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December 10, 2021

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. 13 v12.10.2021 (Previously Amendment No. 12)

Dear Mr. Daugherty:

As you requested, we are pleased to submit Amendment No. 13 to our Engineering Services Agreement with Collin County dated Sept. 27, 2016 (Collin County Purchase Order No. 199212) for the design of Frontier Parkway, from the Dallas North Tollway (DNT) to S.H. 289 (Collin County Contract No. 2016-229).

This Amendment No. 13 makes the following changes to the scope and fee in the original agreement, as amended through Amendment No. 12.

EXISTING SCOPE ITEM CHANGES:

Item A.III: Construction Administration (\$60,000 - Lump Sum):

- a. A Partial Notice to Proceed with Construction was issued to the construction contractor on Feb 15, 2011. BHC began construction administration efforts on that day.
- b. The Full Notice to Proceed with Construction was issued to the construction contractor on Aug. 9, 2021. Contract time began to accrue on that date.
- c. Construction Contract time is 633 calendar days. The Partial Notice to Proceed provided the construction contract time to effectively be extended 175 calendar days. BHC was fully engaged in construction administration task during this extended period.
- d. This ESA Amendment No. 12 provides compensation for the additional effort expected to be expended for the effective extended construction contract time.

Item B.2: ROW Maps, Plats and Field Notes (\$728 - Hourly Basis):

a. Additional Right-of-way Staking requested by Collin County to confirm monuments set on the Bg-GBT tract.

Item B.3: Geotechincal Investigations and Reports (\$5,000 - Direct Invoice Amount):

- a. At the County's request, additional effort to perform a global stability analysis due to change in design for the MSE retaining wall at the Effie Christie Tract in order to avoid the need for a temporary construction easement.
- b. Added funds to cover additional construction support effort for moisture treated subgrade means and methods consultation from geotechnical engineer.

Mr. Clarence Daugherty, P.E. Frontier Parkway Engineering Services Agreement – Amendment No. 13 v12.10.2021 December 10, 2021 Page No. 2 of 11

Item B.7: Utility Coordination and Permits (\$5,000 - Hourly Basis):

a. Franchise Utility Relocations along the project corridor remains on-going and incomplete. This Amendment No. 12 provides additional compensation for the continuing scope of services provided to coordinate and review franchise utility relocation plans, attend utility coordination meetings with the City of Celina and Town of Prosper, and field meetings as necessary to coordinate various franchise utility relocation efforts.

NEW SCOPE ITEMS (\$38,450 - Lump Sum):

New Developer Initiated Driveways, Median Openings, Left Turn Bays and Right Turn Lanes

After the final design of Frontier Parkway was complete, several adjoining private developments in both Celina and Prosper have requested seven (7) new driveway connections, median openings, left turn bays and right turn deceleration lanes on Frontier Parkway. This Amendment No. 12 covers:

- 1. Design effort required to modify the plans for each of the new driveway and median opening locations, including necessary storm drainage design modifications.
- 2. Estimate the new quantities for each location
- 3. Prepare the construction contract change order
- 4. Calculate the cost of each new connection and estimate the developer and Stakeholder cost sharing (if any).
- 5. Additional Construction Administration effort.

Exhibit A – New Developer Initiated Driveways and Median Openings Project Location Map

Identifies and generally locates each new connection point.

Exhibit B identifies the general concept layout and scope of work for each connection as follows:

Task Item D.01:	Reserved for Mosey Tract (Celina) – Not a part of this Amendment
Task Item D.02:	Light Farms Laurel and Bartlett Phase I (Celina)
Task Item D.03:	Frontier Crossing (2 driveways) (Celina)
Task Item D.04:	Reserved for Prose Frontier 51 (Celina) – Not a part of the Amendment
Task Item D.05:	The Grove (2 driveways) (Celina)
Task Item D.06:	Reserved for Metten Tract (Prosper) - Not a part of this Amendment
Task Item D.07:	Reserved for Frisco Tollway Partners (Prosper) – Not a part of this Amendment
Task Item D.08:	Victory at Frontier (Prosper)
Task Item D.09:	7-Eleven (Prosper)

PROJECT SCHEDULE

Based on Collin County's Full Notice to Proceed with Construction, this project is now scheduled to be complete on or before May 4, 2023.

CHANGE IN FEE

The fee schedule is hereby modified by the amounts shown under the column heading "Amendment No. 12" on the **Exhibit "C"– Engineering Services Fee Schedule -Amendment No. 13**.

SEE NEXT PAGE

			Contract Amounts (\$)		
	Engineering Service Agreement Phase		Contract Amount Through Amendment No. 12	Amendment No. 13	Revised Contract Amount, this Amendment No. 13
	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
ices I	Part I.E.	Prairie Crossing Road Design Phase	\$97,360		\$97,360
Servi s I -II p Sun	Part I.E.a.	Prairie Crossing Road Bid Phase	\$0		\$0
A. Basic Services Parts I -III (Lump Sum)	Part I.E.b.	Prairie Crossing Road Construction Phase	\$0		\$0
A. F	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	\$221,750	\$60,000	\$281,750
		Subtotal - Basic Services (Part A)	\$2,011,892	\$60,000	\$2,071,892
	1	Field Surveys (Design, Property and Construction Support):	\$63,040		\$63,040
	2	R-O-W Map, Plats and Field Notes Descriptions (16 each):	\$78,519	\$728	\$79,247
	3	Geotechnical Investigation and Report:	\$75,326	\$5,000	\$80,326
	4	Flood Study:	\$28,120		\$28,120
	5	NCTCOG Environmental Form:	\$27,700		\$27,700
	6	404 Permit Application (Nationwide Permit 14):	\$38,751		\$38,751
ices	7	Permits (TxDOT, BNSF) and Utility Relocation Coordination:	\$84,500	\$5,000	\$89,500
litional Services (Hourly)	8	Asbestos Evaluation (4 Buildings):	\$2,215		\$2,215
itional So (Hourly)	9	Project Stakeholder Design Meetings	\$50,176		\$50,176
	10	Attend Twenty(20) Additional Progress Meetings:	\$21,000		\$21,000
B. Add	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		\$30,859
	13b.	Revised Flood Study for Detention Pond Design	\$8,636		\$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)	\$553,812	\$10,728	\$564,540

Exhibit "C" Engineering Service Fee Schedule – Amendment No. 13

			Contract Amounts (\$)		
Engineering Service Agreement Phase		Contract Amount Through Amendment No. 12	Amendment No. 13	Revised Contract Amount, this Amendment No. 13	
	1	Traffic Signal Warrant Study	\$0		\$0
	2	Street Lighting Design	\$16,000		\$16,000
C. Optional Services (Hourly)	3	Full Irrigation Design Plans and Specifications	\$0		\$0
	3a	Irrigation and Lighting Conduit Sleeves Only	\$5,000		\$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	Prject Visualization - Construction Phases	\$14,100		\$14,100
		Subtotal Optional Services (Part C)	\$87,350	\$0	\$87,350
	1	(Resrved for Mosey Tract - Celina)	\$0	\$0	\$0
d uings	2	Light Farms Laurel and Bartlett Phase I (Celina)	\$0	\$8,625	\$8,625
itiate Oper	3	Frontier Crossing (Celina)	\$0	\$5,750	\$5,750
D. New Developer Intitiated Driveway s and Median Openings (LUMP SUM)	4	Reserved for Prose Frontier 51 -Bg-Gbt Celina 15LP (Celina)	\$0	\$0	\$0
	5	The Grove (Celina)	\$0	\$13,725	\$13,725
	6	(Reserved for Metten Tract - Proseper)	\$0	\$0	\$0
	7	(Reserved for Frisco Tollway Partners - Prosper)	\$0	\$0	\$0
	8	Victory at Frontier (Prosper)	\$0	\$4,600	\$4,600
	9	7-Eleven (Prosper)	\$0	\$5,750	\$5,750

Exhibit "C" Engineering Service Fee Schedule – Amendment No. 13 (Continued)

D. New Developer Intitiated Driveway s and Median Openings (LUMP SUM)	1	(Resrved for Mosey Tract - Celina)	\$0	\$0	\$0
	2	Light Farms Laurel and Bartlett Phase I (Celina)	\$0	\$8,625	\$8,625
	3	Frontier Crossing (Celina)	\$0	\$5,750	\$5,750
	4	Reserved for Prose Frontier 51 -Bg-Gbt Celina 15LP (Celina)	\$0	\$0	\$0
	5	The Grove (Celina)	\$0	\$13,725	\$13,725
	6	(Reserved for Metten Tract - Proseper)	\$0	\$0	\$0
	7	(Reserved for Frisco Tollway Partners - Prosper)	\$0	\$0	\$0
	8	Victory at Frontier (Prosper)	\$0	\$4,600	\$4,600
	9	7-Eleven (Prosper)	\$0	\$5,750	\$5,750
	Sı	ubtotal - New Driveways and Median Openings (Part D)	\$0	\$38,450	\$38,450
	En	gineering Services Agreement Grand Total:	\$2,653,054	\$109,178	\$2,762,232

Mr. Clarence Daugherty, P.E. Frontier Parkway Engineering Services Agreement – Amendment No. 13 v12.10.2021 December 10, 2021 Page No. 5 of 11

Total additional compensation for this Engineering Services Amendment No. 13 shall not exceed \$109,178.00 without written authorization from the County.

If this Amendment No. 13 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,

APPROVED BY COLLIN COUNTY, TEXAS

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

By:

Date:

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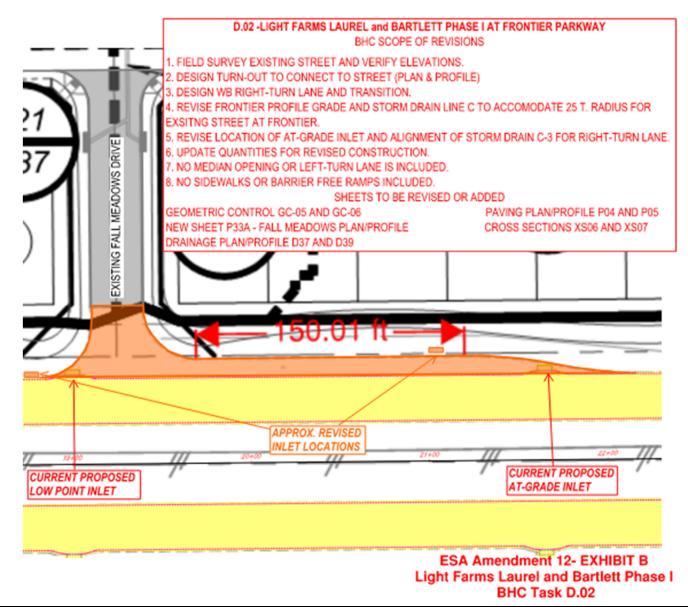


Task D.06 (Reserved for Metten, Prosper)

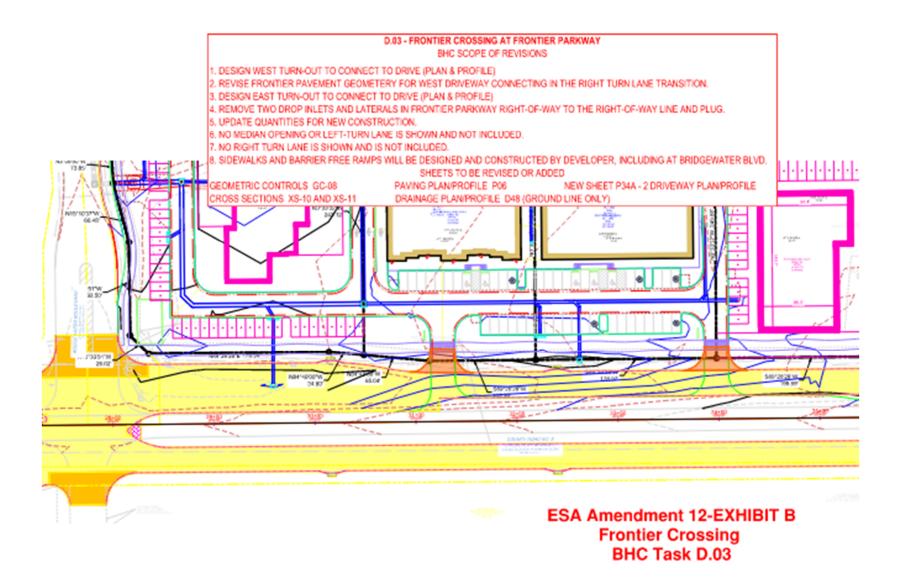
Task D.07 (Reserved for Frisco Tollway Partners, Prosper) Task D.08 Victory at Frontier (Prosper) Task D.09 7 - Eleven (Prosper)

Collin County, TX Frontier Parkway Paving and Drainage Improvements Engineering Service Agreement - Amendment No. 12

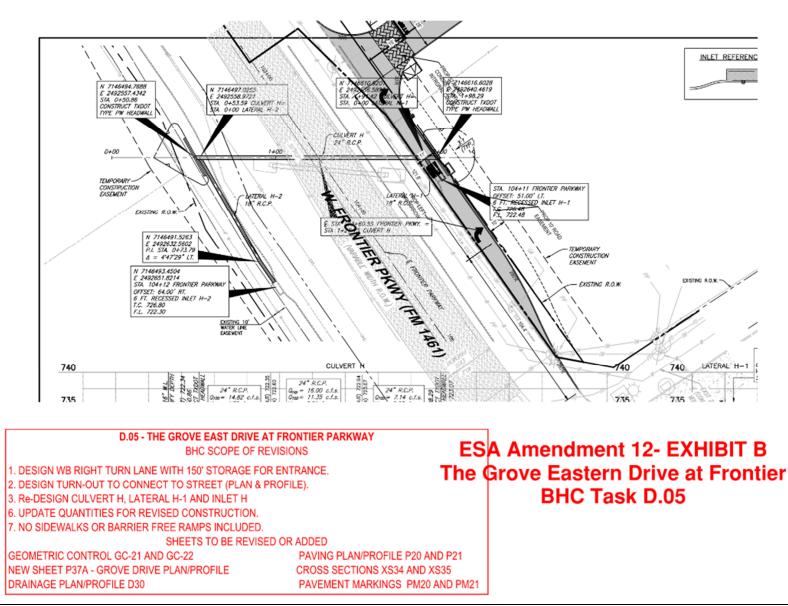
New Developer Initiated Driveways and Median Openings EXHIBIT A - PROJECT LOCTION MAP Nov. 2021 Mr. Clarence Daugherty, P.E. Frontier Parkway Engineering Services Agreement – Amendment No. 13 v12.10.2021 December 10, 2021 Page No. 7 of 11



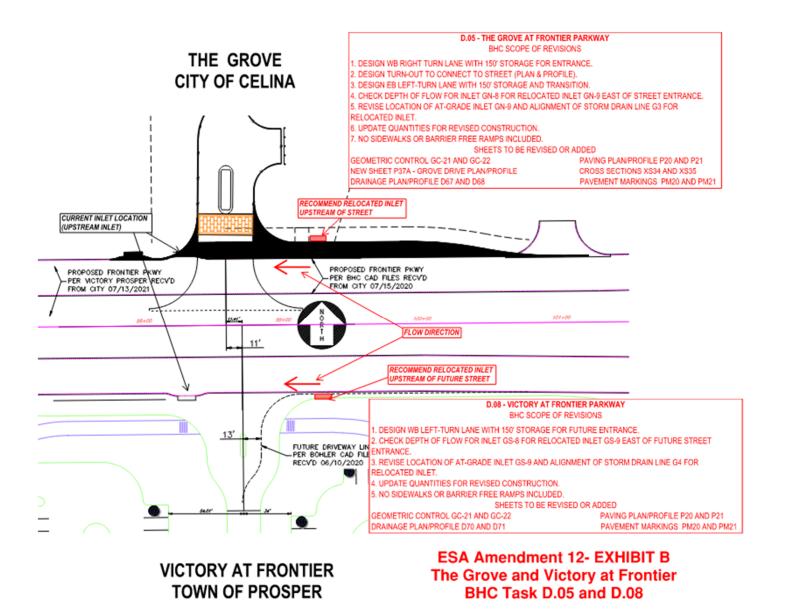
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