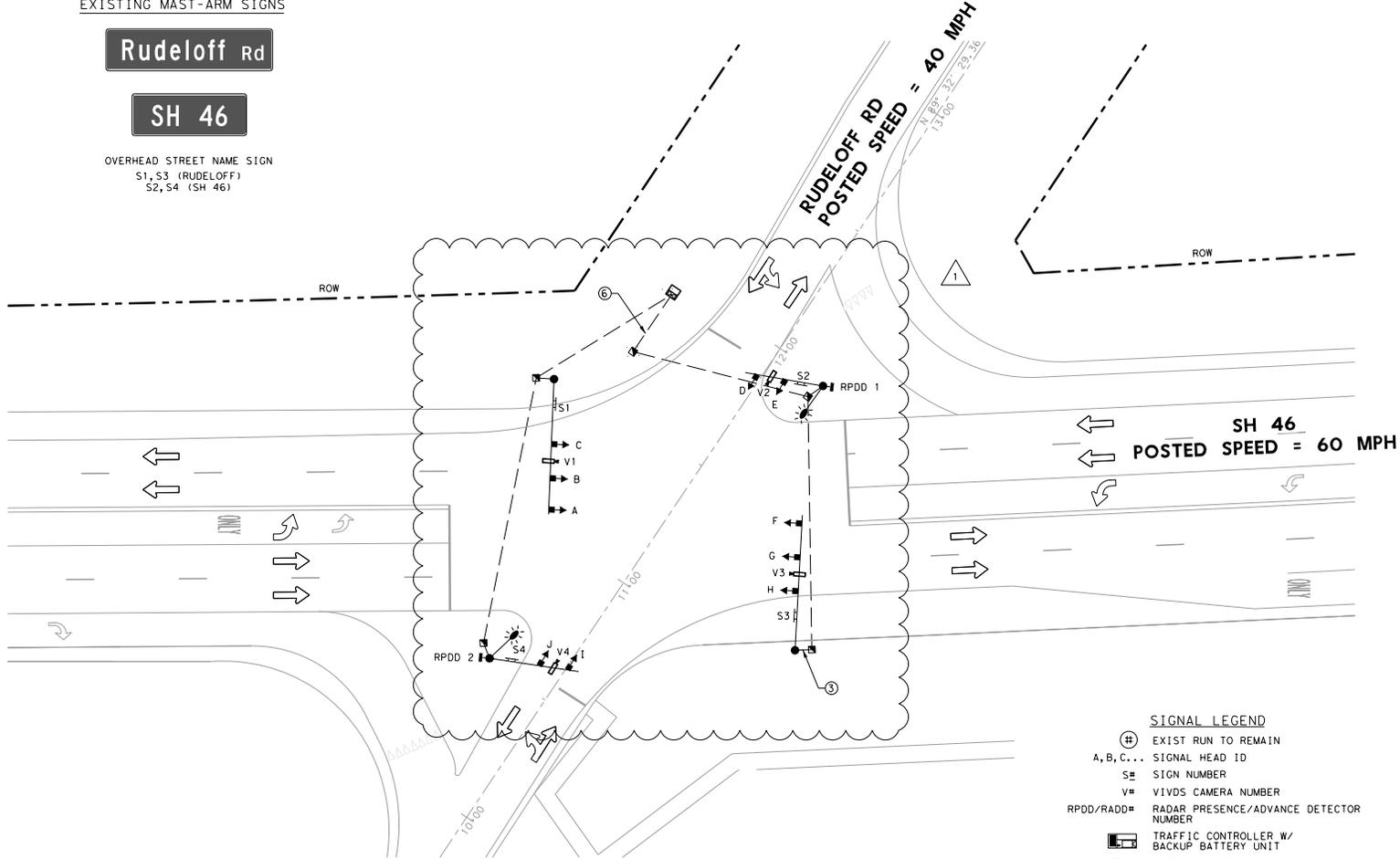
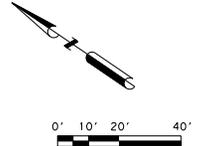
**SIGNAL SUMMARY**

SHEET 1 OF 1

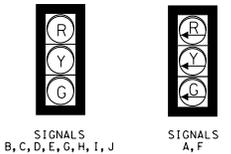
FED. NO.	PROJECT NO.		SHEET NO.
6			11
STATE	DIST.	COUNTY	
TEXAS	SAT	GUADALUPE	
CONT.	SECT.	JOB	HIGHWAY NO.
0915	46	045	RUDELOFF RD

REVISION  
 FILE: G:\TXC\Projects\CITY-SEG\in\5383-00\_Rudeloff\03\_CADD\01\_Shts\13-SGNLS\Rudeloff\_SIGNAL\_EXIST\_LAYOUT.dgn  
 PLOTDRIVER: pdf.pltcfgr  
 USER: Rudeloff Road - Austin  
 PENTABLE: PENLTXDOT.TBL  
 DATE: 7/23/2025 3:18:05 PM

EXISTING MAST-ARM SIGNS



EXISTING SIGNALS  
(12" L.E.D. SIGNALS W/ BACKPLATES)



EXISTING PEDESTRIAN SIGNALS & DETECTORS



- NOTES:
1. DETERMINATION OF SALVAGE MATERIAL SHALL BE FINALIZED BY CITY ENGINEER AND DELIVERED TO CITY OF SEGUIN TRAFFIC OPERATIONS FACILITY. THE CONTRACTOR SHALL CONTACT THE CITY ENGINEER SEVEN (7) DAYS PRIOR TO DELIVERY OF SALVAGED MATERIAL. THE CONTRACTOR SHALL BECOME THE OWNER AND DISPOSE OF UNSALVAGED MATERIAL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

- SIGNAL LEGEND**
- (H) EXIST RUN TO REMAIN
  - A, B, C... SIGNAL HEAD ID
  - S# SIGNAL NUMBER
  - V# VIVDS CAMERA NUMBER
  - RPDD/RADD# RADAR PRESENCE/ADVANCE DETECTOR NUMBER
  - [Traffic Controller Symbol] TRAFFIC CONTROLLER W/ BACKUP BATTERY UNIT
  - [Vertical Signal Head Symbol] VERTICAL SIGNAL HEAD
  - [Signal Pole Symbol] SIGNAL POLE AND MAST ARM
  - [Pedestrian Signal Head Symbol] PEDESTRIAN SIGNAL HEAD W/ PUSH BUTTON
  - [Luminaire Symbol] LUMINAIRE
  - [Ground Box Symbol] GROUND BOX W/ CONCRETE APRON
  - [Electrical Service Meter Symbol] ELECTRICAL SERVICE METER SIGN
  - [Radar Advance Detector Symbol] RADAR ADVANCE DETECTOR
  - [Radar Presence Detector Symbol] RADAR PRESENCE DETECTOR
  - [Single Preemption Symbol] SINGLE PREEMPTION
  - [PTZ Camera Symbol] PTZ CAMERA
  - [Network Antenna Symbol] NETWORK ANTENNA
  - [PTZ Camera Symbol] PTZ CAMERA
  - [Vivds Symbol] VIVDS
  - [Conduit Symbol] CONDUIT



NO.	DATE	REVISION	APPROVED
1	07/21/25	SIGNAL REVISIONS	HTK

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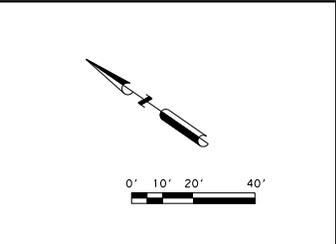
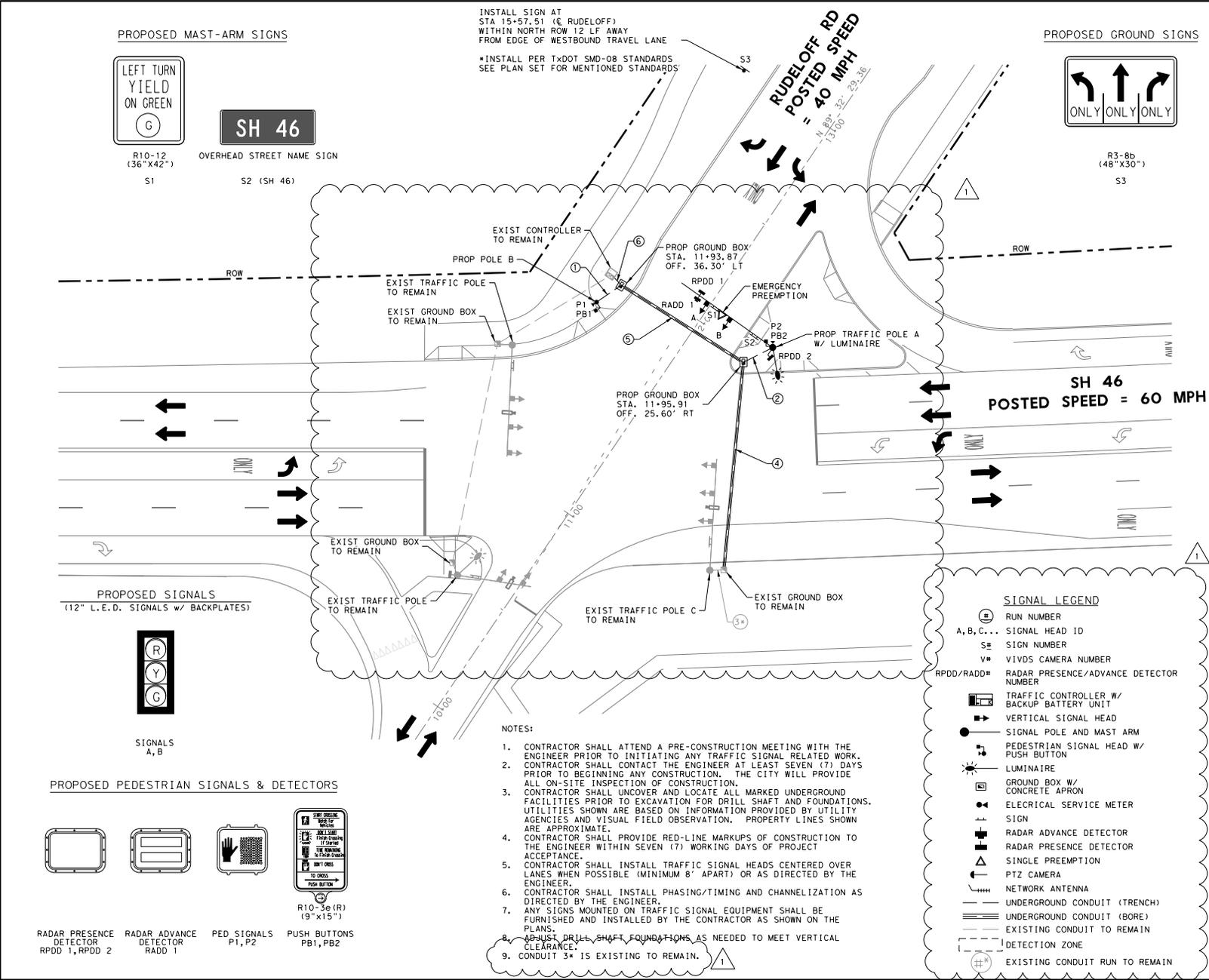
**RUDELOFF RD  
EXISTING TRAFFIC  
SIGNAL LAYOUT**

RUDELOFF RD AT SH 46

SHEET 1 OF 1

FED. NO. 6	PROJECT NO.	SHEET NO. 280
STATE TEXAS	DIST. SAT	COUNTY GUADALUPE
CONT. 0915	SECT. 46	JOB 045
HIGHWAY NO. RUDELOFF RD		

REVISION  
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 PLOTDRIVER: pdf.plt  
 USER: Rudeloff.Road - Austin  
 DATE: 7/23/2025 3:18:06 PM



INSTALL SIGN AT STA 11+57.51 (Q RUDELOFF) WITHIN NORTH ROW 12 LF AWAY FROM EDGE OF WESTBOUND TRAVEL LANE  
 \*INSTALL PER TxDOT SMD-08 STANDARDS SEE PLAN SET FOR MENTIONED STANDARDS

PROPOSED GROUND SIGNS



R3-9b (48"X30") S3

PROPOSED MAST-ARM SIGNS



R10-12 (36"X42") S1



OVERHEAD STREET NAME SIGN S2 (SH 46)

SH 46 POSTED SPEED = 60 MPH

RUDELOFF RD POSTED SPEED = 40 MPH

**SIGNAL LEGEND**

- ⊕ RUN NUMBER
- A, B, C... SIGNAL HEAD ID
- S# SIGN NUMBER
- V# VIVDS CAMERA NUMBER
- RPDD/RADD# RADAR PRESENCE/ADVANCE DETECTOR NUMBER
- ☑ TRAFFIC CONTROLLER W/ BACKUP BATTERY UNIT
- ⬆ VERTICAL SIGNAL HEAD
- ⬆ SIGNAL POLE AND MAST ARM
- ⬆ PEDESTRIAN SIGNAL HEAD W/ PUSH BUTTON
- ☀ LUMINAIRE
- ☑ GROUND BOX W/ CONCRETE APRON
- ⊙ ELECTRICAL SERVICE METER
- ⊕ SIGN
- ⬆ RADAR ADVANCE DETECTOR
- ⬆ RADAR PRESENCE DETECTOR
- ⬆ SINGLE PREEMPTION
- ⬆ PTZ CAMERA
- ⊕ NETWORK ANTENNA
- UNDERGROUND CONDUIT (TRENCH)
- UNDERGROUND CONDUIT (BORE)
- EXISTING CONDUIT TO REMAIN
- ⊕ DETECTION ZONE
- ⊕ EXISTING CONDUIT RUN TO REMAIN

- NOTES:**
- CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION MEETING WITH THE ENGINEER PRIOR TO INITIATING ANY TRAFFIC SIGNAL RELATED WORK.
  - CONTRACTOR SHALL CONTACT THE ENGINEER AT LEAST SEVEN (7) DAYS PRIOR TO BEGINNING ANY CONSTRUCTION. THE CITY WILL PROVIDE ALL ON-SITE INSPECTION OF CONSTRUCTION.
  - CONTRACTOR SHALL UNCOVER AND LOCATE ALL MARKED UNDERGROUND FACILITIES PRIOR TO EXCAVATION FOR DRILL SHAFT AND FOUNDATIONS. UTILITIES SHOWN ARE BASED ON INFORMATION PROVIDED BY UTILITY AGENCIES AND VISUAL FIELD OBSERVATION. PROPERTY LINES SHOWN ARE APPROXIMATE.
  - CONTRACTOR SHALL PROVIDE RED-LINE MARKUPS OF CONSTRUCTION TO THE ENGINEER WITHIN SEVEN (7) WORKING DAYS OF PROJECT ACCEPTANCE.
  - CONTRACTOR SHALL INSTALL TRAFFIC SIGNAL HEADS CENTERED OVER LANES WHEN POSSIBLE (MINIMUM 8' APART) OR AS DIRECTED BY THE ENGINEER.
  - CONTRACTOR SHALL INSTALL PHASING/TIMING AND CHANNELIZATION AS DIRECTED BY THE ENGINEER.
  - ANY SIGNS MOUNTED ON TRAFFIC SIGNAL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AS SHOWN ON THE PLANS.
  - ADJUST DRILL SHAFT FOUNDATIONS AS NEEDED TO MEET VERTICAL CLEARANCE.
  - CONDUIT 3" IS EXISTING TO REMAIN.



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1	07/21/25	SIGNAL REVISIONS	HTK

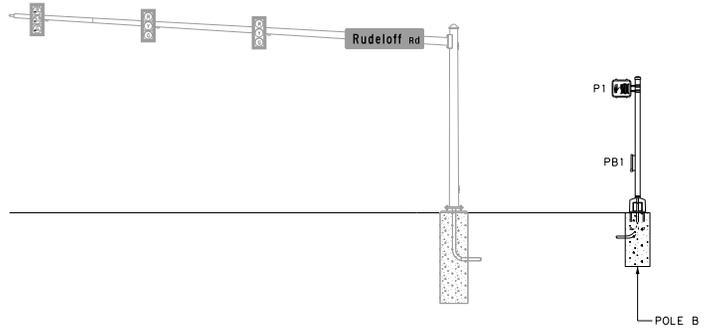
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**RUDELOFF RD PROPOSED TRAFFIC SIGNAL LAYOUT**  
 RUDELOFF RD AT SH 46

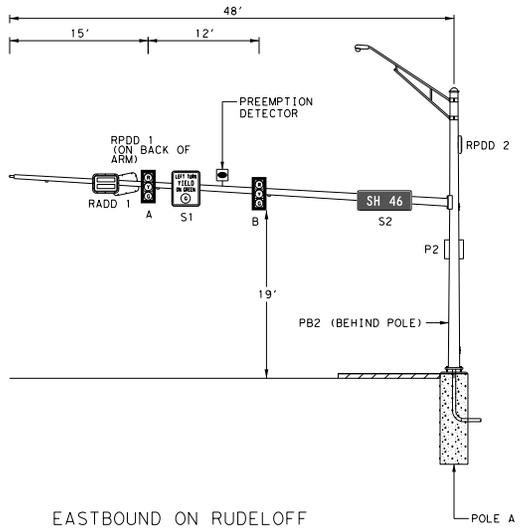
SHEET 1 OF 1

FED. NO.	PROJECT NO.	SHEET NO.
6		281
STATE	DIST.	COUNTY
TEXAS	SAT	GUADALUPE
CONT.	SECT.	JOB
0915	46	045
HIGHWAY NO. RUDELOFF RD		

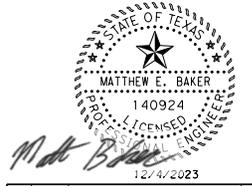
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 USER: Rudeloff.Road - Austin.PENTABLE: PEN\_T\DOT.TBL PLOTDRIVER: pdf.pltcfgr  
 DATE: 12/4/2023 11:57:13 AM



NORTHBOUND ON SH 46  
NOT TO SCALE



EASTBOUND ON RUDELOFF  
NOT TO SCALE



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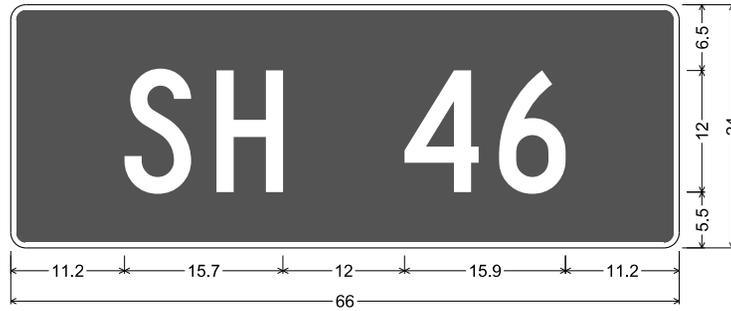
**RUDELOFF RD  
PROPOSED TRAFFIC  
SIGNAL ELEVATIONS**

RUDELOFF RD AT SH 46

FED. NO.		PROJECT NO.		SHEET NO.	
6				282	
STATE	DIST.	COUNTY			
TEXAS	SAT	GUADALUPE			
CONT.	SECT.	JOB	HIGHWAY NO.		
0915	46	045	RUDELOFF RD		

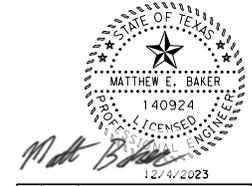
SHEET 1 OF 1

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 USER: Rudefoff.Road - Austin\_PENTABLE: PENL\_T\DOT.TBL PLOTDRIVER: pdf.pltcfgr  
 DATE: 12/14/2023 11:57:16 AM



D3-1G(7) 12in;  
 1.5" Radius, 0.5" Border, White on, Green;  
 "SH 46", C;

SH 46  
 FOR SIGN S2



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**RUDELOFF RD**

**PROPOSED SIGN**

**DETAILS**

RUDELOFF RD AT SH 46

SHEET 1 OF 1

FED. NO.	PROJECT NO.		SHEET NO.
6			283
STATE	DIST.	COUNTY	
TEXAS	SAT	GUADALUPE	
CONT.	SECT.	JOB	HIGHWAY NO.
0915	46	045	RUDELOFF RD

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**PROPOSED MAST ARM AND POLE SUMMARY - SH 46 AT RUDELOFF RD**

POLES AND ARMS	12 AWG		14 AWG	EMERGENCY PREEMPTION	RADAR (RPDD) **	RADAR (RADD) **	TRAY CABLE 3 CNDR NO. 12
	5/C	2/C					
TRAFFIC POLE A (w/ 48' ARM)				68'	98'	68'	40'
HEAD A	64'	-	-	-	-	-	-
HEAD B	52'	-	-	-	-	-	-
TRAFFIC POLE A (PED BUTTON)							
P2	10'	-	-	-	-	-	-
PB2	-	10'	-	-	-	-	-
PEDESTRIAN POLE B							
P1	10'	-	-	-	-	-	-
PB1	-	10'	-	-	-	-	-
TOTAL (LF)	136'	20'		68'	98'	68'	40'

\*\* = CABLE IS SUBSIDIARY TO TxDOT BID ITEM 6292

**SUMMARY OF CONDUITS AND CABLES - SH 46 AT RUDELOFF RD**

RUN NO.	TRENCH		BORE		LENGTH (LF)	NUMBER OF CABLES										
	2"	3"	2"	3"		#6 AWG (INS)	#6 AWG (BARE)	TRAY CABLE 3 CNDR NO. 12	5/C #12 AWG (PED)	2/C #12 AWG (PED)	20/C #12 AWG	RADAR (RPDD)	RADAR (RADD)	VIVDS ***	EMERGENCY PREEMPTION	
PROP 1		1			13'	-	1		1	1						
PROP 2	1	1			15'	-	2	1		1	1	2	1		1	
EXIST 3*		1			6'	-	1				1			1		
PROP 4			1		90'	-	1			1	1			1		
PROP 5			1	2	62'	-	3	1		1	2	2	1	1	1	
PROP 6	1	2			7'	-	3	1	1	2	2	2	1	1	1	
TOTAL (LF)	22'	48'	62'	214'	193'	0'	346'	84'	20'	104'	249'	168'	84'	165'	84'	

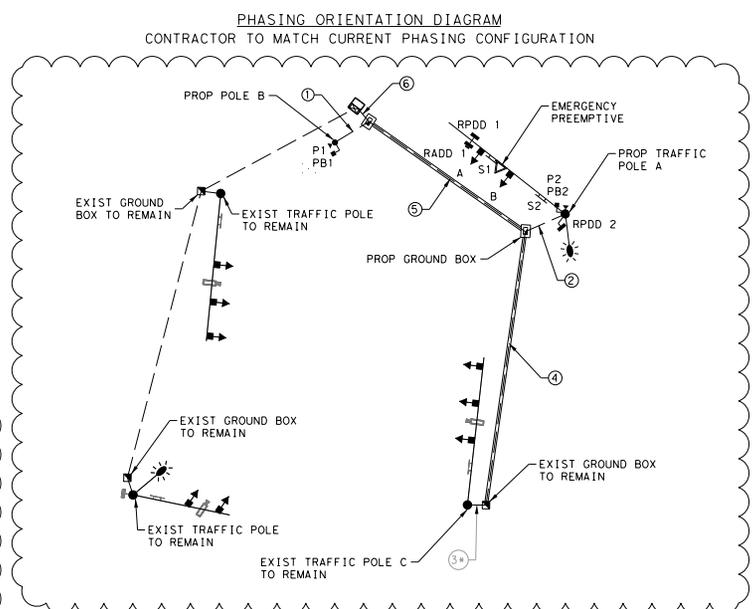
\* = EXISTING CONDUIT TO REMAIN  
 \*\*\* = VIVDS CABLE TO BE RE-RUN TO CONTROLLER THROUGH PROPOSED CONDUIT

**ACCESSIBLE PEDESTRIAN SIGNAL (APS) UNIT MESSAGE INFORMATION - SH 46 AT RUDELOFF RD**

APS UNIT NO.	ACKNOWLEDGE DEFAULT "WAIT"	EXTENDED PRESS MESSAGE	
		"WAIT TO CROSS (STREET NAME) AT (STREET NAME)"	"(STREET NAME) WALK SIGN IS ON TO CROSS, (STREET NAME)" OR TONE
P1	YES	RUDELOFF RD AT SH 46	RUDELOFF RD
P2	YES	RUDELOFF RD AT SH 46	RUDELOFF RD

**POLE AND EQUIPMENT INFORMATION**

ID	DESCRIPTION/ATTACHMENTS	STATION	OFFSET	FOUNDATION ELEV
A	INSTALL 30-FT SMA-80 ON 14-FT DRILLED SHAFT FOUNDATION (36-A) WITH 48-FT MAST ARM, ONE LUMINAIRE, TWO RPDD, ONE RADD, ONE R10-12 SIGN, ONE D3-16 SIGN, TWO VEHICLE SIGNAL HEADS, ONE LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ONE PEDESTRIAN PUSH BUTTON WITH AUDIBLE PEDESTRIAN SIGNAL UNIT AND ONE R10-3e(r) SIGN AS INDICATED ON LAYOUT.	12+08.20	32.5' RT	LEVEL WITH ROADWAY CROWN
B	INSTALL 10-FT STEEL PEDESTAL POLE ON 6-FT DRILLED SHAFT FOUNDATION (24-A), ONE LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ONE PEDESTRIAN PUSH BUTTON WITH AUDIBLE PEDESTRIAN SIGNAL UNIT AND ONE R10-3e(r) SIGN AS INDICATED ON LAYOUT.	11+81.89	41.03' LT	LEVEL WITH SIDEWALK



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**RUDELOFF RD**  
**PROPOSED TRAFFIC SIGNAL**  
**ELEC SCHEDULE & PHASING**  
 RUDELOFF RD AT SH 46

SHEET 1 OF 1

FED. NO.	PROJECT NO.		SHEET NO.
6			284
STATE	DIST.	COUNTY	
TEXAS	SAT	GUADALUPE	
CONT.	SECT.	JOB	HIGHWAY NO.
0915	46	045	RUDELOFF RD