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February 28, 2019
31595

Jeff Durham, P.E.
Collin County Engineering Department
4690 Community Ave., Suite 200
McKinney, TX 75071

RE: Dallas North Tollway Southbound Frontage Road – Change Order #3 (Revised)

Dear Mr. Durham:

Halff recommends the following Change Order #3 modifications to the Dallas North Tollway Southbound Frontage Road project.

1. SBFR Right Turn Lane at First Street

ITEM NO.	DESC.	SP	ITEM DESCRIPTION	PREVIOUS QUANTITY	REVISION	REVISED QUANTITY	UNIT	CONTRACT CHANGE	
								UNIT COST	SUBTOTAL COST
6	132	002	EMBANKMENT (FINAL)(DENS CONT)(TYC)	128,294	41	128,335	CY	\$ 2.00	\$ 82.00
15	360		CONC PVMT (CONT REINF - CRCP) (9")	97,827	481	98,308	SY	\$ 39.00	\$ 18,759.00
46	464		RC PIPE (CL III)(18 IN)	4,867	18	4,885	LF	\$ 55.00	\$ 990.00
144	666	007	REFL PAV MRK TY I (W)8"(SLD)(100ML)	5,857	294	6,151	LF	\$ 1.45	\$ 426.30
146	666	007	REFL PAV MRK TY I (W)(ARROW)(100ML)	62	1	63	EA	\$ 125.00	\$ 125.00
148	666	007	REFL PAV MRK TY I (W)(WORD)(100ML)	46	1	47	EA	\$ 165.00	\$ 165.00
153	672		REFL PAV MRK TY II-C-R	2,027	30	2,057	EA	\$ 5.75	\$ 172.50
184	856		MOISTURE TREATED SUBGRADE	74,041	344	74,385	CY	\$ 1.25	\$ 430.00
206	110		EXCAVATION (ROADWAY)	102,156	293	102,449	CY	\$ 5.30	\$ 1,552.90
207	247		FLEX BASE TYPE D GRADE 1 OR 2 WITH 8 MIL POLY	125,402	481	125,883	SY	\$ 7.35	\$ 3,535.35
210	666		REFL PAV MRK TY I (W)24"(SLD)(100ML)	0	12	12	LF	\$ 7.00	\$ 84.00
			TOTAL ADDITIONS:						\$ 26,322.05
			NET INCREASE / (DECREASE) SBFR RIGHT TURN LANE AT FIRST STREET						\$ 26,322.05

The attached revised sheets (6, 8, 78, 221) for SBFR right turn lane and updated drainage should be issued with this change order #3. We recommend the following wording also be included in the change order document:

Plan sheets 6, 8, 78, and 221 are hereby removed and replaced with attached sheets 6, 8, 78, and 221. This change order is issued for the installation of a SBFR right turn lane at First street. Changes to First Street that are depicted will be summarized and included in a future change order.

2. Revisions to the CCOL EBFR per Improvements Proposed by the Cambridge Group

ITEM NO.	SPEC REF	SP	ITEM DESCRIPTION	PREVIOUS QUANTITY	REVISION	REVISED QUANTITY	UNIT	CONTRACT CHANGE	
								UNIT COST	SUBTOTAL COST
14	341	001	D-GR HMA TY-B PG64-22	1,607	(589)	1,018	TN	\$ 91.05	\$ (53,628.45)
142	666	007	REFL PAV MRK TY I (W)4"(SLD)(100ML)	7,791	(548)	7,243	LF	\$ 0.55	\$ (301.40)
146	666	007	REFL PAV MRK TY I (W)(ARROW)(100ML)	63	(1)	62	EA	\$ 125.00	\$ (125.00)
149	666	007	REFL PAV MRK TY I (W)4"(SLD)(100ML)	14,648	(478)	14,170	LF	\$ 0.55	\$ (262.90)

150	666	007	REFL PAV MRK TY I (Y)12"(SLD)(100MIL)	3,835	(200)	3,635	LF	\$	3.25	\$ (650.00)
152	672		REFL PAV MRKR TY II-A-A	327	(13)	314	EA	\$	5.75	\$ (74.75)
160	678		PAV SURF PREP FOR MRK (4")	38,674	(1025)	37,649	LF	\$	0.12	\$ (123.00)
162	678		PAV SURF PREP FOR MRK (12")	4,873	(200)	4,673	LF	\$	0.65	\$ (130.00)
164	678		PAV SURF PREP FOR MRK (ARROW)	62	(1)	61	EA	\$	24.00	\$ (24.00)
207	247		FLEX BASE TYPE D GRADE 1 OR 2 WITH 8 MIL POLY	125,883	(895)	124,988	SY	\$	7.35	\$ (6,578.25)
			TOTAL DEDUCTIONS:							\$ (61,897.75)
ADDITIONS										
ITEM NO.	DESC.	SP	ITEM DESCRIPTION	PREVIOUS QUANTITY	REVISION	REVISED QUANTITY	UNIT	CONTRACT CHANGE		
								UNIT COST	SUBTOTAL COST	
15	360		CONC PVMT (CONT REINF - CRCP) (9")	98,308	541	98,849	SY	\$	39.00	\$ 21,099.00
16	360		CURB (TYPE II)	64,587	145	64,732	LF	\$	1.00	\$ 145.00
144	666	007	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	6,151	37	6,188	LF	\$	1.45	\$ 53.65
161	678		PAV SURF PREP FOR MRK (8")	6,090	37	6,127	LF	\$	0.21	\$ 7.77
163	678		PAV SURF PREP FOR MRK (24")	797	20	817	LF	\$	1.00	\$ 20.00
184	856		MOISTURE TREATED SUBGRADE	74,385	350	74,735	CY	\$	1.25	\$ 437.50
210	666		REFL PAV MRK TY I (W)24"(SLD)(100MIL)	12	20	32	LF	\$	7.00	\$ 140.00
			TOTAL ADDITIONS:							\$ 21,902.92
NET INCREASE / (DECREASE) CCOL EBFR REVISIONS										
										\$ (39,994.83)

The attached revised sheets (72, 99, 110, 119 and 243) for changes to the SBFR to accommodate proposed CCOL EBFR improvements by the Cambridge Group should be issued with this change order #3.

3. Miscellaneous

			DEDUCTIONS						
ITEM NO.	SPEC REF	SP	ITEM DESCRIPTION	PREVIOUS QUANTITY	REVISION	REVISED QUANTITY	UNIT	CONTRACT CHANGE	
								UNIT COST	SUBTOTAL COST
14	341	001	D-GR HMA TY-B PG64-22	1,733	(530)	1,203	TN	\$ 91.05	\$ (48,256.50)
142	666	007	REFL PAV MRK TY I (W)4"(SLD)(100ML)	9,442	(548)	8,894	LF	\$ 0.55	\$ (301.51)
149	666	007	REFL PAV MRK TY I (Y)4"(SLD)(100ML)	14,187	(562)	13,625	LF	\$ 0.55	\$ (308.94)
150	666	007	REFL PAV MRK TY I (Y)12"(SLD)(100ML)	3,612	(247)	3,366	LF	\$ 3.25	\$ (801.13)
152	672		REFL PAV MRKR TY II-A-A	305	(24)	281	EA	\$ 5.75	\$ (138.00)
207	247		FLEX BASE TYPE D GRADE 1 OR 2 WITH 8 MIL POLY	124,988	(1206)	123,782	SY	\$ 7.35	\$ (8,864.10)
			TOTAL DEDUCTIONS:						\$ (58,670.17)
			ADDITIONS						
ITEM NO.	DESC.	SP	ITEM DESCRIPTION	PREVIOUS QUANTITY	REVISION	REVISED QUANTITY	UNIT	CONTRACT CHANGE	
								UNIT COST	SUBTOTAL COST
22	420		CL C CONC (ABUT)(HPC)	80	7	87	CY	\$ 850.00	\$ 5,950.00
210	666		REFL PAV MRK TY I (W)24"(SLD)(100ML)	121	751	872	LF	\$ 7.00	\$ 5,254.90
218	401		FLOWABLE BACKFILL	0	20	20	CY	\$ 136.24	\$ 2,724.80
			TOTAL ADDITIONS:						\$ 13,929.70
			NET INCREASE / (DECREASE) FOR MISCELLANEOUS ITEMS						\$ (44,740.47)

These changes are based on the Contractor's attached proposal dated January 19, 2019 for Flowable Backfill to backfill the removal of a concrete OHE pole at Frontier Parkway. Also, this change order includes additional concrete for the south abutment of the Doe Branch bridge to correct cap depth to match plan drilled shaft elevations. Additionally, temporary asphalt pavement, flex base and striping at CCOL EBFR and NBFR intersection is removed from the contract due to pending CCOL EBFR construction schedule. Finally, an increased 24" white striping quantity is added to reflect project requirements. The attached revised sheets (99 and 111) for CCOL EBFR asphalt transition removal should be issued with this change order #3.



The net increase (decrease) to the Dallas North Tollway Southbound Frontage Road project cost by this Change Order is **(\$58,413.25)**.

Should you have any questions or require any additional information, do not hesitate to contact me.

Sincerely,
HALFF ASSOCIATES, INC.

Michael M. Lesh, P.E.
Project Manager