

Project:				FM685/KELLY LN		 LJA Engineering, Inc. FM685/KELLY LN COST ESTIMATE			
COUNTY:				WILLIAMSON					
LJA Project No				2096-2201					
CSJ				0757-01-26					
LENGTH:									
ESTIMATE BY:				KEIVAN AMINI					
DATE:				12/23/2025					
ITEM	SPEC	BID CODE		DESCRIPTION	UNITS	EST. QTY.	PROJECT UNIT COST	TOTAL	
TRAFFIC CONTROL									
1	2024	502	7001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	5.0	\$12,300.00	\$61,500.00	
2	2024	503	7002	PORTABLE CHANGEABLE MESSAGE SIGN	EA	2	\$16,000.00	\$32,000.00	
3	2024	505	7001	TMA (STATIONARY)	DAY	150	\$400.00	\$60,000.00	
4	2024	508	7001	CONSTRUCTING DETOURS	SY	85	\$100.00	\$8,500.00	
5	2024	662	7005	WK ZN PAV MRK NON-REMOV (W)6"(BRK)	LF	1,400	\$1.00	\$1,400.00	
6	2024	662	7006	WK ZN PAV MRK NON-REMOV (W)6"(DOT)	LF	30	\$1.00	\$30.00	
7	2024	662	7008	WK ZN PAV MRK NON-REMOV (W)6"(SLD)	LF	3,545	\$1.00	\$3,545.00	
8	2024	662	7012	WK ZN PAV MRK NON-REMOV (W)8"(SLD)	LF	380	\$1.00	\$380.00	
9	2024	662	7017	WK ZN PAV MRK NON-REMOV (W)24"(SLD)	LF	119	\$6.00	\$714.00	
10	2024	662	7018	WK ZN PAV MRK NON-REMOV (W)(ARROW)	EA	3	\$250.00	\$750.00	
11	2024	662	7038	WK ZN PAV MRK NON-REMOV (Y)6"(SLD)	LF	4,155	\$1.00	\$4,155.00	
12	2024	677	7002	ELIM EXT PM & MRKS (6")	LF	8,085	\$4.00	\$32,340.00	
13	2024	677	7004	ELIM EXT PM & MRKS (8")	LF	770	\$5.00	\$3,850.00	
14	2024	677	7006	ELIM EXT PM & MRKS (12")	LF	200	\$6.00	\$1,200.00	
15	2024	677	7008	ELIM EXT PM & MRKS (24")	LF	47	\$10.00	\$470.00	
16	2024	677	7009	ELIM EXT PM & MRKS (ARROW)	EA	5	\$150.00	\$750.00	
							SUBTOTAL	\$211,584.00	
REMOVALS									
17	2024	104	7008	REMOV CONC (MEDIANS)	SY	47	\$50.00	\$2,350.00	
18	2024	104	7013	REMOV CONC (SIDEWALK, RAMP OR SUP)	SY	67	\$50.00	\$3,350.00	
19	2024	104	7017	REMOV CONC (CURB & GUTTER)	LF	755	\$20.00	\$15,100.00	
20	2024	105	7045	RMV (25") TRT/UNTRT BASE & ASPH PAV	SY	1,191	\$20.00	\$23,820.00	
21	2024	496	7001	REMOV STR (BOX CULVERT)	EA	1	\$2,500.00	\$2,500.00	
22	2024	496	7002	REMOV STR (INLET)	EA	2	\$2,000.00	\$4,000.00	
23	2024	686	7313	REMOVE TRF SIG PL	EA	1	\$2,000.00	\$2,000.00	
24	2024	687	7005	REMOVE PED POLE ASSEMBLY	EA	2	\$1,000.00	\$2,000.00	
							SUBTOTAL	\$55,120.00	
ROADWAY ITEMS									
25	2024	100	7002	PREPARING ROW	STA	34	\$5,050.00	\$171,700.00	
26	2024	110	7001	EXCAV (ROADWAY)	CY	3,928	\$20.00	\$78,560.00	
27	2024	132	7003	EMBANK (FNL)(OC)(TY B)	CY	421	\$25.00	\$10,525.00	
28	2024	247	7222	FL BS (RDWY DEL) (TY A GR 5) (IN VEH)	CY	1,338	\$60.00	\$80,280.00	
29	2024	260	7005	LIME (COM OR QK)(SLURRY)	TON	180	\$300.00	\$54,000.00	
30	2024	260	7026	LIME TRT (SUBGRADE)(12")	SY	5,897	\$10.00	\$58,970.00	
31	2024	310	7015	PRIME COAT (MULTI OPTION)	GAL	1,182	\$7.00	\$8,274.00	
32	2024	529	7009	CONC CURB & GUTTER (TY II)	LF	604	\$60.00	\$36,240.00	
33	2024	531	7002	CONC SIDEWALKS (5")	SY	17	\$120.00	\$2,040.00	
34	2024	531	7010	CURB RAMPS (TY 7)	EA	2	\$3,500.00	\$7,000.00	
35	2024	341	7003	D-GR HMA TY-B PG64-22 (EXEMPT)	TON	1,386	\$150.00	\$207,900.00	
36	2024	341	7063	D-GR HMA TY-D SAC-B PG 76-22 (EXEMPT)	TON	688	\$150.00	\$103,200.00	
37	2024	347	7001	TOM-C PG76-22 SAC-A	TON	341	\$200.00	\$68,200.00	
38	2024	3007	7001	BONDING COURSE	GAL	584	\$7.00	\$4,088.00	
							Subtotal	\$890,977.00	

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ITEM	SPEC	BID CODE		DESCRIPTION	UNITS	EST. QTY.	PROJECT UNIT COST	TOTAL
DRAINAGE AND WATER QUALITY ITEMS								
39	2024	464	7005	RC PIPE (CL III)(24 IN)	LF	224	\$210.00	\$47,040.00
40	2024	464	7007	RC PIPE (CL III)(30 IN)	LF	28	\$230.00	\$6,440.00
41	2024	465	7002	MANH (COMPL)(PRM)(48IN)	EA	1	\$8,300.00	\$8,300.00
42	2024	465	7149	INLET (COMPL)(PAZD)(SL)(3FTX3FT)	EA	3	\$7,000.00	\$21,000.00
43	2024	467	7346	SET (TY II) (30 IN) (RCP) (4: 1) (C)	EA	1	\$3,150.00	\$3,150.00
44	2024	479	7006	ADJUSTING INLETS (CAP)	EA	2	\$3,600.00	\$7,200.00
Subtotal								\$93,130.00
EROSION CONTROL ITEMS								
45	2024	160	7004	FURN & PLACE TOPSOIL (6")	SY	7,925	\$8.00	\$63,400.00
46	2024	164	7004	BROADCAST SEED (PERM_URBAN_CLAY)	SY	7,925	\$1.50	\$11,887.50
47	2024	168	7001	VEGETATIVE WATERING	TGL	159	\$50.00	\$7,950.00
48	2024	192	7009	PLANT BED PREP	SY	850	\$7.00	\$5,950.00
49	2024	192	7016	LANDSCAPE EDGE	LF	1,035	\$20.00	\$20,700.00
50	2024	192	7070	TRANS PLANT MATERIAL (SHRUB)	EA	50	\$10.00	\$500.00
51	2024	192	7076	TRANS PLANT MATERIAL (1"-2" CAL)	EA	50	\$20.00	\$1,000.00
52	2024	192	7077	TRANS PLANT MATERIAL (2"-4" CAL)	EA	50	\$30.00	\$1,500.00
53	2024	193	7027	VEGETATIVE WATERING	TGL	17	\$50.00	\$850.00
54	2024	506	7002	ROCK FILTER DAMS (INSTALL) (TY 2)	LF	50	\$53.00	\$2,650.00
55	2024	506	7011	ROCK FILTER DAMS (REMOVE)	LF	50	\$20.00	\$1,000.00
56	2024	506	7020	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	50	\$36.00	\$1,800.00
57	2024	506	7024	CONSTRUCTION EXITS (REMOVE)	SY	50	\$14.00	\$700.00
58	2024	506	7043	BIODEG EROSN CONT LOGS (INSTL) (8")	LF	49	\$10.00	\$490.00
59	2024	506	7046	BIODEG EROSN CONT LOGS (REMOVE)	LF	49	\$3.00	\$147.00
Subtotal								\$120,524.50
SIGNING, PAVEMENT MARKING, AND TRAFFIC ITEMS								
60	2024	416	7044	DRILL SHAFT (TRF SIG POLE) (36 IN)	LF	14	\$700.00	\$9,800.00
61	2024	618	7036	CONDT (PVC) (SCH 40) (3")	LF	300	\$30.00	\$9,000.00
62	2024	618	7037	CONDT (PVC) (SCH 40) (3") (BORE)	LF	690	\$60.00	\$41,400.00
63	2024	620	7007	ELEC CONDR (NO.8) BARE	LF	1,280	\$2.00	\$2,560.00
64	2024	620	7008	ELEC CONDR (NO.8) INSULATED	LF	4,510	\$2.20	\$9,922.00
65	2024	620	7015	ELEC CONDR (NO.2) BARE	LF	655	\$4.00	\$2,620.00
66	2024	620	7016	ELEC CONDR (NO.2) INSULATED	LF	1,310	\$4.50	\$5,895.00
67	2024	624	7008	GROUND BOX TY D (162922)W/APRON	EA	2	\$2,000.00	\$4,000.00
68	2024	680	7002	INSTALL HWY TRF SIG (ISOLATED)	EA	1	\$40,000.00	\$40,000.00
69	2024	682	7001	VEH SIG SEC (12")LED(GRN)	EA	3	\$360.00	\$1,080.00
70	2024	682	7002	VEH SIG SEC (12")LED(GRN ARW)	EA	4	\$360.00	\$1,440.00
71	2024	682	7003	VEH SIG SEC (12")LED(YEL)	EA	3	\$360.00	\$1,080.00
72	2024	682	7004	VEH SIG SEC (12")LED(YEL ARW)	EA	4	\$360.00	\$1,440.00
73	2024	682	7005	VEH SIG SEC (12")LED(RED)	EA	3	\$360.00	\$1,080.00
74	2024	682	7006	VEH SIG SEC (12")LED(RED ARW)	EA	4	\$360.00	\$1,440.00
75	2024	682	7018	PED SIG SEC (LED)(COUNTDOWN)	EA	2	\$1,000.00	\$2,000.00
76	2024	682	7042	BACKPLATE W/REF BRDR(3 SEC)(VENT)ALUM	EA	7	\$215.00	\$1,505.00
77	2024	684	7007	TRF SIG CBL (TY A)(12 AWG)(2 CONDR)	LF	615	\$2.00	\$1,230.00
78	2024	684	7031	TRF SIG CBL (TY A)(14 AWG)(5 CONDR)	LF	2,701	\$3.50	\$9,453.50
79	2024	684	7033	TRF SIG CBL (TY A)(14 AWG)(7 CONDR)	LF	365	\$5.00	\$1,825.00

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80	2024	686	7047	INS TRF SIG PL AM(S)1 ARM(44')LUM	EA	1	\$18,500.00	\$18,500.00
81	2024	687	7001	PED POLE ASSEMBLY	EA	2	\$5,000.00	\$10,000.00
82	2024	688	7001	PED DETECT PUSH BUTTON (APS)	EA	2	\$1,500.00	\$3,000.00
83	2024	690	7010	REPLACE OF CABLES	LF	1,291	\$7.00	\$9,037.00
84	2024	6013	7008	GROUND BOX W/ APRON (ADJUST)	EA	1	\$1,300.00	\$1,300.00
85	2024	644	7001	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	3	\$850.00	\$2,550.00
86	2024	644	7004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	4	\$950.00	\$3,800.00
87	2024	644	7064	IN SM RD SN SUP&AM (INST SIGN ONLY)	EA	2	\$325.00	\$650.00
88	2024	644	7065	RELOCATE SM RD SN SUP&AM TY 10BWG	EA	18	\$625.00	\$11,250.00
89	2024	644	7067	RELOCATE SM RD SN SUP&AM TY S80	EA	2	\$700.00	\$1,400.00
90	2024	644	7073	REMOVE SM RD SN SUP&AM	EA	4	\$160.00	\$640.00
91	2024	644	7075	REMOVE SM RD SN SUP&AM (SIGN ONLY)	EA	2	\$120.00	\$240.00
92	2024	666	7408	REFL PAV MRK TY I (W)6"(BRK)(100MIL)	LF	1,555	\$1.50	\$2,332.50
93	2024	666	7411	REFL PAV MRK TY I (W)6"(SLD)(100MIL)	LF	2,577	\$2.00	\$5,154.00
94	2024	666	7018	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF	401	\$2.25	\$902.25
95	2024	666	7024	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF	1,097	\$2.35	\$2,577.95
96	2024	666	7030	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	LF	130	\$4.00	\$520.00
97	2024	666	7036	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	470	\$8.00	\$3,760.00
98	2024	666	7042	REFL PAV MRK TY I (W)(ARROW)(100MIL)	EA	11	\$220.00	\$2,420.00
99	2024	666	7045	REFL PAV MRK TY I(W)(DBL ARROW)(100MIL)	EA	2	\$400.00	\$800.00
100	2024	666	7054	REFL PAV MRK TY I(W)(U-LT ARW)(100 MIL)	EA	4	\$400.00	\$1,600.00
101	2024	666	7060	REFL PAV MRK TY I(W)(LNDR ARW)(100MIL)	EA	2	\$300.00	\$600.00
102	2024	666	7066	REFL PAV MRK TY I (W)(WORD)(100MIL)	EA	12	\$280.00	\$3,360.00
103	2024	666	7090	REF PAV MRK TY I(W)36"(YLD TRI)(100MIL)	EA	14	\$50.00	\$700.00
104	2024	666	7423	REFL PAV MRK TY I (Y)6"(SLD)(100MIL)	LF	4,012	\$2.00	\$8,024.00
105	2024	666	7172	RE PM TY II (W) 6" (BRK)	LF	1,555	\$0.50	\$777.50
106	2024	666	7175	RE PM TY II (W) 6" (SLD)	LF	2,577	\$0.40	\$1,030.80
107	2024	666	7177	RE PM TY II (W) 8" (DOT)	LF	401	\$0.70	\$280.70
108	2024	666	7179	RE PM TY II (W) 8" (SLD)	LF	1,097	\$0.80	\$877.60
109	2024	666	7182	RE PM TY II (W) 12" (SLD)	LF	130	\$4.00	\$520.00
110	2024	666	7184	RE PM TY II (W) 24" (SLD)	LF	470	\$6.00	\$2,820.00
111	2024	666	7186	RE PM TY II (W) (ARROW)	EA	11	\$100.00	\$1,100.00
112	2024	666	7187	RE PM TY II (W) (DBL ARROW)	EA	2	\$140.00	\$280.00
113	2024	666	7190	RE PM TY II (W) (U-LT ARR)	EA	4	\$350.00	\$1,400.00
114	2024	666	7192	RE PM TY II (W) (LN REDUCT ARW)	EA	2	\$350.00	\$700.00
115	2024	666	7194	RE PM TY II (W) (WORD)	EA	12	\$100.00	\$1,200.00
116	2024	666	7201	RE PM TY II (W) 36" (YLD TRI)	EA	14	\$30.00	\$420.00
117	2024	666	7213	RE PM TY II (Y) 6" (SLD)	LF	4,012	\$0.50	\$2,006.00
118	2024	672	7004	REFL PAV MRKR TY II-A-A	EA	10	\$8.00	\$80.00
119	2024	672	7006	REFL PAV MRKR TY II-C-R	EA	322	\$8.00	\$2,576.00
							Subtotal	\$259,956.80
							Total	\$1,631,292.30

MISCELLANEOUS ITEMS

120	2024	500	7001	MOBILIZATION	LS	1	10%	\$163,130.00
121				CONTINGENCY (10%)	LS	1	10%	\$163,130.00
122				INCIDENTAL CONSTRUCTION ITEMS	LS	1	15%	\$244,694.00
							Construction Total	\$2,202,246.30

This estimate is based upon TxDOT Unit Bid Prices

*Any opinion of construction costs prepared by **LJA** is supplied for the general guidance of the Client only. Since **LJA** has no control over competitive bidding or market conditions, **LJA** cannot guarantee the accuracy of such opinions as compared to contract bids or actual costs to Client .*