



**CITY OF WHARTON
FINANCE COMMITTEE MEETING**

**Monday, July 13, 2020
5:30 PM**


CITY HALL

**NOTICE OF
CITY OF WHARTON
FINANCE COMMITTEE MEETING**

Notice is hereby given that a Finance Committee Meeting will be held on Monday, July 13, 2020 at 5:30 PM at the Wharton City Hall, 120 East Caney Street, Wharton, Texas, at which time the following subjects will be discussed to-wit:

SEE ATTACHED AGENDA

Dated this 9th day of July 2020.


By: 
Andres Garza, Jr., City Manager

I, the undersigned authority, do hereby certify that the above Notice of Meeting of the Finance Committee Meeting is a true and correct copy of said Notice and that I posted a true and correct copy of said Notice on the bulletin board, at City Hall of said City or Town in Wharton, Texas, a place convenient and readily accessible to the general public at all times, and said Notice was posted on July 9, 2020, at 4:30 p.m. and remained so posted continuously for at least 72 hours preceding the scheduled time of said Meeting.

The Wharton City Hall is wheelchair accessible. Access to the building and special parking is available at the primary entrance. Persons with disabilities, who plan to attend this meeting and who may need auxiliary aids or services such as interpreters for persons who are deaf or hearing impaired, readers, or large print, are requested to contact the City Secretary's Office at (979) 532-4811 Ext. 225 or by FAX (979) 532-0181 at least two (2) days prior to the meeting date. BRAILLE IS NOT AVAILABLE.

Dated this 9th day of July 2020.

CITY OF WHARTON

By: 
Paula Favors
City Secretary



A G E N D A
CITY OF WHARTON
Finance Committee Meeting
Monday, July 13, 2020
City Hall - 5:30 PM

Pursuant to V.T.C.A. Gov. Code Section 551.001 et seq., the City of Wharton City Council of Wharton, Texas will hold a meeting by Teleconference on Monday, July 13, 2020 at 5:30p.m. at City Hall, 120 E. Caney St., Wharton, Texas 77488.

Join the meeting:

<https://zoom.us/j/99644908611?pwd=ekErWUJtamN0aTVVUXN4RDlVvk1qUT09>

To dial in by phone:

[+1 346 248 7799](tel:+13462487799) US (Houston)

Meeting ID: 996 4490 8611

Password: 223355

If you wish to provide comments during the Public Comments portion of the meeting, submit an email before 3:00 p.m. Monday, July 13, 2020 to pfavors@cityofwharton.com and provide your name, address, telephone number and the agenda item on which you wish to speak.

City Staff will send an email providing instructions for commenting during public participation via videoconference directly to those registered to comment. The same rules apply to telephone comments as to in-person comments. They must be no more than 3 minutes in length.

Call to Order.

Roll Call.

Public Comments.

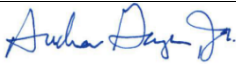
Review & Consider:

1. Minutes from the meeting held June 22, 2020.
2. Update on COVID-19 and Coronavirus Aid, Relief, and Economic Security Act (CARES Act).
3. Resolution: A resolution of the Wharton City Council approving the Interlocal Agreement with the Texas Municipal League Health Benefits Pool (TML Health Benefits Pool) for medical, long-term disability, life, accidental death & dismemberment, for flexible spending account and health reimbursement account plans for city employees for the October 1, 2020 to September 30, 2021 Fiscal Year and authorizing the Mayor of the City of Wharton to execute all documents related to said agreements.
4. Resolution: A resolution of the Wharton City Council awarding a contract for the Civic Center/EMS Roof Project and authorizing the Mayor of the City of Wharton to execute all documents related to said contract.
5. Resolution: A resolution of the Wharton City Council amending the agreement with IDC Inc. For engineering services for the FM 102 Relocation or FM 1301 to Hwy. 59 Expansion and Overpass Project and authorizing the Mayor of the City of Wharton to execute the agreement.

Adjournment.

City of Wharton
120 E. Caney Street
Wharton, TX 77488

FINANCE COMMITTEE

| | | | |
|---|-----------|------------------------------|--|
| Meeting Date: | 7/13/2020 | Agenda Item: | Minutes from the meeting held June 22, 2020. |
| Attached are a copy of the draft minutes from the meeting held June 22, 2020. | | | |
| City Manager: Andres Garza, Jr. | | Date: Thursday, July 9, 2020 | |
| Approval:  | | | |
| Mayor: Tim Barker | | | |

MINUTES
OF
CITY OF WHARTON
FINANCE COMMITTEE MEETING
120 EAST CANEY STREET
WHARTON, TEXAS 77488
Monday, June 22, 2020 –5:30 p.m.

City Manager Andres Garza, Jr. declared a meeting of the City Council Finance Committee duly open for the transaction of business at 5:38 p.m.

Committee Members present were: Councilmember Russell Machann, Councilmember Alice Heard and Mayor Tim Barker.

Committee Member absent was: None.

City Council Member present was: Councilmember Don Mueller, Councilmember Terry Freese and Councilmember Clifford Jackson.

Staff members present were: City Manager Andres Garza, Jr., Assistant to the City Manager Brandi Jimenez, Finance Director Joan Anandel and Community Development Director Gwyn Teves.

Staff member absent was: None.

Visitors: Mr. Chad Odom-Wharton Economic Development Corporation Executive Director and Ms. Natalie Frels-The County Gin.

Public Comments. There were no public comments.

The first item on the agenda was to review and consider minutes from the meeting held May 26, 2020. Councilmember Russell Machann made a motion to approve the minutes as presented. Councilmember Alice Heard seconded the motion. All voted in favor.

The second item on the agenda was to review and consider Resolution: A resolution of the Wharton City Council approving auditing services with Harrison Waldrop & Uherek, LLP for the City of Wharton for a period of three years and authorizing the Mayor of the City of Wharton to execute all documents related to agreements on behalf of the City of Wharton. Finance Director Joan Anandel presented a copy of a draft resolution approving an agreement with Harrison Waldrop & Uherek, LLP. for auditing services for the City of Wharton. She also stated that the agreement would be for a period of three years. After some discussion, Councilmember Alice Heard made a motion to recommend to the City Council the approval of auditing services with Harrison Waldrop & Uherek, LLP. Mayor Barker seconded. All voted in favor.

The third item on the agenda was to review and consider Resolution: A resolution of the Wharton City Council supporting Wharton County's Application to the Texas Water Development Board for the study of the Waterhole Creek-Caney Creek Basin and committing funds over a two-year period and authorizing the Mayor of the City of Wharton to execute all documents related to said application. Community Development Director Gwyn Teves stated to the Committee that Wharton County had submitted an application to the Texas Water Development Board (TWDB),

for a study of the Waterhole Creek – Caney Creek Basin for a Flood Protection Planning Study and had requested a letter of support and a commitment of \$18,000 from the City. She stated that it would take over a period of two years to complete the study if the grant application is approved. She stated that the study would involve a complete H&H study of the entire watershed from the City of Wharton down to the Gulf Intracoastal Waterway. She stated that this study would include new field survey of all bridges and culverts, new hydrologic modeling, new unsteady hydraulic modeling, flood reduction/conveyance improvement alternative analysis, regional detention location analysis and development of an overall drainage master plan for all of Lower Caney Creek. She stated that this study would be jointly funded by Wharton Co., Matagorda Co., TWDB (FIF Grant program), and possibly Matagorda Co. DD1. After some discussion, Councilmember Russell Machann made a motion to recommend to the City Council the approval of the submission of the application to the Texas Water Development Board for the study of the Waterhole Creek – Caney Creek Basin for a Flood Protection Planning Study. Councilmember Tim Barker seconded the motion. All voted in favor.

The fourth item on the agenda was to review and consider Resolution: A resolution of the Wharton City Council authorizing the request to apply to the EDA Cares Act Recovery Assistance Program as part of the FY 2020 Public Works and Economic Adjustment Assistance in support of the expansion of Prime Eco Fluids and authorizing the Mayor of the City of Wharton to execute all documents related to said submission. Community Development Director Gwyn Teves stated to the Committee that on May 7, 2020, Secretary Wilbur Ross made EDA’s CARES Act Recovery Assistance funding available with the announcement that EDA had published an Addendum to its FY 2020 Public Works and Economic Adjustment Assistance Notice of Funding Opportunity. She stated that the EDA intended to deploy its CARES Act funding as quickly, effectively, and efficiently as possible, and in a manner that met community’s needs. She stated that the City Staff was requesting to submit applications to the EDA Cares Act Recovery Assistance Program as part of the FY 2020 Public Works and Economic Adjustment Assistance in support of the expansion of Prime Eco Group, Inc., located at 2933 Tx-60, Wharton, Texas. After some discussion, Councilmember Russell Machann made a motion to recommend to the City Council the submission of an application to the EDA Cares Act Recovery Assistance Program as part of the FY 2020 Public Works and Economic Adjustment Assistance in support of the expansion of Prime Eco Fluids. Councilmember Alice Heard seconded the motion. All voted in favor.

The fifth item on the agenda was to review and consider Resolution: A resolution of the Wharton City Council authorizing and providing for the incurrence of indebtedness for the purpose of providing for the cost of designing, land acquisition and construction of the FM 1301 and Railroad Overpass Project through the Texas Department of Transportation State infrastructure Bank Loan Program and authorizing the Mayor of the City of Wharton to execute all documents related to said submission. Community Development Director Gwyn Teves stated to the Committee that on February 10, 2020, the City Council approved the submission of an application to the State Infrastructure Bank Transportation Loan Program through the Texas Department of Transportation for the FM 1301 and Railroad Overpass Project. She stated that since that time the City Staff had met with James Gilley, Financial Advisor, Tom Sage, Bound Counsel, and a representative from TxDOT to discuss financing options for this project. She stated that it is the recommendation that the project be financed through the use of Certificates of Obligation for a period of 30 years. She stated that through this option the City would be able to:

1. Incur no interest for years 1-3.
2. Capitalize interest for years 4-5.
3. 2% Principal payment only for years 1-5.
4. Principal and interest for years 6-30.

After some discussion, Councilmember Russell Machann made a motion to recommend to the City Council the approval of providing for the incurrence of indebtedness for the purpose of providing for the cost of designing, land acquisition and construction of the FM 1301 and Railroad Overpass Project through the Texas Department of Transportation State infrastructure Bank Loan Program. Councilmember Alice Heard seconded the motion. All voted in favor.

The sixth item on the agenda was to review and consider Wharton Economic Development Corporation Fiscal Year 2020-2021 Annual Budget. The Committee reviewed the Wharton Economic Development Budget. After some discussion, Councilmember Alice Heard made a motion to recommend to the City Council the approval of the Wharton Economic Development Corporation Fiscal Year 2020-2021 Annual Budget. Councilmember Russell Machann seconded the motion. All voted in favor.

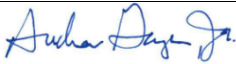
The seventh item on the agenda was adjournment. Councilmember Alice Heard moved to adjourn. Councilmember Russell Machann seconded the motion. All voted in favor.

The meeting adjourned at 6:50 p.m.

Andres Garza, Jr., City Manager


City of Wharton
120 E. Caney Street
Wharton, TX 77488

CITY COUNCIL COMMUNICATION

| | | | |
|--|-----------|------------------------------|--|
| Meeting Date: | 7/13/2020 | Agenda Item: | Update on COVID-19 and Coronavirus Aid, Relief, and Economic Security Act (CARES Act). |
| <p>The City Staff will update the Council regarding COVID-19 and the Coronavirus Aid, Relief, and Economic Security Act (CARES Act).</p> | | | |
| City Manager: Andres Garza, Jr. | | Date: Thursday, July 9, 2020 | |
| Approval:  | | | |
| Mayor: Tim Barker | | | |

City of Wharton
 120 E. Caney Street
 Wharton, TX 77488

FINANCE COMMITTEE

| | | | |
|---|-----------|------------------------------|--|
| Meeting Date: | 7/13/2020 | Agenda Item: | Resolution: A resolution of the Wharton City Council approving the Interlocal Agreement with the Texas Municipal League Health Benefits Pool (TML Health Benefits Pool) for medical, long-term disability, life, accidental death & dismemberment, for flexible spending account and health reimbursement account plans for city employees for the October 1, 2020 to September 30, 2021 Fiscal Year and authorizing the Mayor of the City of Wharton to execute all documents related to said agreements. |
| <p>Attached you will find a memo from City Secretary Paula Favors regarding the City of Wharton TML-Multistate IEBP Health re-rate options for the 2020-2021 year. The recommendation from the City Staff is to consider TML Health Benefits Pool for the employee’s health insurance plan and contribute the previous year’s amount of \$1,250.00 to a Health Reimbursement Agreement (HRA) to offset the deductible or other medical expenses.</p> <p>The City Council Finance Committee will meet on July 13, 2020 to provide a recommendation to the City Council.</p> <p>Ms. Favors will be present to answer any questions.</p> | | | |
| City Manager: Andres Garza, Jr. | | Date: Thursday, July 9, 2020 | |
| Approval:  | | | |
| Mayor: Tim Barker | | | |



City of Wharton

Item-3.

120 E. Caney Street ° Wharton, TX 77488
 Phone (979) 532-2491° Fax (979) 532-0181

MEMORANDUM

Date: July 8, 2020

From: Paula Favors, City Secretary
 To: Andres Garza, Jr., City Manager
 CC: Joan Anandel, Finance Director
 Subject: Insurance Coverage for 2020-2021 Options

The City of Wharton received the Rerate Options for the 2020-2021 year, for the following:

| TML- HEALTH BENEFITS POOL | 2019-2020 Current | 2020-2021 | Difference |
|--|--|---|--|
| Employee | \$ 548.60 | \$ 576.04 | 5% increase |
| Spouse (Paid by Employee) | \$ 565.06 | \$ 593.32 | 5% increase |
| Child (Paid by Employee) | \$ 416.94 | \$ 437.80 | 5% increase |
| Family (Paid by Employee) | \$ 1069.76 | \$ 1123.26 | 5% decrease |
| In-Network Deductible \$3,000 Out of pocket \$3,000 Total Out of pocket \$6,000 | \$30 Office Visit \$45 Specialist Visit \$75 Urgent Care \$0 Tela Health Copay *No ER Copay* | Same: In-Network Deductible \$3,000 Out of pocket \$3,000 Total Out of pocket \$6,000 | Same: \$30 Office Visit \$45 Specialist Visit \$75 Urgent Care \$0 Tela Health Copay *No ER Copay* |
| Life \$25,000 | \$0.194 per \$1,000 | No Change | |
| AD&D | \$0.040 per \$1,000 | No Change | |
| Long Term Disability | \$0.040 per \$100 | No Change | |

It is my recommendation that the City's consider approving TML-Health Benefits Pool for the 2020-2021 health insurance plan and contribute the previous year's amount of \$1250 to a Health Reimbursement Agreement (HRA) to offset the deductible or other medical expenses. The City Staff is looking into ways to assist employees with their medical expenses. The hopes are this would allow the employee some flexibility to help assist them with future medical expenses. If the City would continue to enter into a HRA along with the current Flexible Spending Account (FSA) Section 125 with TML-HEALTH BENEFITS POOL employees will be able to continue to access the benefits of both accounts.

If you have any questions, please contact me at (979) 532-2491 Ext. 225. Thank you.



TML Health Renewal Notice and Benefit Verification Form

Item-3.

Wharton

Original

Plan Year 2020-2021 (12 Months)

Rates are subject to change if there is any legislation passed during the plan year affecting benefits. Supplemental benefits cannot be accessed without accessing the TML Health Medical Benefit Plan. This renewal notice contains proprietary and confidential information of TML Health.

Medical

Employer Group Medical Plan

| Plan | Benefit Percent | In Net Ded | Out Net Ded | In Net OOP* | Office Visit | Rates | Current | New |
|-------------------|-----------------|------------|-------------|-------------|--------------|------------------|------------|------------|
| Copay-3K-5K-Mac A | 80/50 | \$3000 | \$6000 | \$5000 | \$30 | EE Only: | \$548.60 | \$576.04 |
| | | | | | | EE + Spouse: | \$1,113.66 | \$1,169.36 |
| | | | | | | EE + Child(ren): | \$965.54 | \$1,013.84 |
| | | | | | | EE + Family: | \$1,618.36 | \$1,699.30 |

*In Network Deductible applies towards In Network OOP.

Monthly Employer Contribution Amounts

TML Health requires 60% employer contribution toward employee medical – Minimum employer contribution is \$345.62

| Employer Contribution for Active Employees | Employee | | Spouse | | Child | | Family | |
|--|----------|-----------|--------|-----------|--------|-----------|--------|-----------|
| | Amount | % of Rate | Amount | % of Rate | Amount | % of Rate | Amount | % of Rate |
| | \$576.04 | or 100 % | \$0.00 | or 0 % | \$0.00 | or 0 % | \$0.00 | or 0 % |

Dental Plan

No Dental Coverage

Vision Plan

No Vision Coverage

Basic Life and AD&D: Plan 10 (\$25,000)

| | Current Rate | New Rate |
|-------|--------------|----------|
| Life: | \$0.194 | \$0.194 |
| AD&D: | \$0.040 | \$0.040 |

Additional Employee Life and AD&D

| Age of Employee | Current Rate per \$1000 | New Rate per \$1000 |
|-----------------|-------------------------|---------------------|
| Under 30 | 0.061 | 0.061 |
| 30 - 34 | 0.069 | 0.069 |
| 35 - 39 | 0.100 | 0.100 |
| 40 - 44 | 0.130 | 0.130 |
| 45 - 49 | 0.198 | 0.198 |
| 50 - 54 | 0.332 | 0.332 |
| 55 - 59 | 0.595 | 0.595 |
| 60 - 64 | 0.913 | 0.913 |
| 65 - 69 | 1.513 | 1.513 |
| 70 and over | 2.431 | 2.431 |

| | |
|---------------------------|---------------------------|
| <u>Current Rate</u> | <u>New Rate</u> |
| \$1.60 per dependent unit | \$1.60 per dependent unit |

Voluntary AD&D

No Voluntary AD&D Coverage

LTD

| | |
|---------------------|-----------------|
| <u>Current Rate</u> | <u>New Rate</u> |
| \$0.350 | \$0.350 |

Benefit: 60% Maximum Benefit: \$5000 Benefit Period: To Age 65 Elimination Period: 90 days

STD

No STD Coverage

Pre-65 Retiree Medical

No Pre-65 Retiree Medical Coverage

| Employer Contribution for Pre-65 Retirees | <u>Employee</u> | | <u>Spouse</u> | | <u>Child</u> | | <u>Family</u> | |
|---|-----------------|-----------|---------------|-----------|--------------|-----------|---------------|-----------|
| | Amount | % of Rate | Amount | % of Rate | Amount | % of Rate | Amount | % of Rate |
| | \$ 0 . 00 | or 0 % | \$ 0 . 00 | or 0 % | \$ 0 . 00 | or 0 % | \$ 0 . 00 | or 0 % |

Pre-65 Retiree Dental

No Pre-65 Retiree Dental Coverage

Pre-65 Retiree Vision

No Pre-65 Retiree Vision Coverage

Basic & Additional Retiree Life

No Basic & Additional Retiree Life Coverage

Retiree Dependent Life

No Retiree Dependent Life Coverage

Continuation of Coverage (Cobra)

Yes

Benefit Waiting Period

None

Flex, HRA, HSA & RRA

Item-3.

Flex Admin

HRA Admin

HSA Admin

RRA Admin

Yes

Yes

No

Yes

If employer accesses Flex and/or HRA, HSA or RRA, only one charge of \$3.70 per participant per month will be incurred.

| HRA Administration | | | |
|--|--|---|-----------------------------------|
| Employer making monthly deposit | <input checked="" type="checkbox"/> Y or N | Monthly deposit amount | \$ 104.17 |
| Employer Prefunding | Y or <input checked="" type="checkbox"/> N | Prefunded amount | \$ 0.00 |
| If employer prefunds, new employees during the plan year get prorated amount | Y or N | Will prorated amount be divisible by 12 or some other amount? | Div by 12 or Variable or Other \$ |
| Prefund does not apply to new employees | Y or N | | |
| Defined contribution (variable monthly amounts) | Y or N | Monthly defined contribution amount | \$ |

| RRA Administration | | | |
|---|--|------------------------|----|
| Employer making monthly deposit | Y or <input checked="" type="checkbox"/> N | Monthly deposit amount | \$ |
| Employer making 1x prefunded deposit | Y or <input checked="" type="checkbox"/> N | Prefunded amount | \$ |
| Employer will NOT make any deposits; only remaining HRA will rollover | <input checked="" type="checkbox"/> Y or N | | |

Signature Section

The undersigned employer hereby acknowledges that for an employee to receive coverage, TML Health must receive enrollment information within thirty-one (31) days of the commencement of employment regardless of whether the Employer has a waiting or a waiting and orientation period. If an employee is not enrolled within thirty-one (31) days of hire, the employee cannot be added to the Plan until the next Open Enrollment period or a qualifying event occurs.

746002557

July 13, 2020

Tax ID Number

Authorized Signature

Date

Andres Garza, Jr.

City Manager

Printed Name

Title

The entity named on this Rerate and Benefit Verification Form desires large claim information as specified in Article 21.49-15 of the Insurance Code in Section 2.(2), to be for individual claims that reach or exceed \$35,000 during the plan year. This information is considered confidential for purposes of Chapter 552 of the Local Government Code.

The rates are based on census information five months prior to plan year. If the census changes by more than 10%, TML Health reserves the right to revise rates due to census change and underwriting impact.

**CITY OF WHARTON
RESOLUTION NO. 2020-XX**

A RESOLUTION OF THE WHARTON CITY COUNCIL APPROVING THE INTERLOCAL AGREEMENT WITH THE TEXAS MUNICIPAL LEAGUE HEALTH BENEFITS POOL (TML HEALTH BENEFITS POOL) FOR MEDICAL, LONGTERM DISABILITY, LIFE, ACCIDENTAL DEATH & DISMEMBERMENT, FOR FLEXIBLE SPENDING ACCOUNT AND HEALTH REIMBURSEMENT ACCOUNT PLANS FOR CITY EMPLOYEES FOR THE OCTOBER 1, 2020 TO SEPTEMBER 30, 2021 FISCAL YEAR AND AUTHORIZING THE MAYOR OF THE CITY OF WHARTON TO EXECUTE ALL DOCUMENTS RELATED TO SAID AGREEMENTS.

WHEREAS, The City of Wharton received the renewal rate for medical, long-term disability, life, accidental death & dismemberment for city employees; and,

WHEREAS, The City of Wharton medical plan with Texas Municipal League Health Benefits Pool would be renewed with an 5% increase; and,

WHEREAS, The City of Wharton would provide to each full time employee a \$1,250 yearly contribution to the employee health reimbursement account (HRA) administered by the TML Health Benefits Pool; and,

WHEREAS, The Mayor of the City of Wharton has executed on behalf of the City said agreement.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WHARTON, TEXAS as follows:

Section I. That the Wharton City Council hereby approves the interlocal agreement with the Texas Municipal League Health Benefits Pool for medical, long-term disability, life and accidental death & dismemberment coverage signed by the Mayor.

Section II. That Wharton City Council hereby approves providing to each full-time employee a \$1,250 yearly contribution to the employee health reimbursement account (HRA) administered by the TML Health Benefits Pool.

Section III. That the Mayor of the City of Wharton execution of all documents relating to the aforementioned agreements are hereby approved.

Section IV. That this resolution shall become effective immediately upon its passage.

Passed, Approved, and Adopted this 13th day of July 2020.

CITY OF WHARTON, TEXAS

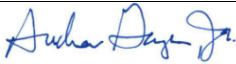
By: _____
TIM BARKER
Mayor

ATTEST:

PAULA FAVORS
City Secretary

City of Wharton
 120 E. Caney Street
 Wharton, TX 77488

FINANCE COMMITTEE

| | | | |
|--|-----------|------------------------------|--|
| Meeting Date: | 7/13/2020 | Agenda Item: | Resolution: A resolution of the Wharton City Council awarding a contract for the Civic Center/EMS Roof Project and authorizing the Mayor of the City of Wharton to execute all documents related to said contract. |
| <p>The City staff has obtained bids for the Civic Center/EMS Roof Project. All of the vendors are a member of the TIPS Cooperative Program and have been provided the same scope of work. The funds to pay for the project have been allocated in the 2019 Bond Funds.</p> <p>Attached are the bids.</p> <p>Finance Director Joan Andel will be present to answer any questions.</p> | | | |
| City Manager: Andres Garza, Jr. | | Date: Thursday, July 9, 2020 | |
| Approval:  | | | |
| Mayor: Tim Barker | | | |



City of Wharton

120 E. Caney Street ° Wharton, TX
77488

Phone (979) 532-2491° Fax (979) 532-
0181

MEMORANDUM

To: Mr. Andres Garza, Jr.
City Manager

From: Joan Andel

Date: July 8, 2020

Re: Civic Center/EMS roof

The City staff has obtained bids for the roof at the Civic Center and EMS. The bids are attached for your review. All of the vendors are a member of the TIPS Cooperative Program and have been provided the same scope of work.

The funds to pay for the roof have been allocated in the 2019 Bond Funds. It is my recommendation to accept the bid from Jaco.

Please add this to the Finance Committee on July 13, 2020 and if approved then to City Council for approval on the same date.

Please contact me for any questions.

Thank you.

**CITY OF WHARTON
RESOLUTION NO. 2020-XX**

A RESOLUTION OF THE WHARTON CITY COUNCIL AWARDING A CONTRACT FOR THE CIVIC CENTER/EMS ROOF PROJECT AND AUTHORIZING THE MAYOR OF THE CITY OF WHARTON TO EXECUTE ALL DOCUMENTS RELATED TO SAID CONTRACT.

WHEREAS, Bids were received for the Civic Center/EMS Roof Project; and,

WHEREAS, _____ was deemed the best lowest qualified bidder in the amount of \$ _____; and,

WHEREAS, The Wharton City Council wishes to award a contract to _____ for the Civic Center/EMS Roof Project in the amount of \$ _____; and,

WHEREAS, The City of Wharton and _____ wish to be bound by the conditions as set forth in the agreement; and,

WHEREAS, The Wharton City Council wishes to authorize the Mayor of the City of Wharton to execute the agreement.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WHARTON, TEXAS as follows:

Section I. The Wharton City Council hereby authorizes the Mayor to execute a contract for the Civic Center/EMS Roof Project to _____ in the amount of \$ _____.

Section II. The City of Wharton and _____ are hereby bound by the conditions as set forth in the agreement.

Section III. That this resolution shall become effective immediately upon its passage.

Passed, Approved, and Adopted this 13th day of July 2020.

CITY OF WHARTON, TEXAS

By: _____
TIM BARKER
Mayor


ATTEST:

PAULA FAVORS
City Secretary

| City of Wharton | | EXECUTIVE SUMMARY | | | Date: July 6 2020 RESULTS | | |
|--|--|-------------------|--------|----------------------|---------------------------|----------------|--|
| CIVIC CENTER / EMS & HEAD START EXP JINT | | | | | | | |
| BUILDING | ROOF AREA | REFERENCE: | S.F. | COST: | | | |
| | | | | Contractor #01 | Contractor #02 | Contractor #03 | |
| | | | | JACO | PRIME | MERIT | |
| Civic Center Building | | | | NOT RECEIVED 7.06.20 | | | |
| | Roof Area #1 | Main / Low Roof | | \$ 187,200.00 | \$ 188,591.64 | \$ 1.00 | |
| | Roof Area #2 | Main High Roof | | \$ 77,900.00 | \$ 78,531.20 | \$ - | |
| | Roof Area #3 | Front Low Roof | | \$ 9,550.00 | \$ 9,750.00 | \$ - | |
| | Roof Area #4 | Low Roof | | \$ 8,470.00 | \$ 9,831.00 | \$ - | |
| | Roof Area #5 | Low roof / Canopy | | \$ 2,750.00 | \$ 3,606.40 | \$ - | |
| EMS Building | | | | | | | |
| | Roof Area #1 | Main Roof Area | | \$ 72,600.00 | \$ 72,687.36 | \$ - | |
| | Roof Area #2 | Secondary Roof | | \$ 11,900.00 | \$ 11,702.40 | \$ - | |
| Head Start Building | | | | | | | |
| | Area Divider | Expansion Joint | | \$ 1,250.00 | included | \$ - | |
| SUB-TOTAL BASE PROPOSAL | | | | \$ 371,620.00 | \$ 374,700.00 | \$ 1.00 | |
| PAYMENT & PERFORMANCE BOND | | | | \$ 7,432.40 | \$ 11,241.00 | \$ 0.02 | |
| TIPS FEE | | | | \$ 7,432.40 | included | \$ 0.02 | |
| PERMIT FEE | | | | EXCLUDED | EXCLUDED | EXCLUDE | |
| Tax | | | | EXCLUDED | EXCLUDED | EXCLUDE | |
| TOTAL | | | | \$ 386,484.80 | \$ 385,941.00 | \$ 1.04 | |
| ALTERNATE(S): | | | | | | | |
| ALTERNATE #01 | 60 MILL BAREBACK / MECHANICALLY ATTACHED | | DEDUCT | \$ 74,200.00 | \$ 74,500.00 | | |
| ALTERNATE #02 | STAINLESS FLASHING / SALVEDGE | | DEDUCT | No Credit | No Credit | | |
| TOTAL (after deduct) | | | | | | | |
| TOTAL WITH DEDUCT | | | | \$ 312,284.80 | \$ 311,441.00 | | |
| UNIT PRICES: | | | | | | | |
| METAL DECKING | | | S.F. | \$ 4.42 | \$ 4.50 | | |
| ISO INSULATION | 2.5" | | S.F. | \$ 8.47 | \$ 8.50 | | |
| TREATED WOOD | 1"X8" | | L.F. | \$ 3.96 | \$ 4.00 | | |
| WOOD DECKING | 4'X8' PLYWOOD | | S.F. | \$ 3.60 | \$ 3.75 | | |
| PROPOSAL SHALL BE VALID FOR 90 DAYS | | | | | | | |
| CONTRACTOR EXCLUSIONS: | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| CONTRACTOR SIGNATURE: | | | | | | | |
| Authorised Signature: | | | | | | | |
| Print name: | | | | | | | |
| Title: | | | | | | | |
| Office Phone: | | | | | | | |
| Cell Phone: | | | | | | | |
| Email: | | | | | | | |

City of Wharton
 120 E. Caney Street
 Wharton, TX 77488

FINANCE COMMITTEE

| | | | |
|---|-----------|------------------------------|--|
| Meeting Date: | 7/13/2020 | Agenda Item: | Resolution: A resolution of the Wharton City Council amending the agreement with IDC Inc. For engineering services for the FM 102 Relocation or FM 1301 to Hwy. 59 Expansion and Overpass Project and authorizing the Mayor of the City of Wharton to execute the agreement. |
| <p>On April 25, 2011, the Wharton City Council entered into an agreement with IDC Inc. for engineering services for the FM 102 Relocation or FM 1301 to Hwy. 59 Expansion and Overpass Project. The City staff has been working with TxDOT, SMC Consulting, Inc. and IDCUS on moving forward with the project. The project requires additional services be provided by IDCUS.</p> <p>Attached is the amendment and additional cost information to continue with the services and contract for these services.</p> <p>Community Development Director Gwyn Teves will be present to answer any questions.</p> | | | |
| City Manager: Andres Garza, Jr. | | Date: Thursday, July 9, 2020 | |
| Approval:  | | | |
| Mayor: Tim Barker | | | |



City of Wharton

120 E. Caney • Wharton, TX 77488
Phone (979) 532-2491 • Fax (979) 532-0181

MEMORANDUM

DATE: July 7, 2020
FROM: Gwyneth Teves, Community Development Director
TO: Honorable Mayor and City Council
SUBJECT: FM 1301 Extension Contract Amendment w/ IDCUS

On April 25, 2011, the Wharton City Council entered into an agreement with IDC Inc. for engineering services for the FM 102 Relocation or FM 1301 to Hwy. 59 Expansion and Overpass Project.

The City staff has been working with TxDOT, SMC Consulting, Inc. and IDCUS on moving forward with the project. The project requires additional services be provided by IDCUS.

Attached is the amendment and additional cost information to continue with the services and contract for these services.

If you should have any questions, please contact me at 979-532-2491 ext. 238. Thank You.

SERVICES TO BE PROVIDED BY THE ENGINEER

For
FM1301 – Supplement
PS&E Revision from SH 60 to Railroad Overpass &
New alignment PS&E from Railroad Overpass to US 59
Wharton County

FM1301 / US 59 EXTENSIONS:

The scope of services for this project will modify and expand the PS&E limits of the FM 1301 project from the Railroad Overpass to US 59 (Approx. 7,500 ft. or 1.42 miles) and revise and update the PS&E Plans from SH 60 to Railroad Overpass to bring the design to the latest TxDOT standards.

The PS&E Design Phase shall include the professional engineering services for the preparation of all deliverables including PS&E in accordance with the applicable/current requirements of TxDOT’s standard drawings, standard specifications or previously approved special provisions and/or special specifications.

BASIC SERVICES

1. Review & Update Alignment, Modify & update PS&E 90% Percent Package from SH 60 to Railroad Overpass Prepare and submit to TxDOT 90%, and Final 100% Package.
2. Prepare and submit the new Alignment PS&E Package from Railroad Overpass to US 59 for 30%, 60%, 90%, and Final 100%:

FC 102(110) – ROUTE AND DESIGN STUDIES

A. Data Collection and Field Reconnaissance. The Engineer shall collect, review and evaluate data described below. The Engineer shall notify City of Wharton in writing whenever the Engineer finds disagreement with the information or documents:

1. Data, if available, including “as-built plans”, existing schematics, right-of-way maps, Subsurface Utility Engineering (SUE) mapping, existing cross sections, existing planimetric mapping, existing channel and drainage easement data, existing traffic counts, accident data, Bridge Inspection records, current unit bid price information, current special provisions, special specifications, and standard drawings. The Engineer shall conduct field reconnaissance and collect data including a photographic record (to be maintained in Engineer’s office) of notable existing features.

2. Documents for existing and proposed development along FM 1301 / US 59 from local municipalities and local ordinances related to project development.
 - a) Utility plans and documents from appropriate municipalities and agencies.
 - b) Readily available flood plain information and studies from the Federal Emergency Management Agency (FEMA), the U. S. Army Corps of Engineers (USACE), local municipalities and other governmental agencies in addition to that provided by the City of Wharton.

B. Review and Update Design Criteria. The Engineer shall utilize the roadway design criteria developed by the TxDOT for design speed, functional classification, roadway class and any other set criteria as set forth in *PS&E Preparation Manual, Roadway Design Manual, Bridge Design Manual, Hydraulic Design Manual*, and other deemed necessary City of Wharton / TxDOT approved manuals.

C. Revise Schematic. The Engineer shall develop a new alignment schematic from the RR Overpass to US 59 and modify the vertical Alignment from SH 60 to Railroad overpass. The updated alignment shall accommodate the latest TXDOT Design criteria.

D. Design Concept Conference. The Engineer shall prepare documents and conduct a design concept conference for the project before proceeding to the final design phase.

E. Geotechnical

See attached for HVJ Scope.

The Engineer shall:

1. Administer Geotechnical Contract
2. Review Geotechnical Report

FC 120 ENVIRONMENTAL STUDIES & PUBLIC INVOLVEMENT

A. Environmental. The Engineer shall provide design documents necessary for the preparation of the Environmental Assessment.

B. Public Meeting. The Engineer shall provide assistance (exhibits, attendance, etc.) for a public meeting associated with schematic approval work.

C. EPIC. The Engineer shall prepare the EPIC sheets for inclusion in the final plans.

D. Administer Environmental Contract.

FC 130 RIGHT-OF-WAY

- A. Right-of-Way Acquisition.** The Engineer shall coordinate with TxDOT/City of Wharton on the Right- of-Way acquisition task by others to provide necessary Cadd files or other documents necessary. The Engineer shall not provide ROW Acquisition Exhibits which already not part of PS&E Submittal Packages.
- B. Utility Locations and Research.** The Engineer shall
 - 1. Identify and coordinate with the CITY OF WHARTON / MUD / LID/ other Public and Private Utilities to determine the location of each existing and proposed utility and develop Utility Conflict Matrix with recommendations for possible relocations. Attend possible meetings with the various utility companies to discuss potential conflicts (if required).
 - 2. Prepare the Utility Exhibit.
 - a) Show the location and ownership of utilities within the limits of the proposed work in plan views on plan and profile sheets, storm sewer, culvert and other structural layout sheets. Utilities will also be shown in profile views where a proposed element crosses an existing or proposed utility or is within a critical lateral proximity to a utility.
 - b) Develop the Utility Letters and Exhibits consisting of Title Sheet, Existing and Proposed Typical Sections, Roadway Plan and Profile Sheets, Drainage Plan and Profile sheets, Bridge layouts, Retaining Wall Layouts, and the Utility Layouts.
 - c) Utilizing Best Practice Management, design new construction to minimize or eliminate utility conflicts.
 - d) Maintain utility conflicts list current throughout the design process.
 - 3. The Engineer shall coordinate utility relocation, develop and or review PS&E for all utilities included in the construction contract.
 - 4. Utility Certification/Special Provisions: The Utility Engineer shall submit upon request from the State, a Utility Certification or a Special Provisions report. The Utility Certification or Special Provisions report will certify that all utilities are clear for highway construction. However, if the utility, adjustments are not complete prior to highway project letting, a Special Provision shall be required outlining all outstanding utility conflicts and their effects on highway construction. Furthermore, a Utility Clearance schedule, signed by the utility owner shall be provided with the certification as noted above. The formats for the Certification and the Clearance schedule will be provided by the State.

FC 145 (164) – PROJECT MANAGEMENT AND ADMINISTRATION

The Engineer, shall be responsible for directing and coordinating all activities associated with the project to comply with State policies and procedures, and to deliver that work on time.

Project Management and Coordination. The Engineer shall coordinate all sub-consultant activity to include quality of and consistency of plans and administration of the invoices and monthly progress reports. The Engineer shall coordinate with necessary local entities.

The Engineer shall:

1. Prepare monthly written progress reports and invoice.
2. Develop and maintain a detailed project schedule to track project conformance to Exhibit C, Work Schedule, for this work authorization. The schedule submittals shall be hard copy and electronic format.
3. Meet on a scheduled basis with the State to review project progress. Anticipated meetings: In-Person Meetings with TxDOT, WA Kickoff meeting, Utility Kickoff meeting, Monthly Status meetings, etc.
4. Prepare, distribute, and file both written and electronic correspondence.
5. Prepare and distribute meeting minutes, and prepare sign-in sheets, exhibits, etc. as requested by the State for meetings.
6. Document phone calls and conference calls as required during the project to coordinate the work for various team members.
7. The Engineer shall attend the following meetings in person.

TxDOT Yoakum District – Assume 2 meetings (including kickoff meeting)

TxDOT Wharton Area Office, City of Wharton & Utility Companies– Assume 8 meetings; 1 meeting per month.

FC 160(150) FIELD SURVEYING

See Attached Scope for Huitt-Zollars, Inc. (HZI)

The Engineer shall

- A. Administer Surveyor Contract
- B. Coordinate Work of Surveyor
- C. Review DTM and Survey Data

- D. Review ROW Maps, Field Notes & Descriptions
- E. Coordinate and Review Parcel Plats & Easements

FC 160(160) ROADWAY DESIGN CONTROLS

A. Geometric Design

1. Prepare existing and proposed typical sections of all roadway elements based on the approved schematic.
2. Provide GEOPAK/OpenRoads project files including the following:
 - a) Prepare DTM, corridor files, templates and super elevations in OpenRoads.
 - b) Manage Design Criteria through Geopak
 - c) Design horizontal alignments and vertical profiles in Geopak and Import to OpenRoads.
 - d) A log of files with a brief description of each file.
 - e) Annotate cross sections and run earthwork quantities in OpenRoads. Prepare the cross sections (1" = 10' H, 1" = 2' V) and earth work quantities report. The ENGINEER will provide three (3) sets of plotted cross-sections at 100' intervals showing the original terrain, finished grade, pavement structure, centerline, slope rates, ditches and ROW. Cross sections will be prepared using the TxDOT Yoakum District's format and scale on 11"x17" sheets. Text files of the design cross section output lists shall be provided for the original terrain and the design cross sections.
3. Prepare removal layout sheets.
4. Prepare roadway plan and profile sheets (1" = 50' H, 1" = 5' V) showing horizontal and vertical geometric designs, which will be based on the approved schematic. The roadside ditches and right-of-way elevations will be shown. Refine the horizontal and vertical alignments as needed for the detailed PS&E phase design.
5. Prepare Acceleration / Deceleration Lanes plan on US 59 Frontage Roads from FM 1301 with coordination with Adjacent US 59 Consultants.
6. Prepare horizontal alignment data sheets (1" = 200' H) showing proposed FM 1301 horizontal alignments, curve data, and the benchmark information.
7. Prepare Geopak Alignment Data Sheet.

8. Prepare intersection layouts with proposed top of pavement elevations for the intersections of US 59 and SH 60.
9. Prepare Quantity Summary tables to include removal, roadway, earthwork, and driveway.
10. Select TxDOT and Yoakum District Standards to be included in the plan set.

FC 160(161) DRAINAGE DESIGN

A. Drainage Report

1. Collect available data including GIS data from USGS and TNRIS, and site survey data, construction plans, & previous reports/studies from the City of Wharton, Wharton County and TxDOT. Perform a field visit to assess existing drainage conditions and outfalls. Review updated Levee District Report and findings.
2. Schedule and hold coordination meetings with City and TxDOT and other agencies to determine their requirements and to identify and issues.
3. Coordinate with City of Wharton and/or Wharton County FEMA Floodplain Administrator.
4. Determine the existing and proposed drainage area boundaries based on the available data.
5. Develop 10, 25, 50, and 100-year frequency flows using the new Atlas 14 guidelines for all drainage areas using standard TxDOT and City hydrologic methodology.
6. Perform a hydraulic impact analysis, quantifying the increases in peak flow rates between existing and proposed conditions created by the project.
7. Develop a conceptual 100-year sheet flow analysis that identified the existing conditions sheet flow patterns, and the effect of the proposed roadway improvements to the 100-year sheet flow. All efforts will be made to ensure that no adverse impacts will occur as a result of the proposed roadway improvements.
8. Determine FEMA 100-year floodplain impact mitigation volume requirements and provide recommendations for fill mitigation.
9. Prepare preliminary drainage layouts for the proposed drainage systems.
10. Prepare a drainage report summarizing the methodologies and findings of the hydrologic and hydraulic investigation. Study and analysis will be in accordance

with City of Wharton, Wharton County and TxDOT policies and practices. The report will be signed and sealed by a professional engineer. The results will be summarized and presented to the City, the LCRA and State for review and approval. The report will include exhibits, tables, and drainage calculations.

B. Drainage for PS&E

1. Prepare overall drainage area maps and detailed drainage area layout sheets.
2. Prepare storm sewer lateral sheets.
3. Prepare layouts for detention ponds and associated outlet structures, and details.
4. Prepare cross culvert plan and profile sheets (1" = 40' H, 1" = 10' V) for culvert crossings.
5. Prepare driveway culvert details and a tabular format for each driveway culvert.
6. Prepare hydraulic calculations sheets for storm sewer system, roadside ditches, and culvert crossings. All calculations will be in conformance with the approved Drainage Study for this Project.
7. Prepare a Project-specific storm water pollution prevention plan (SW3P) (1" = 100' H) to comply with the Federal Regulations (40CFR, part 122) published in the Federal Register on September 9, 1992 which determines the type and placement of storm water management measures.
8. Prepare drainage facility quantity summaries.
9. Prepare SW3P quantity summaries.
10. Select TxDOT and Yoakum District Standards to be included in the plan set.

FC 160(162) SIGNING AND PAVEMENT MARKINGS

A. Signing and Pavement Markings

1. Signing and Pavement Marking Sheets
 - a) The Engineer shall prepare drawings, specifications, and details for all signs. The Engineer shall coordinate with the State (and other Engineers as required) for overall temporary, interim and final signing strategies and placement of signs outside contract limits.
 - b) The Engineer shall detail both permanent and temporary pavement markings and channelization devices on plan sheets. The Engineer shall coordinate with

the State (and other Engineers as required) for overall temporary, interim, and final pavement marking strategies. The Engineer shall select Pavement markings from the latest State standards.

2. The Engineer Shall develop a small sign summary sheet.
3. The Engineer Shall develop a pavement marking summary sheet.
4. Select TxDOT and Yoakum District Standards to be included in the plan set.

FC 160(163) MISCELLANEOUS ROADWAY

A. General

1. Prepare Miscellaneous Roadway sheets to include the Title sheet and Index sheet.
2. Develop a list of Specification Items, Special Provisions and Special Specifications applicable to the Project. Submit Form 1814 for new Specifications that may be required. Review the master listing of general notes established and furnished by the Yoakum District. From this listing develop notes applicable to this Project.

B. Traffic Control Phasing

1. Update traffic control typical cross-sections.
2. Update the sequence of construction and method of handling traffic during each phase to be included with each phase layout. Develop Traffic Control Plans to show the existing and proposed traffic control devices that will be used to handle traffic during construction. Included will be regulatory signs, warning signs, construction warning signs, guide signs, route markers, construction pavement markings, channelizing devices, portable changeable message signs, flashing arrow boards, barricades, and/or barriers that may be required.
3. Produce summary sheet of traffic control quantities including work zone pavement markings and existing pavement markings to be removed.
4. Select TxDOT and Yoakum District Standards to be included in the plan set.

C. Retaining Walls. Prepare Retaining Wall Layouts showing the plan layout and elevation for each wall. The limits of pay, top of wall elevations, finished grade, and bore hole locations will be shown as well as any replacement of unsuitable material. The walls will be evaluated for stability in accordance with the Geotechnical Report and the TxDOT design standards.

D. RR Exhibit. Review and update the RR Exhibit plan sheet attachments to confirm with the latest TxDOT Standards and site condition changes. Verify bridge calculations against current standard revisions. Verify H&H design due to US 59 Project upstream

drainage improvements by others,

- E. **Estimate.** The Engineer shall independently develop and report quantities necessary to construct the contract in standard State bid format at the specified milestones and Final PS&E submittals. The Engineer shall prepare each construction cost estimates using Estimator or any approved method. The estimate shall be provided at each milestone submittal and in TxdotConnect format at the 95% and Final PS&E submittals per State’s District requirement.
- F. **Construction Schedule.** Prepare construction time estimate as defined by Administrative Circular No. 17-93 in Excel format.

G. QC Review and PS&E Milestone Submission

- 1. The Engineer shall provide peer review at all levels. For each deliverable, the Engineer shall have some evidence of their internal review and mark-up of that deliverable as preparation for submittal. A milestone submittal is not considered complete unless the required milestone documents and associated internal red-line mark-ups are submitted. The Engineer shall perform QA and QC on all survey procedures, field surveys, data, and products prior to delivery to the State. If, at any time, during the course of reviewing a survey submittal it becomes apparent to the State that the submittal, contains errors, omissions, or inconsistencies, the State may cease its review and immediately return the submittal to the Engineer for appropriate action by the Engineer. A submittal returned to the Engineer for this reason is not a submittal for purposes of the submission schedule.
- 2. Deliverables – PS&E Submission

The Engineer shall provide the following information at each submittal:

30% Plans Submittal

- a) One PDF set by USB for the State District Review.
- b) Estimate of construction cost.
- c) Engineer’s internal QA and QC markup set.
- d) Form 1002 and Design Exceptions with existing and proposed typical sections, location map and design exception exhibits.

60% Plans Submittal:

- a) Eight sets of 11” x 17” plan sets for the State District review.
- b) Estimate of construction cost.
- c) Engineer’s internal QA and QC marked up set.
- d) One set of a roll format TCP phasing layouts, one .pdf of plan sheets for

District Review Submittal (90%):

- a) PDF of 11” x 17” plan sheets for the State district review
- b) List of governing Specifications and Special Provisions in addition to
- c) those required.
- d) Marked up general notes.
- e) Plans estimate.
- f) New Special Specifications and Special Provisions with Form 1814, if
- g) applicable.
- h) Triple Zero Special Provisions.
- i) Engineer sign, seal and date supplemental sheets (8 ½” x 11”).
- j) Contract time determination summary.
- k) Significant project procedures form.
- l) Right-of-Way and utilities certification.
- m) Temporary road closure letters.
- n) Construction speed zone request.
- o) Engineer’s internal QA and QC marked-up set.
- p) Other supporting documents.

Final submittal (100%).

- a) PDF of 11” x 17” plan sheets.
- b) Revised supporting documents from 95% review comments.
- c) A final 3D model, in DGN format, LandXML format and other format (as

FC 160(170) BRIDGE DESIGN

See Attached Scope for Jacobs, Engineering.

FC 160(309) CONSTRUCTION PHASE SERVICES

The Engineer shall provide Construction Phase Services at the written request of the State’s Project Manager. The written request must include a description of the work requested, a mutually agreed upon time limit, and any special instructions for coordination and submittal. These services shall include, but are not limited to the following:

- 1. Attend preconstruction meeting
- 2. Attend field meetings and make visits to site
- 3. Assist the area engineer in preparing change orders
- 4. Review and approval of shop drawings

5. Review and approval of forming details
6. Responding to requests for information (RFIs)
7. Providing minor redesign (major redesign should be handled with a contract supplement), which will include changes to the affected plan sheets and an updated copy of the 3D corridor model.
8. Answering general questions
9. Providing clarification



Houston | 6120 S. Dairy Ashford Rd.
Austin | Houston, TX 77072-1010
Dallas | 281.933.7388 Ph
San Antonio | 281.933.7293 Fax
www.hvj.com

June 12, 2020

Mr. Larry Janak, PE
IDC, Inc.
11111 Wilcrest Green, Suite 250
Houston, Texas 77042

Re: Additional Geotechnical Study
FM 1301 Relocation and Grade Separation (RR to US 59)
Wharton, Texas
Owner: City of Wharton
HVJ Proposal No. HG1112220.1

Dear Mr. Janak,

In response to your request, HVJ Associates, Inc. is pleased to submit this proposal for the additional geotechnical study for the above referenced project. This proposal outlines our understanding of the scope of the project, our experience in handling similar projects, our approach and our estimated level of effort for providing the study.

Project Description

The scope of this project will modify the limits of the FM 1301 Project from the Kansas City Southern Railroad Overpass to US 59 in Wharton, Texas. A previous geotechnical investigation was performed and a report was submitted HVJ Report No. HG1112220 dated March 6, 2015. This proposal is to address the comments from TxDOT on this report.

Scope of Work

The project includes 4 detention basins. We understand that the depth of all the four detention ponds is less than 5 feet and based on HCFCD guidelines, a geotechnical investigation is not required for ponds less than 5 feet deep. We will address all the comments provided by TxDOT.

Geotechnical Investigation Report: A revised geotechnical report will be prepared by an engineer specializing in soil mechanics and foundation engineering after reviewing available structural, geological, boring and laboratory data.

Schedule

We expect to complete the revised geotechnical report and address the comments on the draft report in about 4 weeks from the day of notice to proceed.

Fees

Based on the scope of work outlined, the fee for our geotechnical services will be \$10,673.90. A cost breakdown is presented in the enclosed tables.

Insurance

Insurance certificates verifying HVJ Associates' general liability, auto, workers' compensation, and errors and omissions insurance coverage, IDC, Inc. as a certificate holder will be provided upon request.

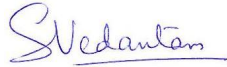
Mr. Larry Janak, PE
HG1112220.1
June 12, 2020

Invoice

Our accounting procedures call for the submittal of invoices on a month-end basis or at the conclusion of project should its duration last less than a month. Our credit terms are net 30 days.

HVJ Associates, Inc. is pleased to be of service on this project. Please contact us if you have any questions or require additional information.

HVJ ASSOCIATES, INC.



Sharmi Vedantam, PE
Branch Manager

SV



| | |
|-------------|--|
| Houston | 6120 S. Dairy Ashford Rd. |
| Austin | Houston, TX 77072-1010 |
| Dallas | 281.933.7388 Ph |
| San Antonio | 281.933.7293 Fax |
| | www.hvj.com |

May 28, 2020

Mr. Larry Janak, PE
IDC, Inc.
15915 Katy Freeway, Ste. 300
Houston, TX 77094

Re: Additional Pavement Design Services
FM 1301 Relocation and Grade Separation (RR to US 59)
Wharton, Texas
Owner: City of Wharton
HVJ Proposal No. HG1112220.1

Dear Mr. Janak,

In response to your request, HVJ Associates, Inc. is pleased to submit this proposal to IDC for the additional pavement cross section design analyses for the above referenced project. This proposal outlines our understanding of the scope of the project, our experience in handling similar projects, our approach and our estimated level of effort for providing the study.

Project Description

The scope of this project will modify the limits of the FM 1301 Project from the Kansas City Southern Railroad Overpass to US 59 in Wharton, Texas. A previous geotechnical investigation was performed and a report was submitted HVJ Report No. HG1112220 dated March 6, 2015. This proposal is to address the comments received from TxDOT on this report.

Scope of Work

HVJ will provide additional pavement design calculations considering material types and strength modifications requested by TxDOT and revise the pavement design section of the report to include the revised designs and a Summary of Proposed Pavement Structure. For the additional pavement design services no additional borings, coring, or laboratory testing is required.

Documentation

The field work is documented through preparation of a revised pavement design report also updated to the latest TxDOT Pavement Design Manual and District SOP.

Schedule

We can complete the updated pavement design report to be completed at the same time as the updated geotechnical report.

Fees

Based on the scope of work outlined, the fee for our geotechnical services will be \$2,042.70. A cost breakdown is presented in the enclosed tables using the original contract hourly rate schedule. For the pavement design work there are no ODE or unit price items.

Mr. Larry Janak, PE
HG1112220.1
May 28, 2020

Insurance

Insurance certificates verifying HVJ Associates' general liability, auto, workers' compensation, and errors and omissions insurance coverage, IDC as a certificate holder will be provided upon request.

Invoice

Our accounting procedures call for the submittal of invoices on a month-end basis or at the conclusion of project should its duration last less than a month. Our credit terms are net 30 days.

Conditions

HVJ Associates, Inc. is pleased to be of service on this project. Please contact us if you have any questions or require additional information.

HVJ ASSOCIATES, INC.



R. F. (Frank) Carmichael III, PE
Sr. Project Manager
HVJ Pavement Design Practice Lead

FC

October 1, 2019
(Revised May 12, 2020)

Nadeem Abbasi, PE
 IDCUS
 15915 Katy Freeway, Suite 300
 Houston, Texas 77094

Subject: Proposal for Professional Services
 Proposed FM 1301 By-Pass in Wharton, Texas
 Design Surveying and Right-of-Way Mapping

Dear Mr. Abbasi,

Huitt-Zollars, Inc. (Huitt-Zollars) appreciates the opportunity to provide this proposal for professional surveying services to IDCUS (Client) in connection with the design surveying and right-of-way mapping for the proposed FM 1301 By-Pass in Wharton, Texas (Project). The surveying limits of the Project begin at the previous proposed alignment Station 37+50 to Station 55+50 at the center of the Railroad Tracks on the previous FM 1301 Alignment. With the new proposed alignment, the project begins on the east Right-of-Way of US 59 at Station 42+00 and extends in a southeasterly direction to Station 108+25 at the intersection of the previous proposed alignment (exhibit a). The Project contains approximately 8,425 linear feet. The surveying limits also include the delineation of two (2) proposed detention areas, Detention Pond #3 - 2.2 acres and Detention Pond #4 - 4.5 acres as attached on exhibit "B". All work will be prepared in accordance with current TxDOT standards and procedures. Right of entry will be obtained on private property where surveying is required.

Our proposal is based upon the following scope of services, compensation, schedule, terms and conditions and attachments contained herein.

SCOPE OF SERVICES

1.0 Basic Services

1.1 Our Scope of Services is divided into three (3) phases as follows:

- Project control
- Design (topographic) Survey
- Right-of-way mapping

1.1.1 Project Control:

Huitt-Zollars will set the necessary Primary and Secondary Control Points required to complete the project. All control points shall be established horizontally relative to the Texas Coordinate System South Central Zone–North American Datum of 1983 (NAD83/93) adjustment and vertically relative to the North American Vertical Datum of 1988 (NAVD 88). A TxDOT combined adjustment factor will be applied to each point to obtain surface coordinate values. The following shall be provided:

- Three (3) Primary Control Points will be set. One (1) near each end and one (1) near the center of the Project. Primary Control Points will consist of aluminum monuments in concrete and will be set where they will not be disturbed during the construction phase of the project. Primary Control Points shall be established using Static GPS, conventional adjustable horizontal traverses and digital differential level loops.

- Secondary Control Points will be set approximately 1,200 feet apart in inter-visible pairs along the proposed alignment centerline and as needed to accomplish the work. These points will be marked with 5/8 inch capped iron rods. Secondary Control Points shall be established using conventional horizontal adjustable traverses and digital differential level loops.

The following deliverables shall be provided to the Client:

- Survey Control Layout Sheet showing Primary and Secondary Control Points and Survey Control Data Sheets for the Primary Control Points.
- Survey Control notes describing metadata and procedures used.
- Listing of designation and X,Y,Z coordinate values of all points (surface and grid).
- Field Notes, Sketches, ASCII Files, GeoPak, and GPS processing printout
- CD containing all files.

1.1.2 **Design (Topographic) Survey**

Huitt-Zollars will perform a design survey of the limited topographic area as depicted in red on attached exhibit “C” of the Project using RTK GPS and conventional surveying methods. Huitt-Zollars shall perform the following:

- Notify Texas Excavation Safety System (TESS) to have utilities marked and obtain public and private utility maps.
- Contact pipeline companies, who have facilities within the Project limits to provide location and depths of existing pipelines.
- Cross sections at 100 ft. intervals.
- Locate and tie visible utilities, improvements, irregularities in the natural ground and other physical features within the cross section limits.
- Obtain the type, size, and flow line elevations of sanitary sewer lines, storm sewer lines, and drainage structures within and near the Project limits.
- Tie bore holes.

The following deliverables shall be provided to the Client:

- Color and black line roll plots of 2D and 3D (DTM) MicroStation V8 files
- Utility contacts, field notes, sketches and digital project photographs.
- GEOPAK Cross Sections
- TxDOT’s legend and level structures.
- CD containing electronic files.

1.1.3 **Right-of-Way Mapping**

All work shall be performed in accordance with TxDOT’s current standards and procedures for right-of-way mapping. Preliminary research indicates that the Project will require sixteen (16) separate land parcels for acquisition which include two Detention Areas. Parcel Packages will include parcel map, metes and bounds description, area calculation sheet and deed of record of the parent tract for each parcel (or easement) to be acquired. The following shall be provided:

- Abstracting (Deed Research) to obtain tax rolls, deeds, recorded plats, maps, and easements for tracts of land within and adjacent to the Project.
- Perform field surveys. Establish existing right-of-way lines and other boundary lines within and adjacent to the Project.
- Create a preliminary right-of-way map (abstract map) and provide to the Client for approval.

- After approval of preliminary right-of-way map, create a right-of-way map. The right-of-way Map will include a cover sheet, index sheet, control sheet, and map sheets.
- Create parcel plats and property descriptions for each of the required parcels and assemble the Parcel Packages. It is estimated at twenty (20) total parcels.
- Submit the right-of-way map and Parcel Packages to the Client for review.
- After Client review, stake the right-of-way and the project baseline on the ground in accordance to TxDOT's specifications.
- Submit mylars of the right-of-way map, signed and sealed parcel plats and property descriptions to the Client and provide electronic files on a CD.

The following deliverables shall be provided to the Client:

- Preliminary right-of-way map.
- Right-of-way map (initial submittal).
- Parcel Packages (initial submittal).
- Right-of-way map (final submittal).
- Parcel Packages (final submittal).
- Survey report, field notes, and all files on CD.

CSJ#: 1412-03-038

District # 13-Yoakum

Code Chart 64 # 45500

Project: The Extension of FM 1301 from SH 60 to US 59 in Wharton

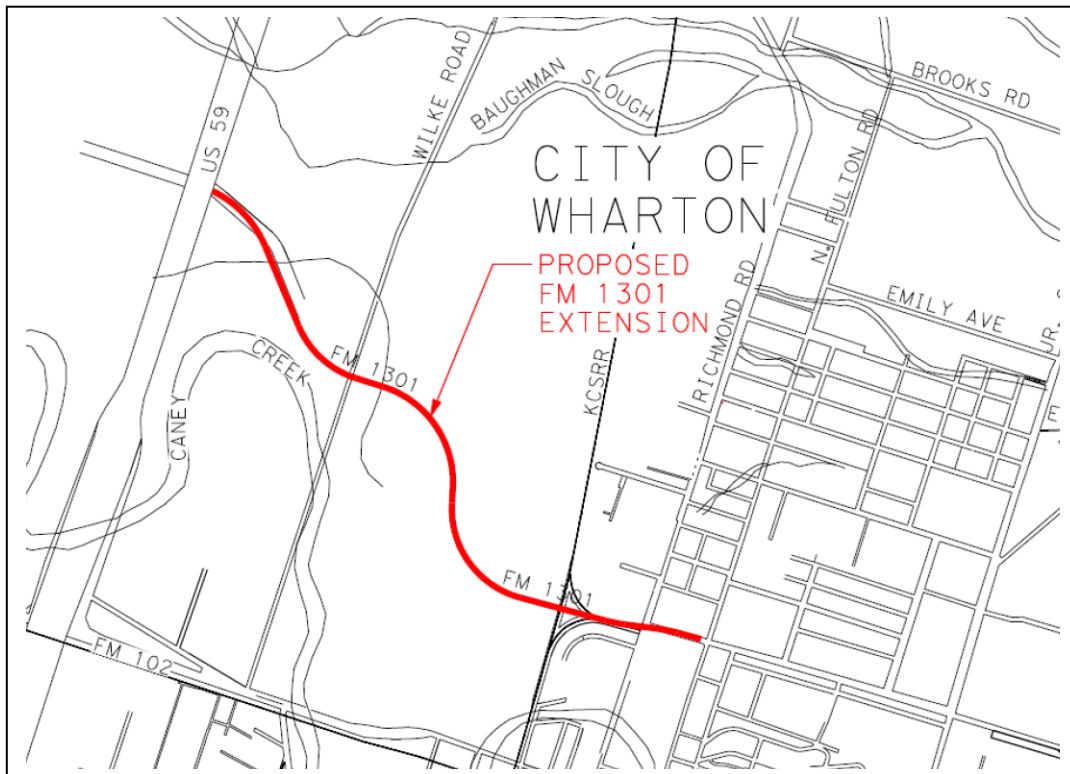
Federal Highway Administration

CFDA # 20.205

Not Research and Development

ATTACHMENT B

Location Map Showing Project



SERVICES TO BE PROVIDED BY THE SUBCONSULTANT

Supplemental Work Authorization Relocated FM 102 at KCS RR City of Wharton

The work to be performed by the Subconsultant under this Supplemental Work Authorization (SWA) shall consist of providing engineering services required for the revision to the FM 1301 (FM 102) bridge design and related documents. The subconsultant will update the bridge design and all detail sheets to meet current TxDOT Bridge Division design practices. The current practices require all new bridges to have an 8.5" thick slab, girder designs to utilize 0.6-inch diameter strands and PS&E plans to incorporate the current TxDOT standard details.

General Requirements

General requirements shall be in accordance with requirements defined in the Professional Services Agreement between Jacobs Engineering Group Inc, (SUBCONSULTANT) and IDCUS, Inc (Engineer)

- I. PROJECT MANAGEMENT AND ADMINISTRATION (F.C. 164)
 - A. This task requires SUBCONSULTANT to coordinate with IDC; manage budget, schedule, invoicing; implementing and monitoring QA/QC efforts; and other activities associated with managing the project.

- II. BRIDGE DESIGN (F.C. 170)

A. PREPARATION OF STRUCTURAL DETAILS

Jacobs (SUBCONSULTANT) shall revise structural details for the grade separation over the KCS RR tracks to incorporate the thicker deck slab and revised TxDOT design practices. The details shall include abutment details, interior bent details, span/unit details and beam details. TxDOT standards shall be used to the greatest extent possible. Prestressed concrete beam units shall be designed to be continuous slab, with no integral concrete end diaphragms. Bents shall be standard TxDOT bents with standard columns and bent caps. The SUBCONSULTANT shall make final design calculations and provide information to TxDOT. The bridge designs shall be in accordance with TxDOT's Bridge Division manuals.

B. PREPARATION OF BRIDGE LAYOUTS

1.1 BRIDGE LAYOUTS

The SUBCONSULTANT shall revise and re-submit the Preliminary Bridge Layout for review and approval by the Bridge Division. The revisions shall include showing the thicker deck slab and revised substructure to accommodate it.

C. FOUNDATION DESIGN

The SUBCONSULTANT shall revise the foundation design to carry the increased load in accordance with the TxDOT's Bridge Division Geotechnical Manual. WinCore data and a revised comprehensive geotechnical report will be supplied by others. The geotechnical report shall include, but not limited to, foundation recommendations including minimum drilled shaft lengths, minimum penetration into bearing soil material, recommended skin friction values, recommended end bearing values, and bore hole logs to be used in the development of the final plans.

D. BRIDGE TOTAL QUANTITIES AND COST ESTIMATES

The SUBCONSULTANT shall provide all of the revised bridge quantities and the estimate of probable cost for the bridges.

E. BEARING SEAT ELEVATIONS

The SUBCONSULTANT shall provide revised bearing seat elevations for each beam or girder on the quantity summary sheet for the bridges.

F. GEOMETRIC CALCULATIONS

The SUBCONSULTANT shall coordinate with the geometry provided by others and calculate the geometric dimensions of the proposed bridges and provide revised BGS output in a design report to support the bridge design if needed.

G. FRAMING PLAN

The SUBCONSULTANT shall review and revise if needed the framing plan with all applicable dimensions and calculations.

H. BRIDGE STANDARDS

The SUBCONSULTANT will revise the plans to utilize updated TxDOT bridge standards as appropriate.

I. RAILROAD COORDINATION

The SUBCONSULTANT shall review and revise Exhibit "A" for use in developing the permit documentation necessary to construct the grade separation at the KCS RR. The Railroad Coordination and the permit will be prepared by others. This task assumes minor revisions due to TxDOT Bridge Division current design practices and 90% percent comments. Additional Bridge Design revisions due to roadway geometric changes will require a supplemental agreement.

J. AESTHETIC RECOMMENDATIONS

It is not anticipated in this scope that aesthetic treatments are required. If needed, the SUBCONSULTANT shall incorporate any aesthetic recommendations into the design as required by TxDOT and the City of Wharton by supplemental agreement.

K. PLAN DEVELOPMENT

The SUBCONSULTANT shall develop the final design in accordance with the above-mentioned manuals and procedures and comments from the 90% PS&E submittal and Exhibit "A" submittal. The plans developed shall include:

1. Bore Logs
2. Abutment Details
3. Interior Bent Details
4. Foundation Details
5. Beam Layout
6. IBND
7. Slab Units
8. Slab Details
9. Bearing Seat Elevations
10. Quantity Summary

III. CONSTRUCTION SUPPORT SERVICES (F.C. 309)

- A. The SUBCONSULTANT shall provide Construction Support Services at the written request of the State's project manager, during the duration of the construction phase of this project. The written request shall include a description of the work requested, a mutually agreed upon time limit, a mutually agreed upon level of effort, a defined deliverable and any special instructions for coordination and submittal. These services shall include, but are not limited to the following:
- i. Review and approval of Bridge Shop Drawings (Girders & Bearing Pads)
 - ii. Responding to requests for information (RFIs) related to construction of the Bridge as shown in the Supplemental Work Fee.
 - iii. Answering general Bridge questions and or providing clarification
 - iv. SUBCONSULTANT shall attend requested meetings, as shown in the Supplemental Work Fee.
 - v. The SUBCONSULTANT shall provide redesign as requested by the State project manager. In the event that revisions are requested by the State, and the work is considered to be additional to that set forth on the original contract or scopes of work, the SUBCONSULTANT shall prepare a budget and a schedule for the additional work requested. The SUBCONSULTANT shall not commence work on a task prior to receiving written approval by the State.



March 19, 2020

Nadeem Abbasi, P.E.
Civil Engineering Manager – Houston
IDCUS
15915 Katy Freeway, Suite 300
Houston, Texas 77094

Re: Traffic Design Services along FM 1301

Dear Mr. Abbasi,

The WSP team appreciates the opportunity to present traffic services scope of work for signal design, illumination and warrant study along segment of FM 1301, located in City of Wharton, Texas. The proposed scope will modify the existing design that was halted in Year 2014. It is anticipated that there shall be no major redesign required from the 90% submittal that was completed in Year 2014. This document outlines our technical scope of work, schedule, and estimated cost to submit sealed plan set and provide post design support.

Technical Scope of Work:

Traffic Signal (Function Code 162):

1. The design is limited to the intersection of FM 1301 and SH 60
2. WSP will coordinate with service provider and verify power source for signal service.
3. The design will be updated for LED luminaires, audible pedestrian push buttons, flashing yellow signal heads, ITS communications connections, and controller cabinet assemblies and all other items required for the complete construction of the signals meeting current TMUTCD and TxDOT Yoakum district standards.

Signal Warrant Study (Function Code 162):

1. The warrant study is limited to the intersections of FM 1301 and SH 60 and FM 1301 and FM 102
2. The 2014 signal warrant study reported that the warrants are not met for opening year and met for 2036 conditions. A new set of 24-hour counts will be required at the intersection.

Illumination (Function Code 163):

1. The design is limited to the intersection of FM 1301 and FM 102
2. WSP will coordinate with service provider and verify power source for illumination service.
3. The design will be updated for LED luminaires.

The following assumptions were accounted for the man-hour estimates:

1. Identify and include relevant latest standard detail sheets.
2. WSP will address comments from TxDOT and City of Wharton on existing 90% plan set.
3. Submit 95% plan set and engineer's estimate.
4. Conduct one (1) site visit with 95% plan set.



5. Address 95% TxDOT and City of Wharton signal design comments and submit 100% (sealed plan set) and engineer's estimate.
6. We assume except site visit the remainder of anticipated meetings will be through teleconference calls.
7. WSP will submit PDF plan set for 95% and 100% sealed submittal.
8. As required submit project CAD files per TxDOT requirements.
9. IDCUS to provide all project base files including latest topographic, roadway, existing utility, proposed utility, signing and pavement marking and any associated base files.
10. The attached estimate does not include cost to conduct any existing condition turning movement counts.

Post Design Support:

WSP will be available during construction to review traffic signal related construction elements shop drawings, and other submittals submitted by the contractor for conformance with TxDOT requirements. If, required WSP will prepare record drawings from information provided by TxDOT and the contractor.

Schedule:

1. The work will start once we receive Notice to proceed (NTP) from IDCUS. It is anticipated that the 95% plan set will be submitted by end of October 2020.
2. It is anticipated that the 100% (sealed plan set) will be submitted by end of December 2020.

Compensation:

Design – Lump Sum

The IDCUS shall compensate WSP for the performance of services under this Agreement in the fixed price amount of Twenty Five Thousand, Six Hundred Eighty One Dollars and Twenty Four Cents (\$25,681.24).

Post Design Support – Hourly, Not to Exceed.

The work under post design support shall be completed on an Hourly, Not to exceed budget of Four Thousand, Nine Hundred Ninety Nine Dollars and Eighty Two Cents (\$4,999.82). The hourly rates shown in Exhibit A will apply for the tasks completed under Post Design Support.

Payment:

Invoices for interim payments shall be prepared on WSP's standard form and submitted every month to the IDCUS. Such invoices shall be paid to WSP by IDCUS within 14 days.

Thank you,
Prashant M. Pachore, P.E., PTOE
Supervising Traffic Manager

PLANS, SPECIFICATIONS AND ESTIMATE
FM 1301 Extension from SH 60 to US 59 in Wharton County

| Prime Provider: IDCUS, Inc. Highway: FM 1301 CSJ: | | SUBTOTALS | IDCUS | HVJ | JACOBS | Huitt-Zollars | WSP |
|---|------------------------------|---------------------|---------------------|-------------------|--------------------|---------------------|--------------------|
| FC 102 (110) | Total Labor Cost (Lump Sum) | \$51,836.21 | \$43,579.07 | \$8,257.14 | \$0.00 | \$0.00 | \$0.00 |
| | | \$0.00 | | | | | |
| FC 120 (110) | Total Labor Cost (Lump Sum) | \$44,795.12 | \$44,795.12 | | \$0.00 | \$0.00 | \$0.00 |
| | | \$0.00 | | | | | |
| FC 130 (130) | Total Labor Cost (Lump Sum) | \$31,097.00 | \$31,097.00 | | \$0.00 | \$0.00 | \$0.00 |
| | | \$0.00 | | | | | |
| FC 145 (164) | Total Labor Cost (Lump Sum) | \$79,315.05 | \$65,924.01 | | \$9,676.98 | \$0.00 | \$3,714.06 |
| | Other Direct Expenses | \$7,465.98 | \$4,494.00 | | \$812.60 | \$2,000.00 | \$159.38 |
| FC 160 (150) | Total Labor Cost (Lump Sum) | \$16,182.84 | \$16,182.84 | | \$0.00 | | |
| | Total Labor Cost (Unit Cost) | \$114,780.00 | | | | \$114,780.00 | |
| FC 160 (160) | Total Labor Cost (Lump Sum) | \$150,310.94 | \$150,310.94 | | \$0.00 | \$0.00 | \$0.00 |
| | | \$0.00 | | | | | |
| FC 160 (161) | Total Labor Cost (Lump Sum) | \$172,533.11 | \$172,533.11 | | \$0.00 | \$0.00 | \$0.00 |
| | | \$0.00 | | | | | |
| FC 160 (162) | Total Labor Cost (Lump Sum) | \$40,029.32 | \$26,706.36 | | \$0.00 | \$0.00 | \$13,322.96 |
| | | \$0.00 | | | | | |
| FC 160 (163) | Total Labor Cost (Lump Sum) | \$101,199.97 | \$92,715.13 | | \$0.00 | \$0.00 | \$8,484.84 |
| | | \$0.00 | | | | | |
| FC 160 (170) | Total Labor Cost (Lump Sum) | \$43,163.94 | \$6,208.88 | | \$36,955.07 | \$0.00 | \$0.00 |
| | | \$0.00 | | | | | |
| SUBTOTAL DESIGN | | \$852,709.47 | \$654,546.45 | \$8,257.14 | \$47,444.65 | \$116,780.00 | \$25,681.24 |
| TOTAL DESIGN SERVICES FEE | | | | | | \$852,709.47 | |
| FC 160 (309) | Total Labor Cost (Lump Sum) | \$67,320.55 | \$54,640.45 | | \$7,686.57 | \$0.00 | \$4,993.52 |
| | Other Direct Expenses(CPS) | \$3,399.30 | \$3,393.00 | | | \$0.00 | \$6.30 |
| SUBTOTAL CPS | | \$70,719.85 | \$58,033.45 | | \$7,686.57 | \$0.00 | \$4,999.82 |
| TOTAL CONSTRUCTION SUPPORT SERVICES FEE | | | | | | \$70,719.85 | |
| TOTAL DESIGN/CONSTRUCTION SUPPORT SERVICES FEE | | | | | | \$923,429.32 | |

PLANS, SPECIFICATIONS AND ESTIMATE
FM 1301 Extension from UPRR Railroad Overpass to US 59 in Wharton County

IDCUS, INC.

| TASK DESCRIPTION | SHEET COUNT | Principal | Project Manager | Project Engineer | Designer | CADD Tech | Clerical | Total Labor | Hours per Sheet | Direct Labor | Overhead 161.00% | Fixed Fee 12% | Total Amount |
|---|-------------|-----------|-----------------|------------------|-----------|-----------|----------|-------------|-----------------|------------------|------------------|-----------------|--------------------|
| | | \$85.00 | \$80.00 | \$59.00 | \$37.00 | \$34.00 | \$27.00 | (Hours) | (Hours) | (Dollars) | (Dollars) | (Dollars) | (Dollars) |
| ROUTE AND DESIGN STUDIES FC102(110) | | | | | | | | | | | | | |
| A. Data Collection and Field Reconnaissance | | 12 | 20 | 32 | 16 | | | 80 | | \$5,100.00 | \$8,211.00 | \$1,597.32 | \$14,908.32 |
| B. Review & Update Design Criteria | | | 2 | 6 | 8 | | | 16 | | \$810.00 | \$1,304.10 | \$253.69 | \$2,367.79 |
| C. Schematic Layout - Revise | | | 8 | 16 | 24 | 32 | | 80 | | \$3,560.00 | \$5,731.60 | \$1,114.99 | \$10,406.59 |
| D. Attend Design Concept Conference & Prepare DSR | | | 12 | 24 | | | | 36 | | \$2,376.00 | \$3,825.36 | \$744.16 | \$6,945.52 |
| E. Geotechnical | | | 12 | 24 | | | | 36 | | \$2,376.00 | \$3,825.36 | \$744.16 | \$6,945.52 |
| 1. Administer Geotechnical Contract | | | 1 | 4 | | | 2 | 7 | | \$370.00 | \$595.70 | \$115.88 | \$1,081.58 |
| 2. Review | | | 1 | 4 | | | | 5 | | \$316.00 | \$508.76 | \$98.97 | \$923.73 |
| Subtotal | | 12 | 56 | 110 | 48 | 32 | 2 | 260 | 0 | 14,908.00 | 24,001.88 | 4,669.19 | \$43,579.07 |

| TASK DESCRIPTION | SHEET COUNT | Principal | Project Manager | Project Engineer | Designer | CADD Tech | Clerical | Total Labor | Hours per Sheet | Direct Labor | Overhead 161.00% | Fixed Fee 12% | Total Amount |
|---|-------------|-----------|-----------------|------------------|-----------|-----------|----------|-------------|-----------------|------------------|------------------|-----------------|------------------|
| | | \$85.00 | \$80.00 | \$59.00 | \$37.00 | \$34.00 | \$27.00 | (Hours) | (Hours) | (Dollars) | (Dollars) | (Dollars) | (Dollars) |
| ENVIRONMENTAL STUDIES & PUBLIC COMMENT FC120(110) | | | | | | | | | | | | | |
| A. Provide/Revise Exhibits Documents for Environmental Document | | 8 | 8 | 16 | 12 | 8 | | 52 | | \$2,980.00 | 4,797.80 | 933.34 | 8,711.14 |
| B. Public Meeting | | | | | | | | | | | | | |
| Presentation Exhibits for Public Hearing | | 8 | 8 | 12 | 12 | 12 | | 52 | | \$2,880.00 | 4,636.80 | 902.02 | 8,418.82 |
| Prepare & Attend Public Hearing | | 24 | 12 | 16 | 20 | 20 | | 92 | | \$5,364.00 | 8,636.04 | 1,680.00 | 15,680.04 |
| C. Prepare EPIC | | | 4 | 8 | 8 | 4 | | 24 | | \$1,224.00 | 1,970.64 | 383.36 | 3,578.00 |
| D. Administer Environmental Contract | | 4 | 14 | 24 | | | | 42 | | \$2,876.00 | 4,630.36 | 900.76 | 8,407.12 |
| Subtotal | | 44 | 46 | 76 | 52 | 44 | | 262 | | 15,324.00 | 24,671.64 | 4,799.48 | 44,795.12 |

| TASK DESCRIPTION | SHEET COUNT | Principal | Project Manager | Project Engineer | Designer | CADD Tech | Clerical | Total Labor | Hours per Sheet | Direct Labor | Overhead 161.00% | Fixed Fee 12% | Total Amount |
|---|-------------|-----------|-----------------|------------------|-----------|-----------|----------|-------------|-----------------|--------------------|--------------------|-------------------|--------------------|
| | | \$85.00 | \$80.00 | \$59.00 | \$37.00 | \$34.00 | \$27.00 | (Hours) | (Hours) | (Dollars) | (Dollars) | (Dollars) | (Dollars) |
| RIGHT-OF-WAY DATA FC130(130) | | | | | | | | | | | | | |
| A. Coordinate Right-of-Way Acquisition | | | 12 | 24 | 24 | | | 60 | | \$3,264.00 | \$5,255.04 | \$1,022.28 | \$9,541.32 |
| B. Utility Coordination, Relocation, Locations and Reserach | | | | | | | | | | | | | |
| 1. Develop & Maintain Utility Matrix | | | 8 | 12 | 24 | | | 44 | | \$2,236.00 | \$3,599.96 | \$700.32 | \$6,536.28 |
| 2. Prepare Utility Exhibit | | | 8 | 12 | 20 | 24 | 2 | 66 | | \$2,958.00 | \$4,762.38 | \$926.45 | \$8,646.83 |
| 3. Coordinate Utility Relocation | | | 4 | 16 | | | | 20 | | \$1,264.00 | \$2,035.04 | \$395.88 | \$3,694.92 |
| 4. Certify Adjustments | | | | 8 | 12 | | | 20 | | \$916.00 | \$1,474.76 | \$286.89 | \$2,677.65 |
| Subtotal | | 0 | 32 | 72 | 80 | 24 | 2 | 210 | | \$10,638.00 | \$17,127.18 | \$3,331.82 | \$31,097.00 |

| TASK DESCRIPTION | SHEET COUNT | Principal | Project Manager | Project Engineer | Designer | CADD Tech | Clerical | Total Labor | Hours per Sheet | Direct Labor | Overhead 161.00% | Fixed Fee 12% | Total Amount |
|---|-------------|-----------|-----------------|------------------|-----------|-----------|----------|-------------|-----------------|----------------|-------------------|-------------------|--------------------|
| | | \$85.00 | \$80.00 | \$59.00 | \$37.00 | \$34.00 | \$27.00 | (Hours) | (Hours) | (Dollars) | (Dollars) | (Dollars) | (Dollars) |
| FIELD SURVEYING SUPPORT FC160(150) | | | | | | | | | | | | | |
| A. Administer Surveyor Contract | | | 4 | | | | 4 | 8 | | \$428.00 | \$689.08 | \$134.05 | \$1,251.13 |
| B. Coordinate Work of Surveyor | | | 8 | 16 | | | | 24 | | \$1,584.00 | \$2,550.24 | \$496.11 | \$4,630.35 |
| C. Review DTM and Survey Data | | | | 8 | 16 | | | 24 | | \$1,064.00 | \$1,713.04 | \$333.24 | \$3,110.28 |
| D. Review ROW Maps, Field Notes & Descriptions | | | 8 | 12 | | | | 20 | | \$1,348.00 | \$2,170.28 | \$422.19 | \$3,940.47 |
| E. Coordinate and Review Parcel Plats & Easements | | | 8 | 8 | | | | 16 | | \$1,112.00 | \$1,790.32 | \$348.28 | \$3,250.60 |
| Subtotal | | 0 | 28 | 44 | 16 | 0 | 4 | 92 | | \$5,536 | \$8,912.96 | \$1,733.88 | \$16,182.84 |

| TASK DESCRIPTION | SHEET COUNT | Principal | Project Manager | Project Engineer | Designer | CADD Tech | Clerical | Total Labor | Hours per Sheet | Direct Labor | Overhead 161.00% | Fixed Fee 12% | Total Amount |
|---|-------------|-----------|-----------------|------------------|----------|-----------|----------|-------------|-----------------|--------------|------------------|---------------|--------------|
| | | \$85.00 | \$80.00 | \$59.00 | \$37.00 | \$34.00 | \$27.00 | (Hours) | (Hours) | (Dollars) | (Dollars) | (Dollars) | (Dollars) |
| ROADWAY DESIGN CONTROLS FC160(160) | | | | | | | | | | | | | |
| A. Geometric Design | | | | | | | | | | | | | |
| 1. Typical Sections | | | | | | | | | | | | | |
| Existing Typical Sections - US 59 New Sheet | 1 | | 1 | 4 | 8 | 12 | | 25 | 25 | \$1,020.00 | \$1,642.20 | \$319.46 | \$2,981.66 |

| | | | | | | | | | | | | | |
|--|-----------|-----------|-----------|------------|------------|------------|----------|--------------|----|---------------|--------------------|--------------------|---------------------|
| Proposed Typical Sections - Revise | 4 | | 2 | 6 | 12 | 28 | | 48 | 12 | \$1,910.00 | \$3,075.10 | \$598.21 | \$5,583.31 |
| Proposed Typical Sections - US 59 New Sheet | 1 | | 2 | 4 | 6 | 12 | | 24 | 24 | \$1,026.00 | \$1,651.86 | \$321.34 | \$2,999.20 |
| 2. OpenRoads Model | | | | | | | | | | | | | |
| a. Prepare DTM, Corridor Files, templates, Super elevations | | | 4 | 24 | 40 | | | 68 | | \$3,216.00 | \$5,177.76 | \$1,007.25 | \$9,401.01 |
| b. Manage Design Criteria | | | 4 | 24 | 32 | | | 60 | | \$2,920.00 | \$4,701.20 | \$914.54 | \$8,535.74 |
| d. Develop Proposed Cross Sections and Compute | | | 6 | 60 | 80 | 120 | | 266 | | \$11,060.00 | \$17,806.60 | \$3,463.99 | \$32,330.59 |
| 3. Roadway P&P Sheets (1"=50' H, 1"=5' V) | | | | | | | | | | | | | |
| Roadway P&P Sheets - Revise | 8 | 8 | 8 | 20 | 30 | 48 | | 114 | 14 | \$5,242.00 | \$8,439.62 | \$1,641.79 | \$15,323.41 |
| Roadway P&P Sheets - FM 1301 - New Sheet | 8 | | 40 | 40 | 60 | 80 | | 220 | 28 | \$10,500.00 | \$16,905.00 | \$3,288.60 | \$30,693.60 |
| Roadway P&P Sheet (US 59 FRTG Rd) - New Sheet | 2 | | 4 | 12 | 16 | 24 | | 56 | 28 | \$2,436.00 | \$3,921.96 | \$762.96 | \$7,120.92 |
| 4. Horizontal Alignment Layout Sheets (1"=200') - Revise | 1 | | 1 | 2 | 8 | 12 | | 23 | 23 | \$902.00 | \$1,452.22 | \$282.51 | \$2,636.73 |
| 5. Geopak Alignment Data Sheet - Revise | 1 | | 1 | 2 | 8 | 12 | | 23 | 23 | \$902.00 | \$1,452.22 | \$282.51 | \$2,636.73 |
| 6. Intersection Layout Sheets (1"=40') | | | | | | | | | | | | | |
| Intersection Layout Accel. /Decel. Ln (US 59 FRTG Rd) (1"=40') - New | 2 | 2 | 6 | 12 | 16 | 20 | | 56 | 28 | \$2,630.00 | \$4,234.30 | \$823.72 | \$7,688.02 |
| Intersection Layout Sheet (CR 231) - New Sheet | 1 | | 2 | 4 | 8 | 12 | | 26 | 26 | \$1,100.00 | \$1,771.00 | \$344.52 | \$3,215.52 |
| Intersection Layout (Burstein) - Revise | 1 | | 1 | 1 | 4 | 12 | | 18 | 18 | \$695.00 | \$1,118.95 | \$217.67 | \$2,031.62 |
| Intersection Layout (SH 60) - Revise | 1 | | 1 | 1 | 4 | 12 | | 18 | 18 | \$695.00 | \$1,118.95 | \$217.67 | \$2,031.62 |
| 7. Summaries | | | | | | | | | | | | | |
| a. Removal Summary - Update | 1 | | 2 | 4 | 8 | 12 | | 26 | 26 | \$1,100.00 | \$1,771.00 | \$344.52 | \$3,215.52 |
| b. Roadway Quantity Summary - Update | 1 | | 2 | 4 | 8 | 12 | | 26 | 26 | \$1,100.00 | \$1,771.00 | \$344.52 | \$3,215.52 |
| c. Earthwork Quantities Summary - Update | 1 | | 2 | 4 | 8 | 12 | | 26 | 26 | \$1,100.00 | \$1,771.00 | \$344.52 | \$3,215.52 |
| d. Driveway Table & Details - Update | 1 | | 2 | 4 | 8 | 12 | | 26 | 26 | \$1,100.00 | \$1,771.00 | \$344.52 | \$3,215.52 |
| 8. Roadway Standards - Re-Evaluate | 14 | | 1 | 2 | 8 | 8 | | 19 | 1 | \$766.00 | \$1,233.26 | \$239.91 | \$2,239.17 |
| Subtotal | 49 | 10 | 92 | 234 | 372 | 460 | 0 | 1,168 | | 51,420 | \$82,786.20 | \$16,104.74 | \$150,310.94 |

| TASK DESCRIPTION | SHEET COUNT | Principal | Project Manager | Project Engineer | Designer | CADD Tech | Clerical | Total Labor | Hours per Sheet | Direct Labor | Overhead 161.00% | Fixed Fee 12% | Total Amount |
|--|-------------|-----------|-----------------|------------------|------------|------------|----------|--------------|-----------------|--------------------|--------------------|--------------------|---------------------|
| | | \$85.00 | \$80.00 | \$59.00 | \$37.00 | \$34.00 | \$27.00 | (Hours) | (Hours) | (Dollars) | (Dollars) | (Dollars) | (Dollars) |
| DRAINAGE DESIGN FC160(161) | | | | | | | | | | | | | |
| A. Drainage Analysis & Technical Report | | | | | | | | | | | | | |
| 1. Data Collection (Update) | | | 2 | 4 | 8 | 2 | | 16 | | \$760.00 | \$1,223.60 | \$238.03 | \$2,221.63 |
| 2. Coordination with FEMA Floodplain Administrator (Update) | | | 2 | 4 | 4 | | | 10 | | \$544.00 | \$875.84 | \$170.38 | \$1,590.22 |
| 3. Coordination with other agencies regarding on-going levee project (New information) | | | 4 | 12 | 10 | | | 26 | | \$1,398.00 | \$2,250.78 | \$437.85 | \$4,086.63 |
| 4. Determine drainage areas (Update and Revise) | | | 2 | 8 | 12 | 8 | | 30 | | \$1,348.00 | \$2,170.28 | \$422.19 | \$3,940.47 |
| 5. Compute peak flows (follow new Atlas 14 guidelines) | 2 | | 3 | 22 | 34 | 12 | | 73 | | \$3,374.00 | \$5,432.14 | \$1,056.74 | \$9,862.88 |
| 6. Hydraulic Impact Analysis (Update and Revise) | | | 3 | 22 | 36 | 12 | | 73 | | \$3,278.00 | \$5,277.58 | \$1,026.67 | \$9,582.25 |
| 7. Analyze 100-yr overland flow (Update and Revise) | | | 2 | 8 | 16 | 4 | | 30 | | \$1,360.00 | \$2,189.60 | \$425.95 | \$3,975.55 |
| 8. Floodplain Fill Mitigation (Update and Revise) | | | 2 | 8 | 12 | | | 22 | | \$1,076.00 | \$1,732.36 | \$337.00 | \$3,145.36 |
| 9. Preliminary Drainage Layouts (Update and Revise) | | | 2 | 16 | 24 | 16 | | 58 | | \$2,536.00 | \$4,082.96 | \$794.28 | \$7,413.24 |
| 10.Prepare Draft Drainage Technical Report | 1 | | 4 | 12 | 20 | 8 | 4 | 49 | | \$2,233.00 | \$3,595.13 | \$699.38 | \$6,527.51 |
| 11.Prepare Final Drainage Technical Report | 1 | | 4 | 12 | 20 | 8 | 4 | 49 | | \$2,233.00 | \$3,595.13 | \$699.38 | \$6,527.51 |
| B. PS&E Construction Drawings | | | | | | | | | | | | | |
| 1. Drainage Area Maps | | | | | | | | | | | | | |
| a. Drainage Area Watershed Maps & Calc. (1"=400') (Revise) | 1 | | 1 | 8 | 4 | 8 | | 21 | 21 | \$972.00 | \$1,564.92 | \$304.43 | \$2,841.35 |
| b. Drainage Area Layout & Runoff Calc.(New sheets) | 8 | | 4 | 36 | 92 | 36 | | 168 | 21 | \$7,072.00 | \$11,385.92 | \$2,214.95 | \$20,672.87 |
| c.. Drainage Area Layout & Runoff Calc.(Existing sheet) | 1 | | | 4 | 4 | 4 | | 12 | 12 | \$520.00 | \$837.20 | \$162.86 | \$1,520.06 |
| 2. a. Storm Sewer Layouts (Existing sheet) | 1 | | | 2 | 4 | 2 | | 8 | 8 | \$334.00 | \$537.74 | \$104.61 | \$976.35 |
| b. Storm Sewer Laterals (New sheets) | 2 | | 4 | 16 | 24 | 12 | | 56 | 28 | \$2,560.00 | \$4,121.60 | \$801.79 | \$7,483.39 |
| 3. a. Detention Pond Layouts & Design (Detension Basin #1) (New sheets) | 2 | | 4 | 16 | 30 | 15 | | 65 | 33 | \$2,884.00 | \$4,643.24 | \$903.27 | \$8,430.51 |
| b. Detention Pond Layouts & Design (Detension Basin #2) (New sheets) | 2 | | 4 | 12 | 24 | 15 | | 55 | 28 | \$2,426.00 | \$3,905.86 | \$759.82 | \$7,091.68 |
| c. Detention Pond Layouts & Design (Two Detension Basins) (Existing sheets) | 4 | | | 32 | 48 | 40 | | 120 | 30 | \$5,024.00 | \$8,088.64 | \$1,573.52 | \$14,686.16 |
| 4. Cross-Culvert P&P Sheets (1"=40') (New sheets) | 4 | | 2 | 24 | 40 | 36 | | 102 | 26 | \$4,280.00 | \$6,890.80 | \$1,340.50 | \$12,511.30 |
| 5. Driveway Culvert Table & Details (New sheet) | 1 | | 1 | 8 | 4 | 8 | | 21 | 21 | \$972.00 | \$1,564.92 | \$304.43 | \$2,841.35 |
| 6. Ditch Hydraulic Calculations (New sheet) | 1 | | 2 | 6 | 8 | 12 | | 28 | 28 | \$1,218.00 | \$1,960.98 | \$381.48 | \$3,560.46 |
| 6. Hydraulic Calculations (Existing sheet) | 1 | | | 8 | 8 | 8 | | 8 | 8 | \$472.00 | \$759.92 | \$147.83 | \$1,379.75 |
| 7. a. SW3P Layouts (1"=100')(New sheets) | 8 | | 8 | 40 | 70 | 30 | | 148 | 19 | \$6,610.00 | \$10,642.10 | \$2,070.25 | \$19,322.35 |
| b. SW3P Layouts (1"=100')(Existing sheet) | 1 | | | 4 | 4 | 10 | | 14 | 14 | \$488.00 | \$785.68 | \$152.84 | \$1,426.52 |
| 8. Drainage Quantities Summary (Revise) | 1 | | 1 | 8 | 8 | 8 | | 25 | 25 | \$1,120.00 | \$1,803.20 | \$350.78 | \$3,273.98 |
| 9. SW3P Quantities Summary(Revise) | 1 | | 1 | 8 | 4 | 8 | | 21 | 21 | \$972.00 | \$1,564.92 | \$304.43 | \$2,841.35 |
| 10.Drainage Detail Sheet (New sheet) | 1 | | 1 | 4 | 10 | 8 | | 23 | 23 | \$958.00 | \$1,542.38 | \$300.05 | \$2,800.43 |
| Subtotal | 40 | 4 | 63 | 360 | 574 | 322 | 8 | 1,331 | | \$59,022.00 | \$95,025.42 | \$18,185.64 | \$172,533.11 |

| TASK DESCRIPTION | SHEET COUNT | Principal | Project Manager | Project Engineer | Designer | CADD Tech | Clerical | Total Labor | Hours per Sheet | Direct Labor | Overhead 161.00% | Fixed Fee 12% | Total Amount |
|--|-------------|-----------|-----------------|------------------|-----------|------------|----------|-------------|-----------------|----------------|--------------------|-------------------|--------------------|
| | | \$85.00 | \$80.00 | \$59.00 | \$37.00 | \$34.00 | \$27.00 | (Hours) | (Hours) | (Dollars) | (Dollars) | (Dollars) | (Dollars) |
| SIGNING AND MARKINGS FC160(162) | | | | | | | | | | | | | |
| 1. Sign & Pvm. Mark Layout (1"=100') | | | | | | | | | | | | | |
| Sign & Pvm. Mark Layout - Revise | 2 | | 1 | 2 | 4 | 8 | | 15 | 8 | \$618.00 | \$994.98 | \$193.56 | \$1,806.54 |
| Sign & Pvm. Mark Layout - New Sheets | 7 | | 8 | 24 | 42 | 64 | | 138 | 20 | \$5,786.00 | \$9,315.46 | \$1,812.18 | \$16,913.64 |
| 2. Small Sign Summary - Update | 1 | | 2 | 4 | 8 | 12 | | 26 | 26 | \$1,100.00 | \$1,771.00 | \$344.52 | \$3,215.52 |
| 3. Pavement Marking Summary | 1 | | 2 | 4 | 8 | 12 | | 26 | 26 | \$1,100.00 | \$1,771.00 | \$344.52 | \$3,215.52 |
| 4. Select and Prepare Signing and Pavement Marking Standard Sheets | 8 | | 2 | 4 | 4 | 4 | | 10 | 1 | \$532.00 | \$856.52 | \$166.62 | \$1,555.14 |
| Subtotal | 19 | 0 | 15 | 38 | 62 | 100 | 0 | 215 | | \$9,136 | \$14,708.96 | \$2,861.40 | \$26,706.36 |

| TASK DESCRIPTION | SHEET COUNT | Principal | Project Manager | Project Engineer | Designer | CADD Tech | Clerical | Total Labor | Hours per Sheet | Direct Labor | Overhead 161.00% | Fixed Fee 12% | Total Amount |
|--|-------------|-----------|-----------------|------------------|------------|------------|----------|-------------|-----------------|--------------------|--------------------|-------------------|--------------------|
| | | \$85.00 | \$80.00 | \$59.00 | \$37.00 | \$34.00 | \$27.00 | (Hours) | (Dollars) | (Dollars) | (Dollars) | (Dollars) | |
| MISCELLANEOUS ROADWAY FC160(163) | | | | | | | | | | | | | |
| A. General | | | | | | | | | | | | | |
| 1. Title Sheet and Index of Sheets | 2 | | 0 | 4 | 8 | 8 | | 20 | 10 | \$804.00 | \$1,294.44 | \$251.81 | \$2,350.25 |
| 2. Specifications & General Notes | 12 | | 12 | 12 | | | | 24 | 2 | \$1,668.00 | \$2,685.48 | \$522.42 | \$4,875.90 |
| B. Traffic Control Phasing | | | | | | | | | | | | | |
| 1. Sequence of Work - Revise | 1 | | 1 | 12 | | 2 | | 15 | 15 | \$856.00 | \$1,378.16 | \$268.10 | \$2,502.26 |
| 2. Advance Warning Signs - Revise | 1 | | 1 | 2 | 4 | 8 | | 15 | 15 | \$618.00 | \$994.98 | \$193.56 | \$1,806.54 |
| 3. Traffic Control Typical Section | | | | | | | | | | | | | |
| Traffic Control Typical Section - Revise | 2 | | 1 | 2 | 4 | 8 | | 15 | 8 | \$618.00 | \$994.98 | \$193.56 | \$1,806.54 |
| Traffic Control Typical Section - New | 1 | | 2 | 4 | 8 | 12 | | 26 | 26 | \$1,100.00 | \$1,771.00 | \$344.52 | \$3,215.52 |
| 4. TCP layout Sheets (1"=50') | | | | | | | | | | | | | |
| TCP Layout Phase - @ SH 60 - Revise | 2 | 2 | 2 | 4 | 16 | 24 | | 48 | 24 | \$1,974.00 | \$3,178.14 | \$618.26 | \$5,770.40 |
| TCP Layout Phase - @ US 59 - New Sheet | 1 | | 2 | 4 | 8 | 12 | | 26 | 26 | \$1,100.00 | \$1,771.00 | \$344.52 | \$3,215.52 |
| TCP Layout Phase - @ CR 231 - New Sheet | 2 | | 2 | 8 | 20 | 24 | | 54 | 27 | \$2,188.00 | \$3,522.68 | \$685.28 | \$6,395.96 |
| Detour - @ CR 231 - New Sheet | 1 | | 1 | 2 | 8 | 14 | | 25 | 25 | \$970.00 | \$1,561.70 | \$303.80 | \$2,835.50 |
| 3. Traffic Control Plan Quantities Summary | 1 | | 2 | 2 | 4 | 8 | | 16 | 16 | \$698.00 | \$1,123.78 | \$218.61 | \$2,040.39 |
| 4. Traffic Control Plan Standards - Update with Latest | 23 | | 2 | 2 | 78 | 12 | | 94 | 4 | \$3,572.00 | \$5,750.92 | \$1,118.75 | \$10,441.67 |
| C. Retaining Wall Layouts - Revise | | | | | | | | | | | | | |
| | 3 | | 4 | 8 | 16 | 24 | | 52 | 17 | \$2,200.00 | \$3,542.00 | \$689.04 | \$6,431.04 |
| D. RR Exhibit (Review & Update) | | | | | | | | | | | | | |
| | 2 | | 8 | 16 | | 16 | | 40 | 20 | \$2,128.00 | \$3,426.08 | \$666.49 | \$6,220.57 |
| E. Construction Cost Estimate | | | | | | | | | | | | | |
| | | | 2 | 8 | 16 | | | 26 | | \$1,224.00 | \$1,970.64 | \$383.36 | \$3,578.00 |
| F. Construction Time Estimate | | | | | | | | | | | | | |
| | | 8 | 12 | 12 | | | | 32 | | \$2,348.00 | \$3,780.28 | \$735.39 | \$6,863.67 |
| G. QA Review & Submission Preparation | | | | | | | | | | | | | |
| 1. 30% Submittal | | 1 | 3 | 8 | 8 | | | 20 | | \$1,093.00 | \$1,759.73 | \$342.33 | \$3,195.06 |
| 2. 60% Submittal | | 2 | 6 | 16 | 16 | | | 40 | | \$2,186.00 | \$3,519.46 | \$684.66 | \$6,390.12 |
| 3. 90% Submittal | | 2 | 6 | 16 | 16 | | | 40 | | \$2,186.00 | \$3,519.46 | \$684.66 | \$6,390.12 |
| 4. Final Submittal | | 2 | 6 | 16 | 16 | | | 40 | | \$2,186.00 | \$3,519.46 | \$684.66 | \$6,390.12 |
| Subtotal | 54 | 17 | 75 | 158 | 246 | 172 | 0 | 668 | | \$31,717.00 | \$51,064.37 | \$9,933.76 | \$92,715.13 |

| TASK DESCRIPTION | SHEET COUNT | Principal | Project Manager | Project Engineer | Designer | CADD Tech | Clerical | Total Labor | Hours per Sheet | Direct Labor | Overhead 161.00% | Fixed Fee 12% | Total Amount |
|---|-------------|-----------|-----------------|------------------|-----------|-----------|----------|-------------|-----------------|----------------|-------------------|-----------------|-------------------|
| | | \$85.00 | \$80.00 | \$59.00 | \$37.00 | \$34.00 | \$27.00 | (Hours) | (Dollars) | (Dollars) | (Dollars) | (Dollars) | |
| BRIDGE DESIGN FC160(170) | | | | | | | | | | | | | |
| A. Administer Bridge Contract | | | 4 | | | | 4 | 8 | | \$428.00 | \$689.08 | \$134.05 | \$1,251.13 |
| B. Coordinate Work with Bridge Consultant | | | 2 | 8 | | | | 10 | | \$632.00 | \$1,017.52 | \$197.94 | \$1,847.46 |
| C. Review Bridge Layouts and RR Exhibits | | | | 8 | 16 | | | 24 | | \$1,064.00 | \$1,713.04 | \$333.24 | \$3,110.28 |
| Subtotal | | 0 | 6 | 16 | 16 | 0 | 4 | 42 | | \$2,124 | \$3,419.64 | \$665.24 | \$6,208.88 |

| TASK DESCRIPTION | SHEET COUNT | Principal | Project Manager | Project Engineer | Designer | CADD Tech | Clerical | Total Labor | Hours per Sheet | Direct Labor | Overhead 161.00% | Fixed Fee 12% | Total Amount |
|--|-------------|------------|-----------------|------------------|--------------|--------------|-----------|--------------|-----------------|---------------------|---------------------|--------------------|---------------------|
| | | \$85.00 | \$80.00 | \$59.00 | \$37.00 | \$34.00 | \$27.00 | (Hours) | (Dollars) | (Dollars) | (Dollars) | (Dollars) | |
| PROJECT MANAGEMENT FC145(164) | | | | | | | | | | | | | |
| PROJECT MANAGEMENT & ADMINISTRATION | | | | | | | | | | | | | |
| Prepare Monthly Progress Reports & Invoices (8 months) | | 24 | 24 | 16 | | | 16 | 80 | | \$5,336.00 | \$8,590.96 | \$1,671.24 | \$15,598.20 |
| Develop/Maintain CPM Schedule | | | 8 | 16 | | | | 24 | | \$1,584.00 | \$2,550.24 | \$496.11 | \$4,630.35 |
| Meet on Schedule Basis | | | | | | | | | | | | | |
| TxDOT at Yoakum District (assume 2 meetings) (Includes Kickoff mtg) | | 16 | 16 | 16 | | | 16 | 64 | | \$4,016.00 | \$6,465.76 | \$1,257.81 | \$11,739.57 |
| Monthly Progress Meeting at TxDOT Wharton Area Office and City of Wharton (Assume 8 Mtgs)(Includes Utility Meetings) | | 32 | 64 | 64 | | | | 160 | | \$11,616.00 | \$18,701.76 | \$3,638.13 | \$33,955.89 |
| Subtotal | | 72 | 112 | 112 | 0 | 0 | 32 | 328 | | \$22,552.00 | \$36,308.72 | \$7,063.29 | \$65,924.01 |
| Total Labor | | 159 | 525 | 1,220 | 1,466 | 1,154 | 52 | 4,576 | | \$222,377.00 | \$358,026.97 | \$69,348.43 | \$650,052.45 |

| | Unit | Qty | Unit Cost | | | | | | | | | | |
|--|----------|------|-----------|--|--|--|--|--|--|--|--|--|-------------------|
| Direct Costs FC145(164) | | | | | | | | | | | | | |
| Deliveries (\$25 Ea) | Each | 10 | 25 | | | | | | | | | | \$250.00 |
| Mileage (200/Trip @ 12 trips) | Mi | 2400 | 0.580 | | | | | | | | | | \$1,392.00 |
| Outside Reproduction (40%, 75%, 90%, 100% Submissions) | Printing | 4 | 713 | | | | | | | | | | \$2,852.00 |
| Subtotal Direct Costs (FC 164) | | | | | | | | | | | | | \$4,494.00 |

TOTAL IDCUS COSTS **\$654,546.45**

**METHOD OF PAYMENT: LUMP SUM
GEOTECHNICAL INVESTIGATION**

PROJECT NAME: FM 102 Relocation

SUBCONSULTANT - HVJ Associates, Inc.

| TASK DESCRIPTION | PRINCIPAL | PROJECT MANAGER | SENIOR ENGINEER | PROJECT ENGINEER | EIT | CAD DRAFTER | CLERICAL | FIELD TECHNICIAN | | TOTAL LABOR HRS. & COSTS | NO OF DWGS | LABOR HRS PER SHEET |
|---|-----------|-----------------|-----------------|------------------|------------|-------------|----------|------------------|--------|--------------------------|------------|---------------------|
| ROUTE & DESIGN STUDIES FC102(110) | | | | | | | | | | | | |
| Stake Boreholes and Utility Clearance | | | | | | | | | | 0 | | |
| Drilling Coordination | | | | | | | | | | 0 | | |
| Logging | | | | | | | | | | 0 | | |
| Review Field Logs & Assign Laboratory Testing | | | | | | | | | | 0 | | |
| Laboratory Data Review | | | | | | | | | | 0 | | |
| Boring Logs Preparation | | | | | | | | | | 0 | | |
| Foundation Design Recommendations | | | | | | | | | | 0 | | |
| Addressing Comments | 2 | 4 | 4 | 8 | 10 | | | | | 28 | | |
| Final Report Preparation | 1 | 2 | 4 | 4 | 8 | | | | | 19 | | |
| Project Meetings | | 2 | 2 | | | | | | | 4 | | |
| 60% Review | | | | | | | | | | 0 | | |
| 90% Review | | | | | | | | | | 0 | | |
| | | | | | | | | | | 0 | | |
| SHEET TOTALS | | | | | | | | | | 0 | | |
| HOURS SUB-TOTALS | 3 | 8 | 10 | 12 | 18 | 0 | 0 | 0 | 0 | 51 | | |
| LABOR RATE PER HOUR | \$72.12 | \$55.29 | \$55.29 | \$36.06 | \$24.04 | \$21.02 | \$17.02 | \$15.50 | | | | |
| DIRECT LABOR COSTS | \$216.36 | \$442.32 | \$552.90 | \$432.72 | \$432.72 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$2,077.02 | | |
| MULTIPLIER (1+1.72)*1.1=2.992 | 2.992 | 2.992 | 2.992 | 2.992 | 2.992 | 2.992 | 2.992 | 2.992 | 2.992 | | | |
| TOTAL LABOR COSTS | \$647.35 | \$1,323.42 | \$1,654.28 | \$1,294.70 | \$1,294.70 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$6,214.44 | | |
| SUBTOTAL (FC 110) | | | | | | | | | | \$6,214.44 | | |
| | \$215.78 | \$165.43 | \$165.43 | \$107.89 | \$71.93 | \$62.89 | \$50.92 | \$46.38 | \$0.00 | | | |

| DESCRIPTION | | | | | | | | | TOTAL COSTS BY FC |
|-------------------------------------|--|--|--|--|--|--|--|--|-------------------|
| | | | | | | | | | |
| ROUTE AND DESIGN STUDIES FC102(110) | | | | | | | | | \$6,214.44 |
| SUBTOTAL LABOR EXPENSES | | | | | | | | | \$6,214.44 |
| | | | | | | | | | |
| TOTAL | | | | | | | | | \$6,214.44 |
| | | | | | | | | | |
| GRAND TOTAL | | | | | | | | | \$6,214.44 |

| SUMMARY | |
|------------------------------|-------------------|
| | |
| TOTAL LABOR COSTS | \$6,214.44 |
| NON-SALARY (DIRECT EXPENSES) | \$0.00 |
| SUBCONTRACTS | N/A |
| GRAND TOTAL | \$6,214.44 |

METHOD OF PAYMENT: LUMPSUM
PAVEMENT DESIGN

PROJECT NAME: FM 102 Relocation

SUBCONSULTANT - HVJ Associates, Inc.

| TASK DESCRIPTION | PRINCIPAL | PROJECT MANAGER | SENIOR ENGINEER | PROJECT ENGINEER | EIT | CAD DRAFTER | CLERICAL | FIELD TECHNICIAN | | TOTAL LABOR HRS. & COSTS | NO OF DWGS | LABOR HRS PER SHEET |
|--|-----------|-----------------|-----------------|------------------|----------|-------------|----------|------------------|--------|--------------------------|------------|---------------------|
| ROUTE & DESIGN STUDIES FC102(110) | | | | | | | | | | | | |
| Pavement Design Analysis | | 8 | | | 10 | | | | | 18 | | |
| | | | | | | | | | | 0 | | |
| | | | | | | | | | | 0 | | |
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| | | | | | | | | | | 0 | | |
| | | | | | | | | | | 0 | | |
| SHEET TOTALS | | | | | | | | | | | | |
| HOURS SUB-TOTALS | 0 | 8 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 18 | | |
| LABOR RATE PER HOUR | \$72.12 | \$55.29 | \$55.29 | \$36.06 | \$24.04 | \$21.02 | \$17.02 | \$15.50 | | | | |
| DIRECT LABOR COSTS | \$0.00 | \$442.32 | \$0.00 | \$0.00 | \$240.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$682.72 | | |
| MULTIPLIER (1+1.72)*1.1=2.992 | 2.992 | 2.992 | 2.992 | 2.992 | 2.992 | 2.992 | 2.992 | 2.992 | 2.992 | | | |
| TOTAL LABOR COSTS | \$0.00 | \$1,323.42 | \$0.00 | \$0.00 | \$719.28 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$2,042.70 | | |
| SUBTOTAL (FC 110) | | | | | | | | | | \$2,042.70 | | |

\$215.78 \$165.43 \$165.43 \$107.89 \$71.93 \$62.89 \$50.92 \$46.38 \$0.00

| DESCRIPTION | | | | | | | TOTAL COSTS BY FC |
|--|-----------------|-------------|-------------|--|--|--|-------------------|
| ROUTE AND DESIGN STUDIES FC102 (110) | | | | | | | \$2,042.70 |
| SUBTOTAL LABOR EXPENSES | | | | | | | \$2,042.70 |
| DIRECT EXPENSES | QUANTITY | RATE | UNIT | | | | |
| Field Exploration | | | | | | | |
| Mobilization / Demobilization | 0 | \$500.00 | Lumpsum | | | | \$0.00 |
| Soil Borings, Continous 3-in (0'-50') | 0 | \$18.00 | per ft | | | | \$0.00 |
| Soil Borings, Continous 3-in (50'-100') | 0 | \$20.00 | per ft | | | | \$0.00 |
| THD Cone Penetration Test | 0 | \$23.00 | each | | | | \$0.00 |
| Grouting of Completed Boring | 0 | \$5.00 | per ft | | | | \$0.00 |
| 3-Man Crew (driller, logger & helper) travel to/from job site, per day | 0 | \$120.00 | per hour | | | | \$0.00 |
| Concrete Coring 6" diameter (up to 12" thick) | 0 | \$16.00 | per inch | | | | \$0.00 |
| Piezometer Installation (2-in diameter maximum) | 0 | \$26.00 | per foot | | | | \$0.00 |
| Piezometer Manhole Cover (Steel) | 0 | \$120.00 | each | | | | \$0.00 |
| Piezometer Abandonment | 0 | \$450.00 | each | | | | \$0.00 |
| Permits, Traffic Control Plans & Other Coordination | 0 | \$10,000.00 | Lumpsum | | | | \$0.00 |
| Traffic Control Officer | 0 | \$35.00 | per hour | | | | \$0.00 |
| Traffic Control Signage | 0 | \$450.00 | per day | | | | \$0.00 |
| Vehicle Use | 0 | \$7.50 | per hour | | | | \$0.00 |
| Laboratory Testing | | | | | | | |
| Moisture Content | 0 | \$8.00 | each | | | | \$0.00 |
| Liquid and Plastic Limits | 0 | \$53.00 | each | | | | \$0.00 |
| Sieve Analysis | 0 | \$49.00 | each | | | | \$0.00 |
| Percent Passing No. 200 Sieve | 0 | \$41.00 | each | | | | \$0.00 |
| Hydrometer Gradation | 0 | \$110.00 | each | | | | \$0.00 |
| Unconfined Compression Strength | 0 | \$39.00 | each | | | | \$0.00 |
| Unconsolidated Undrained Strength | 0 | \$54.00 | each | | | | \$0.00 |
| One Dimensional Consolidation | 0 | \$310.00 | each | | | | \$0.00 |
| Consolidated Undrained Triaxial (w/ Pore Press.) | 0 | \$550.00 | each | | | | \$0.00 |
| Standard Proctor Test | 0 | \$150.00 | each | | | | \$0.00 |
| California Bearing Ratio (0 sets, 3-points each) | 0 | \$185.00 | each | | | | \$0.00 |
| SUBTOTAL DIRECT EXPENSES | | | | | | | \$0.00 |
| TOTAL | | | | | | | \$2,042.70 |
| GRAND TOTAL | | | | | | | \$2,042.70 |

| SUMMARY | |
|------------------------------|-------------------|
| TOTAL LABOR COSTS | \$2,042.70 |
| NON-SALARY (DIRECT EXPENSES) | \$0.00 |
| SUBCONTRACTS | N/A |
| GRAND TOTAL | \$2,042.70 |

Sub Provider Name: Jacobs

| TASK DESCRIPTION | PROJECT DIRECTOR | PROJECT MANAGER | STRUCTURAL ENGINEER | DESIGN ENGINEER | ASSISTANT DESIGN ENGINEER | SENIOR CADD DESIGNER | CLERICAL | TOTAL LABOR HRS. & COSTS |
|--|------------------|-------------------|---------------------|-------------------|---------------------------|----------------------|-------------------|--------------------------|
| I. PROJECT MANAGEMENT AND ADMINISTRATION FC145(164) | | | | | | | | |
| A. Project Management and Coordination with IDC | | 15 | | 15 | | | 10 | 40 |
| B. Project Administration | | 15 | | 15 | | | 10 | 40 |
| | | | | | | | | |
| TOTAL MANHOURS | 0 | 30 | 0 | 30 | 0 | 0 | 20 | 80 |
| % DISTRIBUTION OF STAFFING | 0.00% | 200.00% | 0.00% | 200.00% | 0.00% | 0.00% | 133.33% | |
| RAW RATE PER HOUR | \$ 85.00 | \$ 75.00 | \$ 66.00 | \$ 38.00 | \$ 36.00 | \$ 23.00 | \$ 24.00 | |
| DIRECT SALARY | \$0.00 | \$2,250.00 | \$0.00 | \$1,140.00 | \$0.00 | \$0.00 | \$480.00 | \$3,870.00 |
| 123.26 % OVERHEAD | \$0.00 | \$2,773.35 | \$0.00 | \$1,405.16 | \$0.00 | \$0.00 | \$591.65 | \$4,770.16 |
| 12% PROFIT | \$0.00 | \$602.80 | \$0.00 | \$305.42 | \$0.00 | \$0.00 | \$128.60 | \$1,036.82 |
| TOTAL LABOR COST (INCL. OH & Profit) | \$0.00 | \$5,626.15 | \$0.00 | \$2,850.58 | \$0.00 | \$0.00 | \$1,200.25 | \$9,676.98 |

| TASK DESCRIPTION | PROJECT DIRECTOR | PROJECT MANAGER | STRUCTURAL ENGINEER | DESIGN ENGINEER | ASSISTANT DESIGN ENGINEER | SENIOR CADD DESIGNER | CLERICAL | TOTAL LABOR HRS. & COSTS |
|---|-------------------|-------------------|---------------------|-------------------|---------------------------|----------------------|---------------|--------------------------|
| II. BRIDGE DESIGN 160(170) | | | | | | | | |
| A. Prepare Structural Details (Bents, Spans, Abutments, etc.) | | 8 | 28 | 26 | 35 | | | 97 |
| B. Prepare Bridge Layout (KCS RR) & Boring Logs | | 2 | 4 | 9 | 16 | 34 | | 65 |
| C. Foundation Design | | | 4 | 6 | 9 | 12 | | 31 |
| D. Bridge Quantities and Cost Estimates | | 2 | 4 | | 4 | 2 | | 12 |
| E. Bearing Seat Elevations | | | | 2 | 2 | 2 | | 6 |
| F. Geometric Calculations | | | | 2 | 4 | 2 | | 8 |
| G. Framing Plan | | | | 2 | 2 | 1 | | 5 |
| H. Bridge Standard Drawings | | | | 1 | | 4 | | 5 |
| I. Railroad Exhibit "A" (Assume minor changes) | | 2 | 3 | 9 | 12 | 30 | | 56 |
| J. Aesthetic Recommendations | | | | | | | | 0 |
| K. Coordinate with KCS RR (Assume travel not required for meetings) | | 4 | | | | | | 4 |
| | | | | | | | | 0 |
| III. QA/QC FC160(170) | | | | | | | | 0 |
| Quality Assurance Review of Submittals | 40 | | | | | | | 40 |
| | | | | | | | | 0 |
| TOTAL MANHOURS | 40 | 18 | 43 | 57 | 84 | 87 | 0 | 329 |
| % DISTRIBUTION OF STAFFING | 12.16% | 5.47% | 13.07% | 17.33% | 25.53% | 26.44% | 0.00% | |
| RAW RATE PER HOUR | \$ 85.00 | \$ 75.00 | \$ 66.00 | \$ 38.00 | \$ 36.00 | \$ 23.00 | \$ 24.00 | |
| DIRECT SALARY | \$3,400.00 | \$1,350.00 | \$2,838.00 | \$2,166.00 | \$3,024.00 | \$2,001.00 | \$0.00 | \$14,779.00 |
| 123.26 % OVERHEAD | \$4,190.84 | \$1,664.01 | \$3,498.12 | \$2,669.81 | \$3,727.38 | \$2,466.43 | \$0.00 | \$18,216.60 |
| 12% PROFIT | \$910.90 | \$361.68 | \$760.33 | \$580.30 | \$810.17 | \$536.09 | \$0.00 | \$3,959.47 |
| TOTAL LABOR COST (INCL. OH & PROFIT) | \$8,501.74 | \$3,375.69 | \$7,096.45 | \$5,416.11 | \$7,561.55 | \$5,003.52 | \$0.00 | \$36,955.07 |

| DIRECT EXPENSES FC145 (164) | Unit | Quantity | Rate | | | | | Total Cost |
|--|-------------|-----------------|-------------|--|--|--|--|-------------------|
| Mileage (2 Visits, 340 miles round trip) | Mi | 680 | \$0.580 | | | | | \$394.40 |
| BW Photocopies 8.5" X 11" | ea | 0 | \$0.15 | | | | | \$0.00 |
| BW Photocopies 11" X 17" | ea | 116 | \$0.20 | | | | | \$23.20 |
| Mylar Drawings 11" X 17" | ea | 58 | \$2.50 | | | | | \$145.00 |
| Postage & Delivery | LS | 1 | \$250.00 | | | | | \$250.00 |
| | | | | | | | | |
| TOTAL DIRECT EXPENSES | | | | | | | | \$812.60 |

| SUMMARY | |
|--|--------------------|
| TOTAL HOURS | 409 |
| I. PROJECT MANAGEMENT AND ADMINISTRATION (FC 164) | \$9,676.98 |
| II. BRIDGE DESIGN FC160(FC 170) & III. QA/QC FC160 (170) | \$36,955.07 |
| DIRECT EXPENSES (164) | \$812.60 |
| GRAND TOTAL | \$47,444.65 |

HUITT-ZOLLARS
PROJECT BUDGET WORKSHEET - Houston 2019

Client: IDCUS
 Project Name: TXDOT FM 1301 Wharton County, Texas
 Contract No.:
 Project No.:

Project Number:
 Project Template:
 Labor Code Schedule: H017

| | | | | | | | |
|------------------------|--------------------|-----------------|--------------------|----------------------|-------------------------|-------------------------|-----------------------|
| HZ LABOR BUDGET | Phase Number | 1 | 2 | 3 | | RMB | |
| | Phase Description | | | | | | Reimbursable Expenses |
| | Task Number | 1 | 2 | 3 | | | |
| | Task Description | Project Control | Topographic Survey | Right-of-Way Mapping | 2.2 Acre Detention Area | 4.5 Acre Detention Area | |
| | Phase/Task Manager | LOVE | LOVE | | | | |
| | Lump Sum or Hourly | LS | LS | LS | | | |

| Labor Code | Labor Classification | Hourly Rate | Column Total | | Column Total | | Column Total | | TOTAL HOURS | TOTAL BUDGET |
|--|--------------------------|-------------|--------------|-------------|--------------|-------------|--------------|-----------|--------------------|---------------|
| | | | \$ | 16,550.00 | \$ | 6,960.00 | \$ | 66,600.00 | | |
| PIC | Principal-In-Charge | \$ 240.00 | | | | | | | 0 | \$ - |
| DPX | Design Principal | \$ 210.00 | | | | | | | 0 | \$ - |
| SPM | Sr. Project Manager | \$ 205.00 | | | | | | | 0 | \$ - |
| SMR | Survey Manager | \$ 165.00 | 10 | 4 | 60 | 4 | 4 | 82 | \$ 13,530.00 | |
| SPS | Sr. Project Surveyor | \$ 155.00 | 20 | 8 | 130 | 8 | 8 | 174 | \$ 26,970.00 | |
| PSX | Project Surveyor | \$ 135.00 | 40 | 16 | 200 | 16 | 16 | 288 | \$ 38,880.00 | |
| SIX | Surveyor Intern | \$ 110.00 | | | | | | | 0 | \$ - |
| STX | Survey Technician | \$ 130.00 | | | | | | | 0 | \$ - |
| SC1 | 1-Person Survey Crew | \$ 100.00 | | | | | | | 0 | \$ - |
| SC2 | 2-Person Survey Crew | \$ 145.00 | 40 | 20 | 160 | 10 | 10 | 240 | \$ 34,800.00 | |
| SM2 | 2-Person Survey Member | \$ - | | | | | | | 0 | \$ - |
| SC3 | 3-Person Survey Crew | \$ 175.00 | | | | | | | 0 | \$ - |
| | Drone Flights | \$ 380.00 | | | | | | | \$ | - |
| | Processing PIX4D | \$ 150.00 | | | | | | | \$ | - |
| | Processing Global Mapper | \$ 135.00 | | | | | | | \$ | - |
| SM3 | 3-Person Survey Member | \$ - | | | | | | | 0 | \$ - |
| PRO | Project Support | \$ 75.00 | 8 | | | | | | 8 | \$ 600.00 |
| Total Manhours per Phase/Task | | | 118 | 48 | 550 | 38 | 38 | | 792 | |
| HZ Labor per Phase/Task | | | \$ 16,550.00 | \$ 6,960.00 | \$ 80,250.00 | \$ 5,510.00 | \$ 5,510.00 | | HZ Labor | \$ 114,780.00 |
| Sales tax 0.0825 | | | | | | | | | \$ | - |
| Direct Expenses (Distribute among Phases/Tasks as applicable) | | | \$ - | \$ - | | | | | Direct Expenses | \$ - |
| Direct Consultants (Distribute among Phases/Tasks as applicable) | | | \$ - | \$ - | | | | | Direct Consultants | \$ - |
| Travel RMB Expenses | | | | | | | | | RMB Expenses | \$ - |
| Deed Research RMB Expenses | | | | | 2000 | | | | RMB Expenses | \$ 2,000.00 |
| RMB Consultants (Distribute among Phases/Tasks as applicable) | | | | | | | | | RMB Consultants | \$ - |
| Total Fee per Phase/Task | | | \$ 16,550.00 | \$ 6,960.00 | \$ 82,250.00 | \$ 5,510.00 | \$ 5,510.00 | \$ - | CONTRACT SUM | \$ 116,780.00 |

Sub Provider Name: WSP

| TASK DESCRIPTION | QUALITY MANAGER | PROJECT MANAGER | ENGINEER IN | ADMIN/ CLERICAL | TOTAL LABOR HRS. & COSTS | TOTAL TASK LABOR COST |
|---|--------------------|--------------------|----------------|--------------------|--------------------------------|-----------------------------|
| FC 145(164) - PROJECT MANAGEMENT | | | | | | |
| Project Management | | 12 | | | 12 | \$ 2,082.36 |
| Contract Set up | | 2 | | 6 | 8 | \$ 937.58 |
| Site Visit | | 4 | | | 4 | \$ 694.12 |
| HOURS SUB-TOTALS | 0 | 18 | 0 | 6 | 24 | |
| TOTAL LABOR COSTS | \$0.00 | \$3,123.54 | \$0.00 | \$590.52 | | \$3,714.06 |
| FC 160(162) - ROADWAY DESIGN | | | | | | |
| 162.3 TRAFFIC WARRANT STUDIES | | | | | | |
| Signal Warrant Report | 4 | 8 | 28 | | 40 | \$ 4,838.12 |
| 162.4 TRAFFIC SIGNALS | | | | | | |
| 95% Submittal | 4 | 4 | 30 | | 38 | \$ 4,340.84 |
| 100% (Sealed Submittal) | 4 | 4 | 28 | | 36 | \$ 4,144.00 |
| HOURS SUB-TOTALS | 12 | 16 | 86 | 0 | 114 | |
| TOTAL LABOR COSTS | \$2,082.36 | \$2,776.48 | \$8,464.12 | \$0.00 | | \$13,322.96 |
| FC 160(163) - ROADWAY DESIGN | | | | | | |
| 163.4 ILLUMINATION | | | | | | |
| 95% Submittal | 4 | 4 | 30 | | 38 | \$ 4,340.84 |
| 100% (Sealed Submittal) | 4 | 4 | 28 | | 36 | \$ 4,144.00 |
| HOURS SUB-TOTALS | 8 | 8 | 58 | 0 | 74 | |
| TOTAL LABOR COSTS | \$1,388.24 | \$1,388.24 | \$5,708.36 | \$0.00 | | \$8,484.84 |
| CONTRACT RATE PER HOUR | \$173.53 | \$173.53 | \$98.42 | \$98.42 | | |
| TOTAL LABOR COSTS | \$3,470.60 | \$7,288.26 | \$14,172.48 | \$590.52 | 212 | |
| HOURS TOTAL | 20 | 42 | 144 | 6 | | |
| % DISTRIBUTION OF STAFFING | 9.4% | 19.8% | 67.9% | 2.8% | | |
| TOTAL | | | | | | \$25,521.86 |

| OTHER DIRECT EXPENSES | UNIT | RATE | QUANTITY | TOTAL |
|---------------------------------|------|----------|----------|-----------------|
| REPRODUCTION | | | | |
| Photocopies B/W (11" X 17") | each | \$ 0.20 | 100 | \$20.00 |
| Photocopies B/W (8 1/2" X 11") | each | \$ 0.10 | 100 | \$10.00 |
| TRAVEL | | | | |
| Mileage | mile | \$ 0.575 | 225 | \$129.38 |
| SUBTOTAL DIRECT EXPENSES | | | 100 | \$159.38 |

| SUMMARY | |
|------------------------------------|---------------------|
| TOTAL LABOR COSTS | \$25,521.86 |
| NON-SALARY (OTHER DIRECT EXPENSES) | \$159.38 |
| GRAND TOTAL | \$ 25,681.24 |

**ADDITIONAL SERVICES CONTRACT
PLANS, SPECIFICATIONS AND ESTIMATE
FM 1301 Extension from SH 60 to US 59 in Wharton County**

IDCUS, INC. (Construction Support Service)

| TASK DESCRIPTION | Principal | Project Manager | Project Engineer | Designer | CADD Tech | Clerical | Total Labor | Direct Labor | Overhead 161.00% | Fixed Fee 12% | Total Amount |
|---|-----------|-----------------|------------------|----------|-----------|----------|-------------|-----------------|------------------|----------------|-----------------|
| | \$70 | \$64 | \$55 | \$32 | \$28 | \$24 | (Hours) | (Dollars) | (Dollars) | (Dollars) | (Dollars) |
| CONSTRUCTION PHASE SERVICES FC160(309) | | | | | | | | | | | |
| 1 Attend preconstruction meeting | | 6 | 6 | 14 | 16 | | 42 | \$1,610.00 | \$2,592 | \$504 | \$4,706 |
| 2. Attend Meetings and Visits r\to Sites | | 4 | 2 | 8 | 8 | | 22 | \$846.00 | \$1,362 | \$265 | \$2,473 |
| 3. Schematic Layout - Revise | | 4 | 8 | 16 | 24 | 16 | 68 | \$2,264.00 | \$3,645 | \$709 | \$6,618 |
| 4. Review and Approval of Shop Drawings | | 4 | 20 | 32 | | | 56 | \$2,380.00 | \$3,832 | \$745 | \$6,957 |
| 5 Review and approve Forming Details | | 8 | 24 | 40 | | | 72 | \$3,112.00 | \$5,010 | \$975 | \$9,097 |
| 6 Respond to RFIs | | 4 | 40 | 24 | | | 68 | \$3,224.00 | \$5,191 | \$1,010 | \$9,424 |
| 7 Provide minor redesign | | 4 | 24 | 40 | | | 68 | \$2,856.00 | \$4,598 | \$894 | \$8,349 |
| 8 Answer general questions | | 2 | 8 | | | | 10 | \$568.00 | \$914 | \$178 | \$1,660 |
| 9 Provide clarification | | 8 | 24 | | | | 32 | \$1,832.00 | \$2,950 | \$574 | \$5,355 |
| Subtotal | | | | | | | 438 | \$18,692 | \$30,094 | \$5,854 | \$54,640 |

| | Unit | Qty | Unit Cost | |
|--------------------------------|------|------|-----------|-------------------|
| Direct Costs FC160(309) | | | | |
| Mileage (450/Trip @ 13 trips) | Mi | 5850 | 0.580 | \$3,393.00 |
| Total Direct Costs | | | | \$3,393.00 |

Sub Provider Name: Jacobs

| TASK DESCRIPTION | PROJECT DIRECTOR | PROJECT MANAGER | STRUCTURAL ENGINEER | DESIGN ENGINEER | ASSISTANT DESIGN ENGINEER | SENIOR CADD DESIGNER | CLERICAL | TOTAL LABOR HRS. & COSTS |
|--|------------------|-------------------|---------------------|-------------------|---------------------------|----------------------|----------------|--------------------------|
| IV. CONSTRUCTION SUPPORT SERVICES FC160(309) | | | | | | | | |
| | | | | | | | | 0 |
| Progress Meetings and Site Visits (2 Mtgs + 2 Visits, 3hr ea) | | 6 | 6 | 6 | | | | 18 |
| Submittal Review (Girders and Brgn Pads)(Assume single Review on a single Submittal) | | 2 | 4 | 12 | 12 | | | 30 |
| Requests for Information (Assume 4 RFIs, 3 Hours per RFI) | | 2 | 6 | 4 | | | | 12 |
| | | | | | | | | |
| | | | | | | | | |
| TOTAL MANHOURS | 0 | 10 | 16 | 22 | 12 | 0 | 0 | 60 |
| % DISTRIBUTION OF STAFFING | 0.00% | 16.67% | 26.67% | 36.67% | 20.00% | 0.00% | 0.00% | |
| RAW RATE PER HOUR | \$85.00 | \$75.00 | \$66.00 | \$38.00 | \$36.00 | \$23.00 | \$24.00 | |
| DIRECT SALARY | \$0.00 | \$750.00 | \$1,056.00 | \$836.00 | \$432.00 | \$0.00 | \$0.00 | \$3,074.00 |
| 123.26 % OVERHEAD | \$0.00 | \$924.45 | \$1,301.63 | \$1,030.45 | \$532.48 | \$0.00 | \$0.00 | \$3,789.01 |
| 12% PROFIT | \$0.00 | \$200.93 | \$282.92 | \$223.97 | \$115.74 | \$0.00 | \$0.00 | \$823.56 |
| TOTAL LABOR COST (INCL. OH & PROFIT) | \$0.00 | \$1,875.38 | \$2,640.54 | \$2,090.43 | \$1,080.22 | \$0.00 | \$0.00 | \$7,686.57 |

| SUMMARY | |
|--|-------------------|
| TOTAL HOURS | 60 |
| IV. CONSTRUCTION SUPPORT SERVICES FC160(309) | \$7,686.57 |
| GRAND TOTAL | \$7,686.57 |

Sub Provider Name: WSP

| TASK DESCRIPTION | QUALITY | PROJECT | ENGINEER | ADMIN/ | TOTAL | TOTAL |
|---|----------|------------|------------|----------|------------|-------------------|
| | MANAGER | MANAGER | IN | CLERICAL | LABOR HRS. | TASK LABOR |
| | | | TRAINING | | & COSTS | COST |
| FC160(309) - POST DESIGN SUPPORT | | | | | | |
| Shop Drawing Review | 2 | 7 | 8 | 3 | 20 | \$ 2,644.39 |
| Request For Information (RFI) | 2 | 7 | 8 | | 17 | \$ 2,349.13 |
| HOURS SUB-TOTALS | 4 | 14 | 16 | 3 | 37 | |
| TOTAL LABOR COSTS | \$694.12 | \$2,429.42 | \$1,574.72 | \$295.26 | | \$4,993.52 |
| CONTRACT RATE PER HOUR | \$173.53 | \$173.53 | \$98.42 | \$98.42 | | |
| TOTAL LABOR COSTS | \$694.12 | \$2,429.42 | \$1,574.72 | \$295.26 | 37 | |
| HOURS TOTAL | 4 | 14 | 16 | 3 | | |
| % DISTRIBUTION OF STAFFING | 10.8% | 37.8% | 43.2% | 8.1% | | |
| TOTAL | | | | | | \$4,993.52 |

| OTHER DIRECT EXPENSES | UNIT | RATE | QUANTITY | TOTAL |
|---------------------------------|------|---------|----------|---------------|
| <i>REPRODUCTION</i> | | | | |
| Photocopies B/W (11" X 17") | each | \$ 0.20 | 21 | \$4.20 |
| Photocopies B/W (8 1/2" X 11") | each | \$ 0.10 | 21 | \$2.10 |
| SUBTOTAL DIRECT EXPENSES | | | 100 | \$6.30 |

| SUMMARY | |
|------------------------------------|--------------------|
| TOTAL LABOR COSTS | \$4,993.52 |
| NON-SALARY (OTHER DIRECT EXPENSES) | \$6.30 |
| GRAND TOTAL | \$ 4,999.82 |

**CITY OF WHARTON
RESOLUTION NO. 2020 - XX**

A RESOLUTION OF THE WHARTON CITY COUNCIL AMENDING THE AGREEMENT WITH IDC INC. FOR ENGINEERING SERVICES FOR THE FM 102 RELOCATION OR FM 1301 TO HWY. 59 EXPANSION AND OVERPASS PROJECT AND AUTHORIZING THE MAYOR OF THE CITY OF WHARTON TO EXECUTE THE AGREEMENT.

WHEREAS, On April 25, 2011, the Wharton City Council entered into an agreement with IDC Inc. for engineering services for the FM 102 Relocation or FM 1301 to Hwy. 59 Expansion and Overpass Project; and,

WHEREAS, On June 22, 2020 the Wharton City Council considered an amendment to the agreement with IDC Inc. for engineering services for the FM 102 Relocation or FM 1301 to Hwy. 59 Expansion and Overpass Project; and,

WHEREAS, The City of Wharton and IDCUS wishes to be bound by the conditions as set forth in the agreement; and,

WHEREAS, The Wharton City Council wishes to authorize the Mayor of the City of Wharton to execute said contract amendment.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WHARTON, TEXAS as follows:

Section I. The Wharton City Council hereby authorizes the Mayor of the City of Wharton to execute the amended agreement with IDCUS for engineering services for the FM 102 Relocation or FM 1301 to Hwy. 59 Expansion and Overpass Project.

Section II. The City of Wharton and IDCUS are hereby bound by the conditions as set forth in the contract amendment.

Section III. That this resolution shall become effective immediately upon its passage.

PASSED, APPROVED, and ADOPTED this 13th day of July 2020.

CITY OF WHARTON, TEXAS

By: _____
TIM BARKER
Mayor

ATTEST:

PAULA FAVORS
City Secretary