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 F +1.214.638.0447
 www.jacobs.com

August 13, 2021

Attention: Bridell Miers, PE
 Collin County Engineering Department
 4690 Community Ave, Suite 200
 McKinney, TX 75071

Project Name: Collin County Outer Loop Access Road-DNT to SH 289
 Project Number: 659333CH

Subject: Change Order No. 2

Dear Ms. Bridell

Jacobs recommends the following Change Order # 2 modifications of the Outer Loop Access Road project.

1. Illuminated Signs Mod Revision

BID ITEM	DESC	S.P. CODE	ITEM DESCRIPTION	PREVIOUS QUANTITY	REVISION	REVISED QUANTITY	UNIT	CONTRACT CHANGE	
								UNIT COST	SUBTOTAL COST
6090	6010		ILSN (LEN) MOD	0	4	4	EA	\$ 952.33	\$ 3,809.32
NET INCREASE/(DECREASE) ILLUMINATED SIGN MOD									\$ 3,809.32

Change was based on changes requested by the City of Celina to Illuminated Signs. Revised sheets EQ2, 24 and 325 should be issued with change order #2.

The net increase/(decrease) to the Outer Loop Access Road project cost by this Charge Order is \$3,809.32. New total construction cost to the project \$18,588,618.40.

Yours sincerely

Jesus Gonzalez, PE
 Project Manager
 469-941-8890
 jesus.gonzalez10@jacobs.com

County Collin CIP 659333CH Bid No. _____ Highway Outer Loop Access Road

Description of Work: Change Signs for Preston Road Traffic Signal

Date: 13-Jul-21

EQUIPMENT				Labor					
Description	Hrs	Rate	Amount	Hours		Rate		Amount	
				Reg.	O.T.	Reg.	O.T.		
		\$ -	\$ -			\$ -	\$ -	\$ -	
		\$ -	\$ -			\$ -	\$ -	\$ -	
		\$ -	\$ -			\$ -	\$ -	\$ -	
		\$ -	\$ -			\$ -	\$ -	\$ -	
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		\$ -	\$ -			\$ -	\$ -	\$ -	
		\$ -	\$ -			\$ -	\$ -	\$ -	
		Sub-Total	\$ -					Sub-Total	\$ -
		15%	\$ -					55%	\$ -
		Total Equipment:	\$ -					15%	\$ -
								Total Labor:	\$ -

Material - Supply					Subcontract				
Description	Quantity	UOM	Rate	Amount		Quantity	UOM	Rate	Amount
			\$ -	\$ -	ILSN Lens Modification	4.00	EA	\$ 898.000	\$ 3,592.00
			\$ -	\$ -				\$ -	\$ -
			\$ -	\$ -				\$ -	\$ -
			\$ -	\$ -				\$ -	\$ -
			\$ -	\$ -				\$ -	\$ -
			\$ -	\$ -				\$ -	\$ -
			\$ -	\$ -				\$ -	\$ -
			\$ -	\$ -				\$ -	\$ -
			\$ -	\$ -				\$ -	\$ -
			\$ -	\$ -				\$ -	\$ -
			Sub-Total	\$ -				Sub-Total	\$ 3,592.00
			15%	\$ -				5%	\$ 179.60
			Total Material:	\$ -				Total Subcontract:	\$ 3,771.60

Summary	
Labor	\$ -
Equipment	\$ -
Material	\$ -
Subcontract	\$ 3,771.60
Bond 1%	\$ 37.72
Total Change Request	\$ 3,809.32

DURABLE SPECIALTIES, INC.

CHANGE ORDER PROPOSAL

MARIO SINACOLA & SONS
10950 RESEARCH ROAD
FRISCO, TEXAS 75034

ATTN: ERIC GIEBELHAUS
214.387.3900 PHONE
214.387.3940 FAX
EGIEBELHAUS@MARIOSINACOLA.COM

DATE: JULY 12TH 2021
OWNER: COLLIN COUNTY
PROJECT: OUTER LOOP ACCES ROAD
LOCATION: FROM DALLAS PKWY TO EAST OF SH 289

ITEM#	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
CO1	ILSN LENS MODIFY	4.00	EA \$	898.00 \$	3,592.00

BID TOTAL \$ 3,592.00

SUBMITTED BY:

PATRICK C. BRYAN

ACCEPTED BY:

Price Excludes Concrete Testing/Removal/Replacement, Pavement Markings, Sidewalk/Wheelchair Ramps, Bonding

Price Excludes Staking, Layout, Surveying, Engineering, Foundation Removal, City Permits

Durable will not provide primary or non-contributory insurance, or hold others harmless for their actions.

Price Includes all labor and materials, sales tax for construction equipment only and insurance for items of work quoted

Construction barricades, rumble strips and lane closures are excluded

Allow 180 days for traffic signal & illumination poles. (If poles are included). Proposal will be honored for 45 days

PAYMENT IN FULL (NO RETAINAGE) IS DUE UPON COMPLETION OF WORK FOR CONTRACTS UNDER \$10,000.00.

TERMS AND CONDITIONS STATED ABOVE WILL BE INCLUDED IN ANY SUBSEQUENT CONTRACT OR CONTRACT WILL NOT BE EXECUTED

P.O. BOX 535969 • GRAND PRAIRIE, TX 75053 • PHONE 972 296 6324 • FAX 972 780 7411

927.071221 OUTER LOOP ACCES RD (ILSN LENS MODIFY)



P.O. Box 5508 – Arlington – Texas – 76005-5508
 817.831.9406 – fax 817.831.9407
Estimating@Paradigmtraffic.com
www.paradigmtraffic.com

QUOTATION

TO: Durable Specialties
 2302 Paddock Way Drive
 Grand Prarie, Texas 75050
attn: Patrick Bryan
ph: 972-296-6324
fx: 972-780-7411

RFQ: Durable Specialties
 Collin County ILSN Signs

DATE	SLSMN	DELIVERY OF MATERIAL	FREIGHT	SHIP VIA	F.O.B	TERMS	QTE NUMBER
7/12/2021	RK	45 - 60 Days ARO	PPD & Allowed	Best Way	Destination	Net 30	Q28421RK
ITEM	QTY	DESCRIPTION				UNIT PRICE	TOTAL PRICE
		PLEASE SEE NOTES THROUGHOUT THIS QUOTE					
1	4	ILSN STREET NAME SIGN - FACE ONLY Includes: Pick up of 2ea 10' Double sided ILSN Signs with frames, 4ea New Sign Face with Collin County Logo and 3M Sheeting, Installation and re-delivering corrected signs.				\$817.00	\$3,268.00
For any questions, comments or concerns, Please email us at : Estimating@Paradigmtraffic.com							
						TOTAL	\$3,268.00

*Thank you for the opportunity to submit a proposal to you on this equipment. **Please reference this quotation (by QTE number) when placing order.** If you have any questions, please call or send a fax to me.
 *This quote is valid for 60 days. Thereafter it is subject to change without notice.
 *When sending RFQ's, PO's or RFI's, please send to **ESTIMATING@PARADIGMTRAFFIC.COM**

OFFERED BY:

Robert Kelly
Paradigm Traffic Systems, Inc.
Estimating@paradigmtraffic.com
 Federal ID# 75-2520341

\$USER\$


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NO.	REV.	BID ITEM	DESC	S. P. CODE	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
94		512	6033		PORT CTB (MOVE) (LOW PROF) (TY 1)	LF	330	
95		512	6034		PORT CTB (MOVE) (LOW PROF) (TY 2)	LF	40	
96		512	6057		PORT CTB (REMOVE) (LOW PROF) (TY 1)	LF	640	
97		512	6058		PORT CTB (REMOVE) (LOW PROF) (TY 2)	LF	60	
98		514	6001		PERM CTB (SGL SLOPE) (TY 1) (42)	LF	540	
99		529	6005		CONC CURB (MONO) (TY II)	LF	19,691	
100		530	6001		INTERSECTIONS (CONC)	SY	244	
101		530	6004		DRIVEWAYS (CONC)	SY	232	
102		530	6006		DRIVEWAYS (SURF TREAT)	SY	729	
103		531	6004		CURB RAMPS (TY 1)	EA	4	
104		531	6017		CURB RAMPS (TY 22)	EA	2	
105		536	6004		CONC DIRECTIONAL ISLAND	SY	79	
106		540	6002		MTL W-BEAM GD FEN (STEEL POST)	LF	1,150	
107		540	6006		MTL BEAM GD FEN TRANS (THRIE-BEAM)	EA	6	
108		540	6020		MTL W - BEAM GD FEN (LOW FILL CULVERT)	LF	50	
109		544	6001		GUARDRAIL END TREATMENT (INSTALL)	EA	10	
110		545	6001		CRASH CUSH ATTEN (INSTL)	EA	2	
111		556	6006		PIPE UNDERDRAINS (TY 6) (6")	LF	1,065	
112		618	6023		CONDT (PVC) (SCH 40) (2")	LF	140	
113		618	6029		CONDT (PVC) (SCH 40) (3")	LF	130	
114		618	6030		CONDT (PVC) (SCH 40) (3") (BORE)	LF	260	
115		618	6046		CONDT (PVC) (SCH 80) (2")	LF	100	
116		620	6007		ELEC CONDR (NO. 8) BARE	LF	505	
117		620	6008		ELEC CONDR (NO. 8) INSULATED	LF	840	
118		621	6002		TRAY CABLE (3 CONDR) (12 AWG)	LF	920	
119		624	6008		GROUND BOX TY C (162911)W/APRON	EA	9	
120		628	6187		ELC SRV TY D 120/240 070(NS)SS(E)PS(U)	EA	1	
121		644	6001		IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	84	
122		644	6004		IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	4	
123		644	6007		IN SM RD SN SUP&AM TY10BWG(1)SA(U)	EA	2	
124		644	6017		IN SM RD SN SUP&AM TY10BWG(2)SA(P)	EA	2	
125		644	6064		IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	EA	2	
126		644	6076		REMOVE SM RD SN SUP&AM	EA	5	
127		658	6014		INSTL DEL ASSM (D-SW)SZ (BRF)CTB (BI)	EA	77	
128		658	6015		INSTL DEL ASSM (D-SW)SZ (BRF)GF1	EA	46	
129		658	6048		INSTL OM ASSM (OM-2Z) (FLX)GND	EA	12	
130		662	6063		WK ZN PAV MRK REMOV (W) 4" (SLD)	LF	14,675	
131		662	6095		WK ZN PAV MRK REMOV (Y) 4" (SLD)	LF	8,668	
132		666	6030	007	REFL PAV MRK TY I (W) 8" (DOT) (100MIL)	LF	1,565	
133		666	6036	007	REFL PAV MRK TY I (W) 8" (SLD) (100MIL)	LF	4,323	
134		666	6042	007	REFL PAV MRK TY I (W) 12" (SLD) (100MIL)	LF	809	
135		666	6048	007	REFL PAV MRK TY I (W) 24" (SLD) (100MIL)	LF	515	
136		666	6054	007	REFL PAV MRK TY I (W) (ARROW) (100MIL)	EA	28	
137		666	6078	007	REFL PAV MRK TY I (W) (WORD) (100MIL)	EA	27	
138		666	6102	007	REF PAV MRK TY I (W) 36" (YLD TRI) (100MIL)	EA	18	
139		666	6141	007	REFL PAV MRK TY I (Y) 12" (SLD) (100MIL)	LF	1,327	
140		666	6224	007	PAVEMENT SEALER 4"	LF	56,428	

NO.	REV.	BID ITEM	DESC	S. P. CODE	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
141		666	6226	007	PAVEMENT SEALER 8"	LF	5,888	
142		666	6228	007	PAVEMENT SEALER 12"	LF	2,136	
143		666	6230	007	PAVEMENT SEALER 24"	LF	515	
144		666	6231	007	PAVEMENT SEALER (ARROW)	EA	28	
145		666	6232	007	PAVEMENT SEALER (WORD)	EA	27	
146		666	6243	007	PAVEMENT SEALER (YLD TRI)	EA	18	
147		666	6303	007	RE PM W/RET REQ TY I (W) 4" (SLD) (100MIL)	LF	26,020	
148		666	6315	007	RE PM W/RET REQ TY I (Y) 4" (SLD) (100MIL)	LF	30,408	
149		672	6007		REFL PAV MRKR TY I-C	EA	176	
150		672	6009		REFL PAV MRKR TY II-A-A	EA	474	
151		672	6010		REFL PAV MRKR TY II-C-R	EA	51	
152		677	6001		ELIM EXT PAV MRK & MRKS (4")	LF	1,004	
153		677	6003		ELIM EXT PAV MRK & MRKS (8")	LF	506	
154		677	6005		ELIM EXT PAV MRK & MRKS (12")	LF	1,528	
155		677	6007		ELIM EXT PAV MRK & MRKS (24")	LF	54	
156		677	6008		ELIM EXT PAV MRK & MRKS (ARROW)	EA	4	
157		677	6012		ELIM EXT PAV MRK & MRKS (WORD)	EA	4	
158		680	6002	006	INSTALL HWY TRF SIG (ISOLATED)	EA	1	
159		681	6001		TEMP TRAF SIGNALS	EA	1	
160		682	6001		VEH SIG SEC (12")LED(GRN)	EA	4	
161		682	6002		VEH SIG SEC (12")LED(GRN ARW)	EA	2	
162		682	6003		VEH SIG SEC (12")LED(YEL)	EA	4	
163		682	6004		VEH SIG SEC (12")LED(YEL ARW)	EA	4	
164		682	6005		VEH SIG SEC (12")LED(RED)	EA	4	
165		682	6006		VEH SIG SEC (12")LED(RED ARW)	EA	4	
166		682	6018		PED SIG SEC (LED) (COUNTDOWN)	EA	6	
167		682	6023		BACK PLATE (12") (3 SEC)	EA	4	
168		682	6025		BACK PLATE (12") (5 SEC)	EA	2	
△		684	6031		TRF SIG CBL (TY A) (14 AWG) (5 CONDR)	LF	1,244	
170		684	6033		TRF SIG CBL (TY A) (14 AWG) (7 CONDR)	LF	123	
△		684	6036		TRF SIG CBL (TY A) (14 AWG) (10 CONDR)	LF	1,010	
172		684	6042		TRF SIG CBL (TY A) (14 AWG) (16 CONDR)	LF	750	
173		684	6079		TRF SIG CBL (TY C) (12 AWG) (2 CONDR)	LF	1,365	
174		686	6282		RELOC TRF SG PL AM(S) SNGL MST ARM POLE	EA	4	
△		687	6001		PED POLE ASSEMBLY	EA	5	
176		688	6001		PED DETECT PUSH BUTTON (APS)	EA	6	
177		690	6057		REMOVAL OF PEDESTRIAN RAMPS	EA	10	
178		856	1001		MOISTURE TREATED SUBGRADE	CY	8,141	
179		6027	6003		CONDUIT (PREPARE)	LF	175	
180		6027	6008		GROUND BOX (PREPARE)	EA	2	
181		6090	6002		ILSN (LED) (8 D)	EA	4	
182		6292	6001		RVDS (PRESENCE DETECTION ONLY)	EA	2	
△		6292	6003		RVDS (PRESENCE AND ADVANCE DET)	EA	2	
184		CC543	1001		CABLE BARRIER SYSTEM	LF	765	
△		CC502	1001		RAILROAD FLAGGING	DAY	100	
△		CC416	1000		42" DRILL SHAFT PERM CASING	EA	1	
△		6090	9010		ILSN (LEN) MOD	EA	4	

4	08/13/21	ADDED ITEM 6090	JC
3	03/22/20	REVISED ITEM 684, 687, 6292 & CC416	JC
2	06/04/19	REVISED ITEM 6001	JC
1	05/30/19	ADDED ITEM CC502	JC
NO.	DATE	REVISION	APPROV.

COLLIN COUNTY OUTER LOOP



ESTIMATE & QUANTITIES

SHEET 2 OF 2

JACOBS
FIRM REGISTRATION: F-2966

BOND PROJECT NO. 07-094 SHEET EQ2

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SUMMARY OF TRAFFIC SIGNAL ITEMS												
LOCATION	416 6032	618 6023	618 6029	618 6030	618 6046	620 6007	620 6008	621 6002	624 6008	628 6187	680 6002	681 6001
	DRILL SHAFT (TRF SIG POLE) (36 IN)	CONDT (PVC) (SCH 40) (2")	CONDT (PVC) (SCH 40) (3")	CONDT (PVC) (SCH 40) (3") (BORE)	CONDT (PVC) (SCH 80) (2")	ELEC CONDR (NO. 8) BARE	ELEC CONDR (NO. 8) INSULATED	TRAY CABLE (3 CONDR) (12 AWG)	GROUND BOX TY C (162911) W/APR ON	ELC SRV TY D 120/240 070 (NS) SS (E) P S (U)	INSTALL HWY TRF SIG (ISOLATED)	TEMP TRAF SIGNALS
	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA
Intersection	39	140	130	260	100	505	840	920	9	1	1	1
PROJECT TOTALS	39	140	130	260	100	505	840	920	9	1	1	1

SUMMARY OF TRAFFIC SIGNAL ITEMS												
LOCATION	682 6001	682 6002	682 6003	682 6004	682 6005	682 6006	682 6018	682 6023	682 6025	684 6031	684 6033	684 6036
	VEH SIG SEC (12") LED (GRN)	VEH SIG SEC (12") LED (GRN ARW)	VEH SIG SEC (12") LED (YEL)	VEH SIG SEC (12") LED (YEL ARW)	VEH SIG SEC (12") LED (RED)	VEH SIG SEC (12") LED (RED ARW)	PED SIG SEC (LED) (COUNTD WN)	BACK PLATE (12") (3 SEC)	BACK PLATE (12") (5 SEC)	TRF SIG CBL (TY A) (14 AWG) (5 CONDR)	TRF SIG CBL (TY A) (14 AWG) (7 CONDR)	TRF SIG CBL (TY A) (14 AWG) (10 CONDR)
	EA	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF
Intersection	4	2	4	4	4	4	6	4	2	1,244	123	1,010
PROJECT TOTALS	4	2	4	4	4	4	6	4	2	1,244	123	1,010

SUMMARY OF TRAFFIC SIGNAL ITEMS											
LOCATION	684 6042	684 6079	686 6282	687 6001	688 6001	6027 6003	6027 6008	6090 6002	6292 6001	6292 6003	6090 6010
	TRF SIG CBL (TY A) (14 AWG) (16 CONDR)	TRF SIG CBL (TY C) (12 AWG) (2 CONDR)	RELOC TRF SG PL AM(S) SNGL MST ARM POLE	PED POLE ASSEMBLY	PED DETECT PUSH BUTTON (APS)	CONDUIT (PREPARE)	GROUND BOX (PREPARE)	ILSN (LED) (8 D)	RVDS (PRESENCE DETECTION ONLY)	RVDS (PRESENCE AND ADVANCE DET)	ILSN (LEN) MOD
	LF	LF	EA	EA	EA	LF	EA	EA	EA	EA	EA
Intersection	750	1,365	4	5	6	175	2	4	2	2	4
PROJECT TOTALS	750	1,365	4	5	6	175	2	4	2	2	4

No.	DATE	REVISION	APPROV.
4	08/13/21	ADDED ITEM 6090 QUANTITIES	JG
3	01/22/20	REVISED ITEM 684 QUANTITIES	SI
2	06/04/19	REVISED ITEM 6001 QUANTITIES	SI

COLLIN COUNTY OUTER LOOP



SUMMARY SHEETS SIGNAL

SHEET 7 OF 12



BOND PROJECT NO. 07-094 SHEET 24

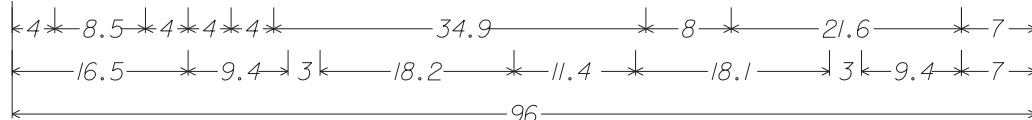
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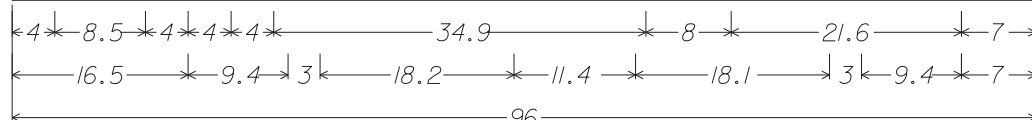
S-1



0.5" Inner border White, 3.0" Radius, 1.5" Outer border, Black on Green; Rounded Rectangle 2.0" Radius White; [S] White D 50% spacing; [Preston] White D 50% spacing; [Road] White D 50% spacing; Standard Arrow Custom 9.4" X 5.4" 180° White; [2300] White D 50% spacing; [2200] White D 50% spacing; Standard Arrow Custom 9.4" X 5.4" 0° White;



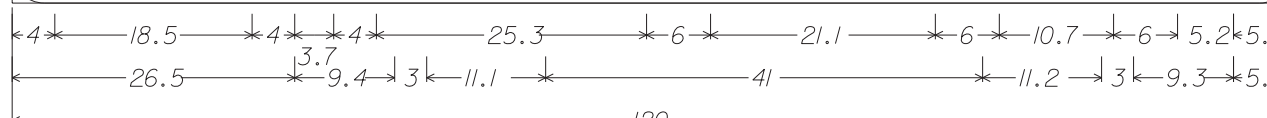
S-2



0.5" Inner border White, 3.0" Radius, 1.5" Outer border, Black on Green; Rounded Rectangle 2.0" Radius White; [S] White D 50% spacing; [Preston] White D 50% spacing; [Road] White D 50% spacing; Standard Arrow Custom 9.4" X 5.4" 180° White; [2200] White D 50% spacing; [2300] White D 50% spacing; Standard Arrow Custom 9.4" X 5.4" 0° White;



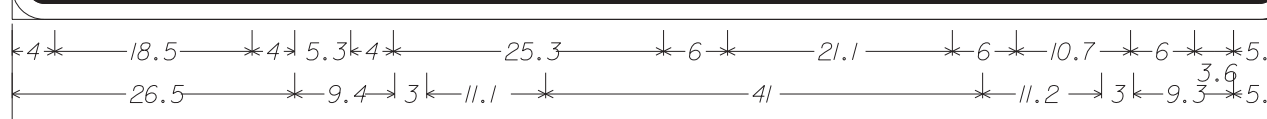
S-3



0.5" Inner border White, 3.0" Radius, 1.5" Outer border, Black on Green; Rounded Rectangle 2.0" Radius White; [E] White D 50% spacing; [Outer] White D 50% spacing; [Loop] White D 50% spacing; [Rd] White D 50% spacing; [W] White D 50% spacing; Standard Arrow Custom 9.4" X 5.4" 180° White; [100] White D 50% spacing; Standard Arrow Custom 9.4" X 5.4" 0° White;



S-4



0.5" Inner border White, 3.0" Radius, 1.5" Outer border, Black on Green; Rounded Rectangle 2.0" Radius White; [W] White D 50% spacing; [Outer] White D 50% spacing; [Loop] White D 50% spacing; [Rd] White D 50% spacing; [E] White D 50% spacing; Standard Arrow Custom 9.4" X 5.4" 180° White; [200] White D 50% spacing; [200] White D 50% spacing; Standard Arrow Custom 9.4" X 5.4" 0° White;

SIGNS



CITY OF CELINA LOGO
7.65x16.65

GENERAL NOTES:
ALL STREET NAME SIGNS SHALL BE INTERNALLY ILLUMINATED. SEE SPECIAL SPECIFICATION 6090.
CONTRACTOR SHALL NOT CONSTRUCT ANY STREET NAME SIGNS WITHOUT WRITTEN APPROVAL OF CITY OF CELINA AND COLLIN COUNTY. COORDINATE WITH KIM BRAUNER AT (972) 310-0185.
ALL LETTERING DETAILS SHALL BE IN ACCORDANCE WITH SHOWN DESCRIPTION ON THESE PLANS.
ALL BORDERS SHALL BE 0.5".
EACH BORDER RADIUS SHALL BE 2".
ALPHABETS AND LATERAL SPACING BETWEEN LETTERS AND NUMERALS SHALL CONFORM WITH THE TEXAS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" LATEST EDITION AND ANY APPROVED CHANGES THERETO. LATERAL SPACING OF TEXT SHALL BE SUCH AS TO PROVIDE A BALANCED APPEARANCE.

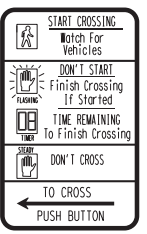
PEDESTRIAN SIGNS



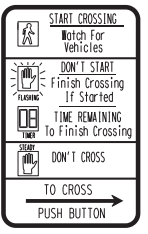
R10-17T
LEFT TURN
YIELD
ON
FLASHING
YELLOW
S-7, 8



R-9-3
S-5, 6



SIGN R10-3eL
9"x15"



SIGN R10-3eR
9"x15"

PB1 (EXISTING SIGN TO REMAIN) PB2
PB3 PB4
PB5 PB6
PB7 PB8



COLLIN COUNTY LOGO
16.65x16.65

STATE OF TEXAS
SINA IMAN
112967
LICENSED PROFESSIONAL ENGINEER
Sina Iman 08/13/2021

NO.	DATE	REVISION	APPROV.
2	08/13/21	REVISED STREET NAME SIGNS	SI
1	05/28/20	REVISED STREET NAME SIGNS	SI

COLLIN COUNTY OUTER LOOP

SIGNAL LAYOUT
PRESTON RD (SH 289)
SIGN DETAILS

SHEET 4 OF 5
JACOBS
FIRM REGISTRATION: F-2966
BOND PROJECT NO. 07-094 SHEET 325

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