

DANNENBAUM ENGINEERING CORPORATION

LAREDO OFFICE:

8610 McPHERSON, SUITE 130 LAREDO, TEXAS 78040 (956)712-9817 OFFICE (956)712-9857 FAX

October 21, 2016

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

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

*Ref: Loop 20 Main Lanes and Frontage Roads from Sta. 554+00 to Just North of Loop 20 / US 59
Overpass (TxDOT CSJ 0086-14-058)(Loop 20 Extension)*

Subj: Supplemental Work Authorization No. 2 to Work Authorization No. 2

Dear Mr. Perez Garcia,

The enclosed proposal is based on the original submittal provided by Dannenbaum Engineering Corporation on September 9, 2016 and revised based on comments provided by TxDOT on October 19, 2016 to modify the scope and fee and incorporate comments provided at the project coordination meeting held October 18, 2016. Please find attached herewith: three (3) partially executed copies of Supplemental Work Authorization No. 2 to Work Authorization No. 2 for Engineering Services for the above referenced project, each bearing an original signature. The Contract is being increased by **\$127,803.64**.

Please execute each of the three (3) copies of Supplemental Work Authorization No. 2 to Work Authorization No. 2 using blue ink. Thereafter, please retain one (1) original for your files, transmit one (1) original to TxDOT, and return one (1) original to our office for our records.

Provided below are the justifications for the man-hours for the disciplines of the work required to modify the schematic and the administration requirements:

DEC - FC – 110 Roadway Design Criteria

- Modify the bridge length to accommodate revised lane configuration – 4 intersections will be modify to include two turn lane and 2 through lanes. Frontage roads to include turnaround 2 turn lanes and 2 through lanes.
- Modify the retaining walls out 12 feet to allow for future widening – plan view location of retaining walls will be updated. Ramps will be evaluated to determine minimal construction in the future. Typical sections will be revised to reflect updated configuration. Cross section will be modify to reflect new typical sections.
- Reconfigure entrance and exit ramp south of Airport – ramps will be redesigned to reflect an exit ramp and entrance ramp south of Airport.
- Increase the Radius of the Mainlane and Frontage Road alignments – Mainlane alignment and South Bound Frontage Road alignment will be modified to include a larger raduis
- Change loop 20 to US 59 – All text will be updated to reflect US59.

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- Evaluate if exiting braided ramp can be switched to an entrance ramp – The Braided ramp configuration will be analyzed to improve weaving distance. Entrance ramp will braid over the exiting ramp.
- Perform Level of Service Analysis for Loop 20 Corridor – Traffic analysis will be perform for the Loop 20 corridor to determine the Level of Service Analysis for the roadway configurations.

DEC - FC – 120 Social, Economic & Environmental Studies & Public Involvement

- The proposed ROW taking in the vicinity of the Lake Casa Blanca International State Park and Casa Blanca Golf Course have been determined to be Section 6(f) Eligible. Due to Right-of-Way constraints in this area the taking of 6(f) property is unavoidable with the proposed design.
- Completion of the environmental documentation proposing the conversion of Section 6(f) property to non 6(f) use. This includes a separate NEPA document for the proposed conversion property.
- Identification of the proposed replacement property and the needed environmental documentation to propose a conversion request to TPWS and the NPS via the LWCF State Liaison Officer.

Should you have any questions or require further information regarding this matter, please contact me at your earliest convenience by telephone at (956) 682-3677 or by email at louis.jones@dannenbaum.com

Sincerely,


Louis H. Jones, P.E.
Principal

cc:	File No. 4688-01	Dannenbaum Engineering Corporation
	Richard D. Seitz, P.E.	Dannenbaum Engineering Corporation
	Nathaniel Olivarez, P.E.	Dannenbaum Engineering Corporation
	Anthony Garza	Dannenbaum Engineering Corporation
	Cynthia M. Luera	Dannenbaum Engineering Corporation

- Attachments:
1. Three (3) partially executed copies of Supplemental Work Authorization No. 2 to Work Authorization No. 2 for Engineering Services for the above referenced project, each bearing an original signature.
 2. Three copies of:
 - a. Attachment D Form D-2 Supplemental Work Authorization No. 2 to Work Authorization No. 2 (Dated 10-20-2016)
 - b. Exhibit B Revised "Services to be provided by the Engineer" (Revised 10-20-2016)
 - c. Exhibit C Maximum Amount Payable (Revised 10-20-2016)
 - d. Exhibit C-1 Maximum Amount Payable (Revised 10-20-2016)

ATTACHMENT D
D-2
SUPPLEMENTAL WORK AUTHORIZATION NO. 2
TO WORK AUTHORIZATION NO. 2
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. 2 are hereby amended as follows:

PART I. The Engineer will perform engineering design and/or detailing services as set forth in Exhibit B –Services to be Provided by the Engineer, for Loop 20 main lanes and frontage roads from Sta. 554+00 to Just North of Loop 20 / US 59 Overpass (TxDOT CSJ 0086-14-058) situated in Webb County, Texas in accordance with the project description attached hereto and made a part of this Work Authorization, more specifically described as follows:

A. For services as detailed in Supplemental Work Authorization No. 2 to Work Authorization No. 2.

PART II. The maximum amount payable under this Work Authorization is increasing to **\$750,072.48** from **\$622,268.84** 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, Summary of Fees of Work Authorization No. 2, previously executed.

Original Work Authorization No. 2 Amount	=	\$	567,911.98	
Supplemental Work Authorization No. 1 Amount	=	\$	54,356.86	
Supplemental Work Authorization No. 2 Amount	=	\$	127,803.64	\$ 750,072.48

The attached Exhibit D, Detailed Fee Schedule from October 2, 2013 through August 1, 2020, shall replace original Exhibit D in WA No. 2.

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. 2 are to remain in full force and effect.

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

THE ENGINEER

THE COUNTY

 (Signature)

 (Signature)

Louis H. Jones, P.E.
 (Printed Name)

 (Printed Name)

Principal
 (Title)

 (Title)

10-21-16
 (Date)

 (Date)

LIST OF EXHIBITS

Exhibit C Fee Schedule summary

**SUPPLEMENTAL WORK AUTHORIZATION NO. 2
TO
WORK AUTHORIZATION NO. 2**

EXHIBIT B

SERVICES TO BE PROVIDED BY THE ENGINEER

(REVISED 10/20/2016)

EXHIBIT B
(Revised 10-20-2016)
Services to be Provided by the Engineer

CSJ: 0086-14-058
Highway: SL 20
County: Webb County
Project No.: CBI 2013 (881)
Limits: Loop 20 from Sta. 554+00 to Just North of Loop 20 / US 59 Overpass
Project Length: 7.0 Miles
Area Office: Laredo Area Office

Proposed Improvements

The proposed Loop 20 from Sta. 554+00 to Just North of Loop 20 / US 59 Overpass will consist of ~~six mainlanes with shoulders and two lane frontage roads on each side~~ eight (8) lane main lanes and no frontage roads from US 59 Hwy to Airport Drive and six (6) lane main lanes and three (3) lane frontage roads from Airport Drive to International Road for the advanced project planning Phase I and Phase II (Schematic / Environmental / Right of Way), and the Phase III – PS&E phase, may be performed at a later date, with Amendment to the Contract, which will consist of ~~designing four mainlanes with shoulders and two lane frontage road each side~~ eight (8) lane main lanes and no frontage roads from US 59 Hwy to Airport Drive and six (6) lane main lanes and three (3) lane frontage roads from Airport Drive to International Road with overpasses over Shiloh Road; Del Mar Road; University Drive; Jacaman Road and Laredo International Airport Road, including corresponding underground storm sewers; cross culverts; signage and traffic signals at frontage roads.

Sidewalks no both sides of the proposed Loop 20 Freeway from the Loop 20 / US 59 overpass to the Loop 20/ International Boulevard overpass.

Hike and Bike Trail along one side of the proposed Loop 20 Freeway from the Loop 20 / US 59 overpass to the Loop 20/ International Boulevard overpass.

PHASE I- ADVANCED PROJECT DEVELOPMENT SERVICES

I. FEASIBILITY STUDIES

II. ROUTE AND DESIGN STUDIES

Task: Roadway Design Criteria (FC: 110)

The Engineer shall revise the roadway design criteria to include sidewalks on both sides of Loop 20.

The Engineer shall revise the roadway design criteria to include small signs. The signs are to be designed in accordance with TxDOT "Sign Crew Field Book" and AASHTO "Guide for the Development of Bicycle Facilities (2012)

Supplemental Work Authorization No. 2 to Work Authorization No. 2

The Engineer shall revise the roadway design criteria to include a hike and bike trail on one side of Loop 20. Hike and bike trails is to be designed in accordance with AASHTO "Guide for the Development of Bicycle Facilities (2012). Details are to be added illustrating sidewalk and hike and bike crossings of driveways.

Task: Design Schematic (FC: 110)

- b. Prepare a schematic plan and profile drawing (1"=50'H, 1" = 10'V) on a continuous color plot paper roll. The Schematic will include hike and bike trail, small signs, the ultimate edge of pavement, proposed hike and bike trail profile, existing utility crossings, proposed culvert crossings, proposed bridges, proposed R.O.W., existing cross streets, proposed driveways, proposed outfall channels, proposed channelized intersections, ultimate interchange configurations, signing, and pavement markings.

Task: Value Engineering Studies (FC 110)

- a. TxDOT will be responsible for preparing; holding and documenting Value Engineering Study with Engineer's Staff attending one(1) day.

Supplemental Work Authorization No. 1 to Work Authorization No. 2

- Ramp reconfiguration – 3 ramp - Reverse order of ramps (off-on instead of on-off).
- Frontage road turning lane – Make a dual left (shared right lane left and straight) at various intersection. Also, add deceleration right turn lanes.
- Extend multiuse bike path into park – Will not be included, it is to be included in a future work authorization if required.
- Realign park entrance – 3 alternatives will be provided on the project.
- New Bridge over Chacon Creek – Minimal work will be required to update the schematic to include the frontage road bridge over Chacon Creek.
- Wetland for detention/treatment facility – Will not be included, it is to be included in a future work authorization if required.
- Storm water detention between main lane and frontage road – Will not be included, it is to be included in a future work authorization if required.
- Concrete pavement for Main lanes – Estimate Only
- Concrete pavement for Frontage roads – Estimate Only.
- Reduce/Eliminate small strip acquisitions – Will modify with no charge..

Supplemental Work Authorization No. 2 to Work Authorization No. 2

- Modify the bridge length to accommodate revised lane configuration – 4 intersections will be modified to include two turn lane and 2 through lanes. Frontage roads to include turnaround 2 turn lanes and 2 through lanes.
- Modify the retaining walls out 12 feet to allow for future widening – plan view location of retaining walls will be updated. Ramps will be evaluated to determine minimal construction in the future. Typical sections will be revised to reflect updated configuration. Cross section will be modified to reflect new typical sections.

Supplemental Work Authorization No. 2 to Work Authorization No. 2

- Reconfigure entrance and exit ramp south of Airport – ramps will be redesigned to reflect an exit ramp and entrance ramp south of Airport.
- Increase the Radius of the Mainlane and Frontage Road alignments – Mainlane alignment and South Bound Frontage Road alignment will be modified to include a larger radius
- Change loop 20 to US 59 – All text will be updated to reflect US59.
- Evaluate if exiting braided ramp can be switched to an entrance ramp – The Braided ramp configuration will be analyzed to improve weaving distance. Entrance ramp will braid over the exiting ramp.
- Perform Level of Service Analysis for Loop 20 Corridor – Traffic analysis will be performed for the Loop 20 corridor to determine the Level of Service Analysis for the roadway configurations.

Task: Detention Pond Analysis (FC: 161)

Supplemental Work Authorization No. 2 to Work Authorization No. 2

- Will not be included, it is to be included in a future work authorization if required

III. SOCIAL, ECONOMICAL, AND PUBLIC INVOLVEMENT

Task: Environmental - (Section 6(f) Coordination) (FC: 120) Supplemental Work Authorization No. 2 to Work Authorization No. 2

- Completion of the environmental documentation proposing the conversion of Section 6(f) property to non 6(f) use.
- Identification of the proposed replacement property and the needed environmental documentation to propose a conversion request to TPWS and the NPS via the LWCF State Liaison Officer.
- Prepare a separate NEPA document for the proposed Section 6(f) conversion property.
- Coordinate with local officials and TxDOT to complete the 6(f) process.
- The Engineer shall obtain ownership data for all impacted property owners and County shall obtain right of entry from all property owners prior to commencing any work for 6(f) related environmental services.

DELIVERABLES

D. DELIVERABLES

1. Section 6(f) NEPA document for the parkland replacement property. Deliverables shall contain all data acquired during the environmental service. All deliverables shall be written to be understood by the public and must be in accordance with the State's Online Environmental Manual, current Standards of Uniformity (SOU), current guidelines, policies and procedures.
2. Two (2) copies of the updated Schematic.
3. Electronic files shall be furnished to the State on a CD or DVD Recordable media

SCOPE AND FEE SCHEDULE ASSUMPTIONS

F. ASSUMPTIONS:

8. Assumes 2 coordination meetings with the client / TxDOT to address comments prior to the public meeting.
9. Assumes Right of Entry to be handled by the Client.
10. Assumes a 6-month duration for Section 6(f) coordination.
11. Assumes Client will provide replacement property location and provide survey and appraisal for 6(f) replacement property.

EXHIBIT C

MAXIMUM AMOUNT PAYABLE

EXHIBIT C-1

**DETAILED FEE SCHEDULE
FOR
SUPPLEMENTAL WORK AUTHORIZATION NO. 2 TO WORK AUTHORIZATION NO. 2
(DANNENBAUM ENGINEERING CORPORATION)**

EXHIBIT C-1

<p align="center">DETAILED FEE SCHEDULE FOR SUPPLEMENTAL WORK AUTHORIZATION NO. 1 TO WORK AUTHORIZATION NO. 2 LOOP 20 STIMULUS PROJECT (CSJ: 0086-14-058) ADVANCED PROJECT DEVELOPMENT SERVICES <i>Respond to TDDOT comments / design changes and develop 600 Environmental Documents</i> <i>for</i> Extension of Loop 20 from Approximately STA 854+00 to Just North of the Loop 20 / US 59 Overpass.</p>												
<p align="center">DANNENBAUM ENGINEERING CORPORATION</p>												
TASK DESCRIPTION	Principal or Project Manager	Senior Engineer (Civil)	Senior Engineer (Bridge)	Engineer	Senior Designer	CAD Operator CADD Tech. I	Clerical	Total Labor Hours	Task Cost			
BASIC SERVICES (DANNENBAUM)												
FC 110 - ROUTE AND DESIGN STUDIES	1	0	2	0	8	16	0	43	\$ 4,876.03			
MODIFY THE BRIDGE LENGTH TO ACCOMMODATE REVISED LANE CONFIGURATION	1	0	1	0	8	20	0	70	\$ 7,680.56			
MODIFY THE RETAINING WALLS OUT BE 12 FT TO ALLOW FOR FUTURE WIDENING	1	0	1	0	4	8	0	30	\$ 3,288.92			
RECONFIGURE ENTRANCE & EXIT RAMP SOUTH OF AIRPORT	1	0	1	0	12	20	0	53	\$ 6,273.87			
INCREASE THE RADIUS OF THE MAINLANE AND FRONTAGE ROAD ALIGNMENTS	1	0	0	0	0	8	0	9	\$ 996.45			
CHANGE LOOP 20 TO US 59	1	0	0	0	8	0	0	10	\$ 2,463.27			
EVALUATE IF EXITING BRAIDED RAMP CAN BE SWITCH TO AN ENTRANCE RAMP	3	6	16	0	32	40	16	161	\$ 19,544.06			
LEVEL OF SERVICE ANALYSIS FOR LOOP 20 CORRIDOR FROM US 59 TO INTERNATIONAL	3	6	22	0	72	112	16	389	\$ 44,504.07			
SUB-TOTAL - FC-110 - ROUTE AND DESIGN STUDIES	9	6	22	0	72	112	16	389	\$ 44,504.07			
TOTAL BASIC SERVICES (MANHOURS) (DANNENBAUM)	9	6	22	0	72	112	16	389	\$ 44,504.07			
HOURS SUB-TOTALS	9	6	22	0	72	112	16	389				
LABOR RATE PER HOUR	\$ 327.93	\$ 268.07	\$ 225.50	\$ 132.09	\$ 106.64	\$ 83.44	\$ 64.80					
DIRECT LABOR COSTS	\$2,951.37	\$1,416.42	\$4,961.00	\$0.00	\$0,510.48	\$11,943.68	\$ 1,038.24	CHECK				
TOTAL BASIC SERVICES FEE (DANNENBAUM)	2,951.37	1,416.42	4,961.00	0.00	5,510.48	11,943.68	1,038.24	44,504.07				
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	6.63%	3.18%	11.15%	0.00%	21.37%	26.84%	2.33%	100.00%				
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	2.31%	1.54%	5.68%	0.00%	18.61%	28.79%	4.11%	100.00%				
DIRECT EXPENSES:												
Mileage (2 RT)	\$	0.52	miles	748					\$ 388.96			
Hotel	\$	82.00	each	2					\$ 164.00			
Per Diem	\$	51.00	day	2					\$ 102.00			
TOTAL DIRECT EXPENSES									\$ 654.96			
TOTAL BASIC SERVICES (ROADWAY AND DRAINAGE + DANNENBAUM DIRECT EXPENSES)									\$ 45,159.03			

EXHIBIT C-1

DETAILED FEE SCHEDULE FOR SUPPLEMENTAL WORK AUTHORIZATION NO. 2 TO WORK AUTHORIZATION NO. 2
 LOOP 20 STIMULUS PROJECT (CSJ: 0086-14-058)
 ADVANCED PROJECT DEVELOPMENT SERVICES
 Respond to TxDOT comments / design changes and develop 6(f) Environmental Documents
 for
 Extension of Loop 20 from Approximately STA 554+00 to Just North of the Loop 20 / US 89 Overpass.
 Dannenbaum Engineering Corporation

TASK DESCRIPTION	Project Engineer (W)	Project Engineer (V)	Civil Engineer	Env. Scientist	Scientist (Haz. Material Review)	Eng. Tech / GIS (CADD Technician)	Administration/ Clerical	Total LABOR HOURS	Task Cost
III. SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT									
FC 120 - SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT									
Project Coordination - 6(f)									
Consult with TPWD to determine the Official with Jurisdiction			2	4		16			\$ 2,905.56
Coordinate with Webb County to Identify Replacement Property	1			4			2		\$ 711.85
Develop Location Map for Subject Property and Replacement Property	2		2	8					\$ 1,977.28
Develop a Site Plan, Location, and Boundary Map	2		2	8					\$ 1,977.28
Prepare a Cover Letter addressing the Conversion				8					\$ 2,785.48
Develop the 6(f) Environmental Assessment (includes TxDOT Coordination for Each Task)	2	1	2	8					\$ 1,824.91
Socio-Economics				6					\$ 854.22
Natural Characteristics				10					\$ 1,628.64
Geological / Soils				8					\$ 1,344.90
Air Quality				2					\$ 284.74
Water Quality				12					\$ 1,914.38
Transportation				8					\$ 1,344.90
Biology / Tree / Unique Wildlife				40					\$ 5,900.74
Other Env. Resources (tree, etc)				24	8				\$ 4,192.30
Document Mitigation for Unavoidable Adverse Impacts				8					\$ 3,622.82
Describe Alternatives				16					\$ 2,412.90
Develop a Public Notice for 6(f)				8					\$ 1,336.96
Coordinate a signed Amendment to the 6(f) Agreement and report to TPWD				8					\$ 2,618.84
Coordinate a Certificate of Land Dedication and report to TPWD				16					\$ 2,412.90
Coordinate a Recorded Deed and report to TPWD				8					\$ 1,336.96
Coordinate the placement of Signage at the Replacement Property and report to TPWD				8					\$ 1,336.96
Prepare 6(f) Documentation for the Public Hearing				8					\$ 1,336.96
Attend the 6(f) Public Hearing - (by Webb County)				12					\$ 2,277.92
Project management				24					\$ 6,047.03
Attend Coordination Meeting with Webb County (2x + travel)	6	12		24			1		\$ 6,047.03
Attend Coordination Meeting with Webb County & TxDOT (2x + travel)	6	12		24			1		\$ 6,047.03
Attend Coordination Meeting with Webb County, TxDOT, & TPWD (2x + travel)	6	12		24			1		\$ 6,047.03
Review and respond to TxDOT Comments (2x)	4			16					\$ 4,465.73
Review and respond to TPWD Comments (2x)	4			16					\$ 4,465.73
TOTAL FC 120 - SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT	33	63	8	385	8	88	19,00	585,00	\$ 79,120.93
LABOR RATE PER HOUR								(585.00)	
DIRECT LABOR COSTS	\$ 842.37	\$ 1,423.37	\$ 134.42	\$ 142.37	\$ 142.37	\$ 102.97	\$ 67.49		
TOTAL	\$ 4,688.21	\$ 8,565.31	\$ 1,075.36	\$ 54,954.82	\$ 1,198.96	\$ 7,001.96	\$ 1,282.31	\$ 79,120.93	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	5.94%	11.34%	1.37%	69.46%	1.44%	8.85%	1.62%	100.00%	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	5.64%	10.77%	1.37%	65.95%	1.37%	11.62%	3.25%	100.00%	
CHECK									\$ 79,120.93

EXHIBIT C-1

DETAILED FEE SCHEDULE FOR SUPPLEMENTAL WORK AUTHORIZATION NO. 2 TO WORK AUTHORIZATION NO. 2

LOOP 20 STIMULUS PROJECT (CSJ: 0086-14-058)

ADVANCED PROJECT DEVELOPMENT SERVICES

Respond to TxDOT comments / design changes and develop 6(f) Environmental Documents

for Extension of Loop 20 from Approximately STA 554+00 to Just North of the Loop 20 / US 59 Overpass.

Dannenbaum Engineering Corporation

SPECIAL SERVICES (FC 120) ENVIRONMENTAL SERVICES

TASK DESCRIPTION	Project Engineer (N)	Project Engineer (W)	Civil Engineer	Env. Scientist	Scientist (Haz. Material Review)	Eng. Tech / GIS (CADD Technician)	Administration/ Clerical	Total LABOR HOURS	Task Cost
DIRECT EXPENSES:									
Mileage (8 RT)	Rate	Unit	Amount						\$ 1,447.68
Air Travel	\$ 0.52	Mile	2,784						\$ -
Hotel	\$ 600.00	Each	8						\$ 655.00
Per Diem	\$ 82.00	Each							\$ -
Rental Car	\$ 51.00	Day							\$ -
Fuel for Rental Car	\$ 65.00	Day							\$ -
Overnight Carrier Cost (Letter Size)	\$ 3.75	Gallons	10						\$ 220.00
Hazardous Materials Report	\$ 22.00	Each	1						\$ 1,420.00
TOTAL DIRECT EXPENSES	\$ 1,200.00								\$ 3,225.68
TOTAL ENVIRONMENTAL SERVICES									\$ 82,544.61

SPECIAL PROVISIONS:

Environmental Services to be Performed as summarized in the summary of hours.	
Services not provided include NONE or NOT INCLUDED. Dannenbaum will develop tasks as described in the summary of hours and in this section	
Obtain right of entry to perform environmental services Webb County	
Develop letters or other materials for seeking right of entry Webb County	
Complete and maintain mailing list Webb County	
Develop public involvement plan Webb County with DEC Assistance	
Public Involvement activities: Webb County	
Provide an appraisal of the subject property and proposed replacement, property	
Prepare a 4(f) evaluation for TxDOT	
Webb County will conduct the 6(f) Public Hearing with assistance from Dannenbaum	
Prepare Location Map	
Prepare Boundary Map	
Cover Letter shall include: Acres to be converted/replaced, Description of the public outdoor recreation uses existing or proposed for the site, Surrounding land uses N, S, E, W (residential, commercial, agricultural/vegetation - species, dominant plants, vegetation, Topography, Natural water features on site, Soils, Wildlife habitat, Existing site development (extent of impervious cover, structures, etc.), Utilities available on site, Overhead utility lines on site, Any history of contamination, Any rights-of-way or easements, Located in a flood plain or wetland, Map delineating the floodplain/wetland area, Current property ownership, Identification of valuable or vulnerable natural resources, ecological processes, or rare, threatened, or endangered species of vegetation or wildlife. This documentation will be prepared for both the converted and replacement properties.	
Webb County shall prepare the Copy of the Recorded Details	
TxDOT will provide the completed Loop 20 Environmental Assessment	
TxDOT will provide the completed Historical and Archeological surveys for use in the 6(f) coordination - for converted property only	
TxDOT will complete the 4(f) coordination	
Public contact	
Identify and evaluate the potential for impacts to disabled and elderly individuals and populations	
Perform indirect and cumulative impact studies	
Perform Environmental Justice analysis	
Identify considerations impacting pedestrians and bicycles	
Perform air quality analysis to include a qualitative MSAI analysis	
Cultural Resources It is assumed the completed Cultural Resources documentation will be completed by TxDOT for	
Public Involvement:	
The consultant will prepare PI material for Webb County.	
Air Quality:	
Natural Resources Data collection to consist of one site visit for 3 days to collect data (includes meetings with TxDOT to obtain copies of Feasibility Study, EA, CE, DCIS, review TxDOT project file.). It is assumed that the prime consultant will provide a list of adjacent property owners, obtain and provide RDE for all property only. This scope of work does not include USACE 404 permitting. It is assumed that permitting under the Nationwide Permit 14 will be completed by TxDOT. This scope of work does not include presence absence surveys for threatened and endangered species at the request of resource agency consultations. This scope of work does not include a hydrologic model or letter of map revision (LOMR) from the Federal Emergency Management Agency. This scope of work does not include a pre-hearing bird survey prior to construction. This scope of work does not include the development of a Storm Water Pollution Prevention Plan (SWPPP)	
Literature Review and Secondary Data Collection Data collection to consist of one site visit for 3 days to collect data (includes meetings with TxDOT to obtain copies of Feasibility Study, EA, CE, DCIS, review TxDOT project file.). It is assumed that the prime consultant will provide a list of adjacent property owners, obtain and provide RDE for all property only. This scope of work does not include USACE 404 permitting. It is assumed that permitting under the Nationwide Permit 14 will be completed by TxDOT. This scope of work does not include presence absence surveys for threatened and endangered species at the request of resource agency consultations. This scope of work does not include a hydrologic model or letter of map revision (LOMR) from the Federal Emergency Management Agency. This scope of work does not include a pre-hearing bird survey prior to construction. This scope of work does not include the development of a Storm Water Pollution Prevention Plan (SWPPP)	
Management and Coordination	

