

DANNENBAUM ENGINEERING CORPORATION
LAREDO OFFICE:
8610 McPHERSON, SUITE 130 LAREDO, TEXAS 78040 (956)712-9817

May 27, 2016

Webb County Engineering Dept.
1620 Santa Ursula, 2nd Floor
Laredo, Texas 78040

Attn: Luis Perez-Garcia, P.E.
Webb County Engineer

Ref: Webb County Loop 20 Stimulus Project – IH 35 Plan Set Modifications

Sub: Revised - Supplement Work Authorization No. 11 to Work Authorization No.1

Dear Mr. Perez-Garcia,

Enclose please find revised documentation for the Revised Supplemental Work Authorization (SWA) No. 11 to Work Authorization No. 1 for the Loop 20 Project. There are two (2) partially executed Supplementals contained with this letter

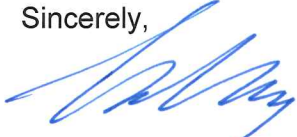
This Revised Supplemental Work Authorization (SWA) NO. 11 is in regards to the following additional services.

- 1. Update column design, details & standards to include 8" drain pipe.**
- 2. Design ITS ca Design ITS camera pole due to elevation of camera. Recommendation by Dannenbaum for redesign of TxDOT ITS camera pole standard.**
- 3. TxDOT previously requested 4 cameras poles to be installed on the project, as per TxDOT 3 cameras poles will be installed on this project.**
- 4. Modify removal layouts due to reconfiguration of McPherson and International overpasses. Additional layouts are needed to reconfigure the existing concrete safety barrier.**
- 5. Develop 3 ITS camera pole elevation layouts for detailing of camera poles and foundations**

The total for the Revised Supplemental No. 11 to WA No. 1 for IH 35 only is \$27,040.30 for changes to modify the plans.

Should you have any questions or require further information this letter or any of the enclosures being transmitted herewith please feel free to contact me at (956) 682-3677.

Sincerely,



Louis H. Jones, Jr., P.E.
Project Manager / Principal

Enclosure(s)

- Exhibit C-11 – Project Schedule (2 each)
- Exhibit D-2 – Contract for Engineering Services (2 each)
- Exhibit D-11 – Fee Estimates (2 each)

cc: Dannenbaum File No. 4571-01

Ms. Ana Duncan	Laredo District TP&P – TxDOT
Mr. Richard D. Seitz, P.E.	Dannenbaum Engineering Company – Laredo, LLC
Mr. Eric Davila, P.E.	Dannenbaum Engineering Company – Laredo, LLC
Mr. Nathaniel Olivarez, P.E.	Dannenbaum Engineering Company – Laredo, LLC
Mr. Gustavo Lopez, P.E.	Dannenbaum Engineering Company – Laredo, LLC
Mr. Anthony Garza	Dannenbaum Engineering Company – Laredo, LLC

ATTACHMENT D-2
REVISED-SUPPLEMENTAL WORK AUTHORIZATION NO. 11
TO WORK AUTHORIZATION NO. 1
CONTRACT FOR ENGINEERING SERVICES

THIS SUPPLEMENTAL WORK AUTHORIZATION is made pursuant to the terms and conditions of Article 5 of Contract No. Loop 20 hereinafter identified as the "Contract," entered into by and between the County of Webb (County), and Dannenbaum Engineering Corporation (the Engineer).

The following terms and conditions of Work Authorization No. 1 are hereby amended as follows:

PART I. The Engineer will perform the following additional services (in conformance to previous Supplemental WA No. 9, Exhibit B-9 – Services to be provided by the Engineer):

1. **Update column design, details & standards to include 8" drain pipe.**
2. **Design ITS ca Design ITS camera pole due to elevation of camera. Recommendation by Dannenbaum for redesign of TxDOT ITS camera pole standard.**
3. **TxDOT previously requested 4 cameras poles to be installed on the project, as per TxDOT 3 cameras poles will be installed on this project.**
4. **Modify removal layouts due to reconfiguration of McPherson and International overpasses. Additional layouts are needed to reconfigure the existing concrete safety barrier.**
5. **Develop 3 ITS camera pole elevation layouts for detailing of camera poles and foundations**

PART II. The maximum amount payable under this Work Authorization is increased to **\$3,614,790.32** and the method of payment is Lump Sum as set forth in Attachment E of the Contract. This amount is based upon fees set forth in Attachment E, Fee Schedule, of the Main Contract and the Engineer's estimated Work Authorization costs included in Exhibit D-9, Fee Schedule, which is attached and made a part of this Work Authorization.

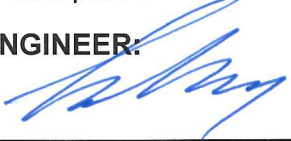
Original Work Authorization No. 1 Amount	=	\$	3,071,126.22	
Supplemental Work Authorization No. 1 Amount	=	\$	<53,596.01>	\$ 3,017,530.21
Supplemental Work Authorization No. 2 Amount	=	\$	0.00	\$ 3,017,530.21
Supplemental Work Authorization No. 3 Amount	=	\$	63,123.10	\$ 3,080,653.31
Supplemental Work Authorization No. 4 Amount	=	\$	79,281.79	\$ 3,159,935.10
Supplemental Work Authorization No. 5 Amount	=	\$	26,517.83	\$ 3,186,452.93
Supplemental Work Authorization No. 6 Amount	=	\$	0.00	\$ 3,186,452.93
Supplemental Work Authorization No. 7 Amount	=	\$	118,730.31	\$ 3,305,183.24
Supplemental Work Authorization No. 8 Amount	=	\$	56,541.06	\$ 3,361,724.30
Supplemental Work Authorization No. 9 Amount	=	\$	110,360.10	\$ 3,472,084.40
Supplemental Work Authorization No. 10 Amount	=	\$	115,665.62	\$ 3,587,750.02
Supplemental Work Authorization No. 11 Amount	=	\$	<u>27,040.30</u>	\$ <u>3,614,790.32</u>

This Supplemental Work Authorization shall become effective on the date of final execution of the parties hereto. All other terms and conditions of Work Authorization No. 1 and Supplemental Work Authorization Nos. 1 thru 10 not hereby amended are to remain in full force and effect.

ATTACHMENT D-2
REVISED-SUPPLEMENTAL WORK AUTHORIZATION NO. 11
TO WORK AUTHORIZATION NO. 1
CONTRACT FOR ENGINEERING SERVICES

IN WITNESS WHEREOF, this Supplemental Work Authorization is executed in duplicate counterparts and hereby accepted and acknowledged below.

THE ENGINEER:



(Signature)

Louis H. Jones, P.E.

(Printed Name)

Principal

(Title)

5/27/16

(Date)

THE COUNTY

(Signature)

(Printed Name)

(Title)

(Date)

LIST OF EXHIBITS

- | | |
|--------------|---|
| Exhibit C-10 | Work Schedule for Supplemental No. 11 to Work Authorization No.1 |
| Exhibit D-10 | Fee Estimates for Supplemental No. 11 to Work Authorization No. 1 |

**EXHIBIT C-11
WORK SCHEDULE
FOR ADDITIONAL SERVICES FOR
SUPPLEMENTAL WORK AUTHORIZATION NO. 11
TO WORK AUTHORIZATION NO. 1**

EXHIBIT C - 11
 SWA NO. 11 to WA NO 1 WORK SCHEDULE
 WEBB COUNTY, TX - LOOP 20 STIMULUS PROJECT
 SUPPLEMENTAL WORK AUTHORIZATION #10 TO WORK AUTHORIZATION #1
 Schematic, Environmental, ROW, and Topo Special Services and the Development of Three (3) PS&E Packages

Prepared 26 March 2013				2011							2012							2013							2014							2015							2016							2017							2018																																																																						
Start Date	End Date	Duration		J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Webb County, Tx - Loop 20 Stimulus Project																																																																																																																											
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ROW Acquisition Including Survey, Parcel Plats - For 3rd PS&E Package Only																																																																																																																											
Hydraulic/Hydrology Studies																																																																																																																											
TASK COMPLETED																																																																																																																											
PS&E - Design Package No. 1 (CSJ: 0086-14-065)																																																																																																																											
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Preparation of Final PS&E Documents	1-Apr-13	1-Mar-16	33 mo																																																																																																																								
TxDOT / FHWA Approval(s)	1-May-13	2-May-16	31 mo																																																																																																																								
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Preparation of Final PS&E Documents SWA No. 8 to WA No. 1	1-Jul-15	1-Dec-15	5 mo																																																																																																																								
TxDOT / FHWA Approval(s) SWA No. 9 to WA No. 1	1-Nov-15	1-Apr-16	5 mo																																																																																																																								
TxDOT / FHWA Approval(s) SWA No. 10 to WA No. 1	1-Feb-16	30-Apr-16	3 mo																																																																																																																								
TxDOT / FHWA Approval(s) SWA No. 11 to WA No. 1	30-Apr-16	1-Jun-16	2 mo																																																																																																																								
PS&E - Design Package No. 3 (ROW Required)																																																																																																																											
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FUTURE SUPPLEMENTAL WORK AS REQUESTED	1-Oct-13	31-Dec-18	63 mo																																																																																																																								

(CSJ: 0086-14-065) PS&E - Design Package No. 1 (No ROW Required)
 From beginning of Project from west end to just past entrance and exit ramps west of McPherson (From STA 421+90 to approx STA 492+00. (Includes IH 35 Bridges, approx 2885 LF) (Project length = 7,010 LF) (Roadway length = 4,125 LF)

(CSJ: 0086-14-057) PS&E - Design Package No. 2 (No ROW Required)
 From just past entrance and exit ramps west of McPherson to just past entrance and exit ramps, east of International Boulevard (From STA 422+00 to approx STA 554+00) (Includes McPherson and International Blvd. bridges, approx 600 LF) (Project length = 6,200 LF) (Roadway length = 5,600 LF)

(CSJ: 0086-14-066) PS&E - Design Package No. 2A (No ROW Required)
 From just past entrance and exit ramps west of McPherson to just past entrance and exit ramps, east of International Boulevard (From STA 422+00 to approx STA 554+00) (Includes McPherson and International Blvd. bridges, approx 600 LF) (Project length = 6,200 LF) (Roadway length = 5,600 LF)

PS&E - Design Package No. 3 (ROW Required)
 G:\1540\4571-01 LP-20 Webb Co\01 Proj Admin\01.03 Contracts\01.03.2 W. A.'s\03.2.1.11 WA #1 - SWA #11 (IS Col_PM)\03.2.1.9.1 DEC_Owner\3. Exhibits\e. Proj Sch\20160524_LP 20 EXH C-11

EXHIBIT D-11
REVISED FEE SCHEDULE
FOR ADDITIONAL SERVICES FOR
SUPPLEMENTAL NO. 11
WORK AUTHORIZATION NO. 1

DANNENBAUM ENGINEERING CORPORATION
WEBB COUNTY LOOP 20 STIMULUS PROJECT
SUPPLEMENTAL WORK AUTHORIZATION NO. 11 (SWA #11) TO WORK AUTHORIZATION NO. 1 (WA #1)

CONSISTING OF:

- (A) MODIFY COLUMN DESIGN & STANDARD
 - (B) DESIGN ITS CAMERA POLE
 - (C) SIZE COLUMN & FOUNDATION
 - (D) MODIFY EXISTING LAYOUTS AND DEVELOP ADDITIONAL LAYOUTS
- DANNENBAUM ENGINEERING CORPORATION**
FEE SUMMARY

BASIC SERVICES DESCRIPTION	Principal	PM	Senior Engineer-Civil	Senior Engineer-Bridge	Engineer	Senior Designer	CADD Operator/ Tech	Clerical	Total Labor Hrs.	Remarks	Cost Per Task
GENERAL											
SUMMARY OF BRIDGE				1	4		2		7		\$ 865.30
SUMMARY OF REMOVAL					2		4		6		\$ 598.02
SUMMARY OF SIGNING AND PVMIT MKRGS					1		3		4		\$ 382.47
SUB-TOTAL SHEETS - GENERAL				1	7	0	9	0	17		\$ 1,845.79
FC 160 - ROADWAY DETAILS											
SUB-TOTAL SHEETS - FC 160 - ROADWAY DETAILS	0	0	0	0	0	0	0	0	0		\$ 6,883.29
FC 170 - BRIDGES											
SUB-TOTAL SHEETS - FC 170 - BRIDGES	0	0	0	0	1	32	40	0	73		\$ 6,883.29
UPDATE COLUMN DESIGN & STANDARD TO INCLUDE 8" DRAIN PIPE				2	4	16	32		54		\$ 5,245.52
DESIGN ITS CAMERA POLE DUE TO ELEVATION OF CAMERA				10	40	20	5		75		\$ 9,234.10
SIZE COLUMNS & FOUNDATIONS FOR ITS CAMERAS ORIGINALLY 4 CAMERAS REVISED TO 3 CAMERAS				10	14	6	6		36		\$ 4,690.12
SUB-TOTAL SHEETS - FC 170 - BRIDGES	0	0	0	2	4	16	32	0	54		\$ 10,089.50
FC 182 - SIGNS, PVMIT MKRGS & DELINEATION											
DEVELOP ITS CAMERA ELEVATION LAYOUTS (3 SHEETS)					8	24	40		40		\$ 6,954.72
SUB-TOTAL SHEETS - FC 182 - SIGNS, PVMIT MKRGS & DELINEATION	0	0	0	2	0	0	0	0	0		\$ 6,954.72
TOTAL HOURS - DANNENBAUM BASIC SERVICES	\$ 227.02	\$ 210.20	\$ 154.56	\$ 170.02	\$ 132.09	\$ 106.65	\$ 83.46	\$ 64.92	220		
LABOR RATE PER HOUR	\$ -	\$ -	\$ -	\$ 2,380.28	\$ 5,679.87	\$ 7,785.45	\$ 8,888.49	\$ -	\$ 24,734.09	CHECK	
DIRECT LABOR COSTS	\$ -	\$ -	\$ -	\$ 2,380.28	\$ 5,679.87	\$ 7,785.45	\$ 8,888.49	\$ -	\$ 24,734.09		\$ 24,734.09
TOTAL COST	\$ -	\$ -	\$ -	\$ 2,380.28	\$ 5,679.87	\$ 7,785.45	\$ 8,888.49	\$ -	\$ 24,734.09		\$ 24,734.09
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	0.00%	0.00%	0.00%	9.62%	22.96%	31.48%	35.94%	0.00%	100.00%		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	0.00%	0.00%	0.00%	6.38%	19.59%	33.26%	48.52%	0.00%	100.00%		
DANNENBAUM (MODIFY PLANS - TOTAL ENGINEERING FEE)											\$ 25,773.30
REPRO -30 SHEETS X \$5.00 / SHEET (MYLAR)X 6 SETS											\$ -
REPRO -30 SHEETS X \$1.00 / SHEET (CHECK PLOTS & REVIEW SETS) X 6 SETS											\$ 180.00
AIRFARE - \$188 X 2 PERSON X 10 MEETINGS											\$ -
CAR RENTAL - \$85 / TRIP X 4 TRIP											\$ 340.00
PER DIEM - \$100 /NIGHT STAY X 2 PERSON X 1 NIGHT (\$75 hotel/\$25 meals)											\$ 100.00
DELIVERY SERVICES (OVERNIGHT EXPRESS) - \$25 /PACKAGE X 3 PACKAGES											\$ 75.00
MILEAGE 4 TRIP X 286 MI / TRIP @ \$0.50 per mile											\$ 572.00
DANNENBAUM (TOTAL - DIRECT EXPENSES FEE)											\$ 1,267.00
TOTAL ENGINEERING											\$ 27,040.30