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October 25, 2023

Mr. Clarence T. Daugherty, P.E.
County Engineer
Collin County
4690 Community Ave., Suite 200
McKinney, TX 75071

RE: Frontier Parkway Engineering Services Agreement
Collin County Contract No. 2016-229
Collin County Purchase Order No. 199212
Amendment No. 17 – Final Engineering Services Reconciliation Amendment (Revision 1.1)

Dear Mr. Daugherty:

As you requested, we are pleased to submit Amendment No. 17 to our Engineering Services Agreement with Collin County dated Sept. 27, 2016 (Collin County Purchase Order No. 199212) for the design, bidding and construction administration services on f Frontier Parkway, from the Dallas North Tollway (DNT) to S.H. 289 (Collin County Contract No. 2016-229).

This Amendment No. 17 makes the following changes to the scope and fee in the original agreement, as amended through Amendment No. 16:

1. New Scope of Services

ITEM-A Part IV: As-Built Survey and As Built Hydraulic Model of the DNT Channel (Lump Sum)

This new scope of services is at the request of the project stakeholders.

It appears the construction contractor did not build and/or maintain the DNT Drainage Channel in accordance with the project construction plans and specifications. This new scope of services item includes:

1. Performing an “as-built” field survey of the DNT Drainage Channel in sufficient detail and manner to make a comparison between the as-designed DNT Drainage Channel and the DNT Channel as it exists currently.
2. Performing a hydraulic model evaluation of the “as-built” DNT Drainage Channel and compare the design hydraulic model results to the as-built hydraulic model results.
3. Prepare a letter report outlining the findings of the as-built survey, the as-built hydraulic model comparison, and providing recommendations for corrective measures to the DNT Channel configuration, if any are warranted.

This Amendment No. 17 formally adds Item A.Part IV scope of work and fee amount of **\$15,000 lump sum** into the engineering services agreement.

4. ITEM C.3a: Irrigation and Lighting Conduit Sleeves

This scope of work item is an Optional Service that was elected by Collin County at the time of contract award but was inadvertently excluded from the original engineering services contract amount. This Amendment No. 17 formally adds Item C.3a scope of work and fee amount of **\$5,000 lump sum** into the engineering services agreement.

5. Various Scope Item Final Fee Reconciliation

a. The following engineering services scope items are over the established contract limits:

- i. Item B.10 – Attend twenty (20) Construction Progress Meetings – Over by \$2,633
- ii. Item D. 4 – County Road 51 Left Turn Lane (\$0.00 in agreement). Over by: \$ 187

Total Amount of Scope Item Fee Overages: \$2,820

b. The following engineering services scope items are (under) the established contract limits and will not be invoiced.

- i. Item B.1 – Field Surveys: (\$1,648)
- ii. Item B.3 – Geotechnical Investigations and Report: (\$2,036)
- iii. Item B.7 – 404 Permit Application: (\$ 774)
- iv. Item B.7 – Permits and Utility Relocation Coordination: (\$ 635)

Total Amount of Scope Item Fee Credits: (\$5,093)

PROJECT SCHEDULE

This Amendment No. 17 has no effect on the project schedule.

CHANGE IN FEES

The fee schedule is hereby modified by the amounts shown under the column heading “Amendment No. 17” on **Exhibit “C”– Engineering Services Fee Schedule -Amendment No. 17**

Mr. Clarence Daugherty, P.E.
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Total additional compensation for this Engineering Services Amendment No. 17 shall be Seventeen Thousand Seven Hundred Twenty-Seven Dollars (\$17,727) unless the scope of services is expanded or otherwise modified by Collin County.

If this Amendment No. 17 to our original agreement dated September 27, 2016, meets with your approval, please have one set executed for Collin County and returned to our office. We look forward to our continued work on this project with you and your staff.

Sincerely,

Gary C. Hendricks, P.E., R.P.L.S.

APPROVED BY COLLIN COUNTY, TEXAS

By:

Date:

**Exhibit “C”
 Engineering Service Fee Schedule – Amendment No. 17**

Engineering Service Agreement Phase			Contract Amounts (\$)		
			Contract Amount Through Amendment No. 16	This Amendment No. 17 (Final Reconciliation)	Revised Contract Amount, this Amendment No. 17
A. Basic Services Parts I-III (Lump Sum)	Part I. A.	Schematic Design	\$165,000		\$165,000
	Part I.B.	Final Design	\$1,279,340		\$1,279,340
	Part I.C.	Full Bridge Width Design with Alternate Bid for 4-lane Bridge	\$120,700		\$120,700
	Part I.D.	PISD Detention Pond Design	\$25,992		\$25,992
	Part I.E.	Prairie Crossing Road Design Phase	\$97,360		\$97,360
	Part I.E.a.	Prairie Crossing Road Bid Phase	\$0		\$0
	Part I.E.b.	Prairie Crossing Road Construction Phase	\$0		\$0
	Part I.F.	Traffic Signal Design at DNT and Preston Road	\$30,000		\$30,000
	Part I.G.	Temporary and Permanent Traffic Signal Design at Worthington and Victory Way	\$40,000		\$40,000
	Part II	Bidding Phase	\$31,750		\$31,750
	Part III.	Construction Administration	\$281,750		\$281,750
	Part IV	As-Built Survey and Hydraulic Model of DNT Channel	\$0	\$15,000	\$15,000
	Subtotal - Basic Services (Part A)			\$2,071,892	\$15,000
B. Additional Services (Hourly)	1	Field Surveys (Design, Property and Construction Support):	\$63,040	(\$1,648)	\$61,392
	2	R-O-W Map, Plats and Field Notes Descriptions (16 each):	\$79,247		\$79,247
	3	Geotechnical Investigation and Report:	\$80,326	(\$2,036)	\$78,290
	4	Flood Study:	\$28,120	(\$0)	\$28,120
	5	NCTCOG Environmental Form:	\$27,700		\$27,700
	6	404 Permit Application (Nationwide Permit 14):	\$38,751	(\$774)	\$37,977
	7	Permits (TxDOT, BNSF) and Utility Relocation Coordination:	\$89,500	(\$635)	\$88,865
	8	Asbestos Evaluation (4 Buildings):	\$2,215		\$2,215
	9	Project Stakeholder Design Meetings	\$50,176		\$50,176
	10	Attend Twenty(20) Additional Progress Meetings:	\$21,000	\$2,633	\$23,633
	11	Additional Printing of Construction Plans and Specifications:	\$5,000		\$5,000
	12	Revised Schematic Layouts, Drainage Evaluations, Cost Estimates and Coordination Meetings	\$20,870		\$20,870
	13a.	Doe Branch Tributary C Hydraulic Evaluations and Report	\$30,859	\$0	\$30,859
	13b.	Revised Flood Study for Detention Pond Design	\$8,636	(\$0)	\$8,636
	14	PISD Detention Pond Replat	\$15,000		\$15,000
15	Level A Sub-Surface Utility Locates	\$4,100		\$4,100	
Subtotal Additional Services (Part B)			\$564,540	(\$2,460)	\$562,080

Exhibit “C” (Continued)
Engineering Service Fee Schedule – Amendment No. 17

Engineering Service Agreement Phase		Contract Amounts (\$)		
		Contract Amount Through Amendment No. 16	This Amendment No. 17 (Final Reconciliation)	Revised Contract Amount, this Amendment No. 17
C. Optional Services (Hourly)	1	Traffic Signal Warrant Study	\$0	\$0
	2	Street Lighting Design	\$16,000	\$16,000
	3	Full Irrigation Design Plans and Specifications	\$0	\$0
	3a	Irrigation and Lighting Conduit Sleeves Only	\$0	\$5,000
	4	Sidewalks and Barrier Free Ramps (TDLR \$2,085 fee Included)	\$23,500	\$23,500
	5	On-site Observation of Construction Activity	\$0	\$0
	6a	Project Visualization - Final Design Only	\$28,750	\$28,750
	6b	Project Visualization - Construction Phases	\$14,100	\$14,100
	Subtotal Optional Services (Part C)		\$82,350	\$5,000
D. New Developer Initiated Driveways, Median Openings and Left Turn Lanes (LUMP SUM)	1	(Reserved for Mosey Tract - Celina)	\$0	\$0
	2	Light Farms Laurel and Bartlett Phase I (Celina)	\$8,625	\$8,625
	3	Frontier Crossing (Celina)	\$5,750	\$5,750
	4	Reserved for Prose Frontier 51 -Bg-Gbt Celina 15LP (Celina)	\$0	\$187
	5	The Grove (Celina)	\$13,725	\$13,725
	6	(Reserved for Metten Tract - Proseper)	\$0	\$0
	7	(Reserved for Frisco Tollway Partners - Prosper)	\$0	\$0
	8	Victory at Frontier (Prosper)	\$4,600	\$4,600
	9	7-Eleven (Prosper)	\$5,750	\$5,750
	10	All Storage Driveway Shift (47-feet east) (Celina)	\$14,750	\$14,750
	11	Two (2) Added Left Turn Storage Bays (Celina)	\$12,000	\$12,000
	12	One (1) Added Left Turn Storage Bay (Celina)	\$12,000	\$12,000
	Subtotal - New Driveways, Median Openings and Left Turn Bays (Part D)		\$77,200	\$187
Engineering Services Agreement Grand Total:		\$2,795,982	\$17,727	\$2,813,709