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FIRST AMENDMENT TO AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES

(Isani Consultants, LP – SOQ 14-025)

THIS FIRST AMENDMENT ("First Amendment") is entered into by and between Fort Bend County, Texas ("County"), a political subdivision of the state of Texas, and Isani Consultants, LP ("Consultant"), a company authorized to conduct business in the State of Texas. County and Consultant are hereinafter collectively referred to as the "Parties" and each individually a "Party."

WHEREAS, the Parties previously entered into that certain agreement on October 13, 2020 (the “Agreement”) for Professional Engineering Services for the West Sycamore Road, Segment 3 Project No. 17123x under the Fort Bend County Mobility Program pursuant to SOQ 14-025; and

WHEREAS, by execution of this First Amendment, the Parties desire to amend the Agreement to provide for additional services by Isani Consultants, to increase the total Maximum Compensation for the completion of such services, to extend the Time of Performance, and to otherwise ratify and confirm all the terms and conditions as set forth therein.

NOW, THEREFORE, in consideration of the foregoing, the Parties do mutually agree that the Agreement between the Parties is hereby amended as follows:

1. **Scope of Services.** County shall pay Consultant an additional One Hundred Fifty Nine Thousand, Nine Hundred Sixty-Four Dollars and 94/100 (\$159,964.94) for the performance and completion of additional services as described in Consultant's Proposal for Professional Services, dated October 13, 2023, (the "Services") attached hereto as Exhibit "A-1" and incorporated by reference for all intents and purposes.
2. **Limit of Appropriation.** Consultant understands and agrees that the Maximum Compensation payable to Consultant for Services rendered under this Agreement is hereby increased to an amount not to exceed Nine Hundred Forty-One Thousand, Four Hundred Seventy-Nine Dollars and 06/100 (\$941,479.06) authorized as follows:

\$781,514.12 under the Agreement
\$159,964.94 under this First Amendment

In no event shall the amount paid by County under this Agreement exceed the Maximum Compensation without a County approved change order. Consultant clearly understands and agrees, such understanding and agreement being of the absolute essence of this Agreement, that County shall have available the total maximum sum of Nine Hundred Forty-One Thousand, Four Hundred Seventy-Nine Dollars and 06/100 (\$941,479.06) specifically allocated to fully discharge any and all liabilities County may incur under the Agreement.

Consultant does further understand and agree, said understanding and agreement also being of the absolute essence of the Agreement, that the total Maximum Compensation that Consultant may become entitled to and the total maximum sum that County may become liable to pay to Consultant under the Agreement shall not under any conditions, circumstances, or interpretations thereof exceed Nine Hundred Forty-One Thousand, Four Hundred Seventy-Nine Dollars and 06/100 (\$941,479.06).

3. **Time of Performance.** The Time of Performance under the Agreement is hereby extended to end no later than December 31, 2026.
4. **Certain State Law Requirements for Contracts.** The contents of this Section are required by Texas law and are included by County regardless of content For purposes of Sections 2252.152, 2271.002, and 2274.002, Texas Government Code, as amended, Consultant hereby verifies that Consultant and any parent company, wholly owned subsidiary, majority-owned subsidiary, and affiliate:
 - A. Unless affirmatively declared by the United States government to be excluded from its federal sanctions regime relating to Sudan or Iran or any federal sanctions regime relating to a foreign terrorist organization, is not identified on a list prepared and maintained by the Texas Comptroller of Public Accounts under Section 806.051, 807.051, or 2252.153 of the Texas Government Code.
 - B. If employing ten (10) or more full-time employees and this Agreement has a value of \$100,000.00 or more, Consultant does not boycott Israel and is authorized to agree in such contracts not to boycott Israel during the term of such contracts. "Boycott Israel" has the meaning provided in § 808.001 of the Texas Government Code.
 - C. If employing ten (10) or more full-time employees and this Agreement has a value of \$100,000.00 or more, Consultant does not boycott energy companies and is authorized to agree in such contracts not to boycott energy companies during the term of such contracts. "Boycott energy company" has the meaning provided in § 809.001 of the Texas Government Code.
 - D. If employing ten (10) or more full-time employees and this Agreement has a value of \$100,000.00 or more, Consultant does not have a practice, policy, guidance, or

directive that discriminates against a firearm entity or firearm trade association and is authorized to agree in such contracts not to discriminate against a firearm entity or firearm trade association during the term of such contracts. "Discriminate against a firearm entity or firearm trade association" has the meaning provided in § 2274.001(3) of the Texas Government Code. "Firearm entity" and "firearm trade association" have the meanings provided in § 2274.001(6) and (7) of the Texas Government Code.

5. **Recitals.** The recitals set forth above are incorporated herein by reference and made a part of the Agreement.
6. **Human Trafficking.** BY ACCEPTANCE OF THIS AGREEMENT, CONSULTANT ACKNOWLEDGES THAT FORT BEND COUNTY IS OPPOSED TO HUMAN TRAFFICKING AND THAT NO COUNTY FUNDS WILL BE USED IN SUPPORT OF SERVICES OR ACTIVITIES THAT VIOLATE HUMAN TRAFFICKING LAWS.
7. **Modifications and Conflict.** Except as modified herein, the Agreement shall remain in full force and effect and has not been otherwise modified or amended. If there is a conflict among documents that make up the Agreement, this First Amendment shall prevail with regard to the conflict.

{EXECUTION PAGE FOLLOWS}

IN WITNESS WHEREOF, the parties hereto have signed or have caused their respective names to be signed to multiple counterparts to be effective on the date signed by County.

FORT BEND COUNTY, TEXAS

ISANI CONSULTANTS, LP

KP George, County Judge

Bobby V. P. Singh

Authorized Agent – Signature

Date

Bobby V. P. Singh

Authorized Agent- Printed Name

ATTEST:

Principal

Title

12/14/23

Date

Laura Richard, County Clerk

APPROVED:

J. Stacy Slawinski

J. Stacy Slawinski, P.E., County Engineer

AUDITOR'S CERTIFICATE

I hereby certify that funds are available in the amount of \$_____ to accomplish and pay the obligation of Fort Bend County, Texas under this Agreement.

Robert E. Sturdivant,
County Auditor

Exhibit A: Consultant's Proposal for Professional Services, dated October 13, 2023

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Exhibit A



civil \ design \ engineers

October 13, 2023

Mr. Kevin Mineo
Managing Director- Transportation
Binkley & Barfield | DCCM
1710 Seamist Drive
Houston, TX 77008

Subject: **West Sycamore Road – Segment 3 from South Post Oak Boulevard to FM 521, Fort Bend County, Precinct 2**
Proposal for Professional Services

Mr. Mineo,

Isani Consultants, LP is pleased to submit the proposal for the change in scope for the **Preliminary (Drainage) & Final Design Phase** for the above referenced project. The following documents are attached herewith:

- **Exhibit A:** Scope of Services (Preliminary & Final Design)
- **Exhibit B:** Compensation for Professional Services
- **Exhibit C:** 2023 Billing Rate Schedule

The total proposed fee for professional engineering and additional services including traffic signal design will be **\$159,964.94**. Fee for any other services including Construction Phase Services will be provided, if required.

Please review and let us know if you have any comments or clarifications regarding the scope of services submitted.

Please contact me if you have any questions or need additional supporting information regarding this request.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Murthy Made'.

Murthy Made, P.E., PMP, ENV SP
Project Manager
Isani Consultants, LP

October 13, 2023

“EXHIBIT A” – Scope of Services

West Sycamore Road Segment 3– South Post Oak Boulevard to FM 521

FBC Project # 17123x, Precinct 2

Fort Bend County has requested a proposal for the change in scope in the **Preliminary (Drainage) and final Design Phase Services** to change an existing 2-lane asphalt undivided roadway (with roadside ditches) to a 3-lane concrete curb & gutter section with a center two-way left turn lane, storm sewers, drainage outfalls, 5-foot sidewalk, modification to the existing traffic signal and all necessary appurtenances.

PROJECT LIMITS AND DETAILS:

1. The West Sycamore Road project will begin at the intersection of West Sycamore Road and South Post Oak Boulevard and end at the intersection of West Sycamore Road and FM 521. The Existing ROW for the project limits varies from 40 feet to 100 feet. The proposed ROW is to be acquired to be 100 feet within the project limits and evaluated based on the drainage needs.
2. The road will be widened to accommodate a 3-lane concrete curb & gutter section, with a center two-way left turn lane. There will be a 5-foot sidewalk located on the north side of West Sycamore for the limits shown above. The existing ditches north and south of the existing roadway will be replaced with a storm sewer system.
3. The project area consists of the Union Pacific Railroad crossing between Kansas Street and FM 521.
4. The project has an existing signalized intersection at West Sycamore Road and FM 521 which will be modified per the new geometry of the intersection and to current standards.

PROJECT SCOPE

GENERAL:

1. Coordination with Geotechnical, Survey, and Traffic consultants for the project will be performed during the Design Phase.
2. Coordination with Union Pacific Railroad (UPRR) for road crossing and for their portion of work on Railroad mat and control arm installation. All permitting fees (not known at this time) shall be reimbursable to Isani.

3. TxDOT Coordination and permitting for the project at the intersection of West Sycamore and FM 521 will be performed during the Design Phase.
4. Coordination with Adjacent project consultants will be performed during the Design Phase.

DRAINAGE (HYDROLOGY & HYDRAULIC ANALYSIS):

The following Hydraulic and Hydrologic support services will be performed during the preliminary design phase.

The scope of services includes the following tasks:

1. Review of data, including survey, previous drainage study and other information.
2. Review and update existing drainage area delineation and peak flow calculations.
3. Review and update the proposed drainage areas and peak flow calculations.

TRAFFIC SIGNALS (KBH Traffic Engineering, LLC):

The existing signalized intersection at West Sycamore Road and FM 521 will be modified as per the Proposed Geometry for the intersection.

Modifications may include proposed locations for traffic signal poles, pedestrian signals and push buttons, vehicular detection, etc.

FINAL DESIGN PHASE

The Design Phase of the project shall consist of the preparation of completely approved construction documents that reflect the Preliminary Engineering Report recommendations accepted by Fort Bend County. The Design shall build upon the framework identified in the Preliminary Engineering Phase and include roadway design, profiles, drainage system and appurtenances, details, and bid documents necessary for a complete design review. The submittal milestones for Fort Bend County shall follow the project schedule as shown in the “Exhibit C”.

A meeting will be held in order to discuss the traffic control and provide the following preliminary documents for communicating the significant construction traffic control concepts and to enable review and discussion at the meeting: phasing overview drawing (roll plots), typical cross-section(s) for each major phase and preliminary traffic control detail plans showing the temporary transitions at the ends of the project. Also, provide preliminary traffic control detail plans for intersections with

West Sycamore Road Segment 3 – South Post Boulevard to FM 521, Precinct 1

Proposal for Professional Engineering Services | Proposal No. 17123x

October 13, 2023

Page 3 of 5

existing traffic signal control and, if off-site detours are anticipated, a detour concept sketch.

The Design Submittal shall address all comments from the design phase milestone submittals, and the construction review meetings. The Design Submittal shall include the submittal of the 11"x17" construction ready Plans, Specifications and Cost Estimate (PS&E). The submittal milestones will be 70%, 95%, and 100%.

The design phase shall also include the preparation of the Exhibits and Utility Conflict list and coordination with utility companies.

The design phase shall also include the coordination of utilities. The coordination shall include, but not be limited to:

- Depict utilities to a reasonable degree of accuracy on the plan and profile drawings.
- Utility Conflict Table to be updated during the Final Design phase as required. Refer to Appendix C, Fort Bend County Utility Conflict Table template.
- Submit milestone-level drawings to applicable utility companies for their review.
- TxDOT Coordination and permitting for the project at the intersection of West Sycamore and FM 521.
- Union Pacific Rail Road Coordination for design and construction budget of planking and signal for the widened road.

Additional Considerations for the Design Phase are:

Roadway and Drainage Design:

1. The Design Phase services will be performed in accordance with the DESIGN STANDARDS AND DETAILS, Fort Bend County Engineering Department, Latest Edition.
2. The Roadway design and construction of West Sycamore Road shall comply with the requirement of Fort Bend County regulations and follow MOBILITY DESIGN MANUAL, Latest Edition.
3. The design and construction of West Sycamore Road drainage systems shall comply with the requirement of Fort Bend County regulations and Fort Bend County Drainage District (FBCDD) DRAINAGE CRITERIA MANUAL and TxDOT (if required).
4. The pavement elevation shall be set in accordance with the Fort Bend County Guidelines.

5. The pavement section shall be evaluated by the Geotechnical Investigations and Report; if not adequately designed in accordance with the recommendations.
6. Provide coordination with Fort Bend County for any adjacent developments within the project area limits.
7. Plan and Profile sheets will be created for a scale of 1" = 40' for horizontal and 1"=4' for vertical with all the references attached and shown as per the Fort Bend County design requirements for all submittals and the Final Submittal will be a standard 11"x17". All the CAD work will follow Fort Bend County design standards.
8. Driveway width and location should match existing when feasible. Also, driveways should meet Fort Bend County Regulations of Subdivisions, Section 7 requirements. The centerline station and percent grade shall be indicated on the drawings for all driveways.
9. All the intersections or where the sidewalks exist shall include pedestrian ramps in accordance with the current ADA requirements

Traffic Control Plans (TCP) and Signing and Pavement Marking Plans:

1. A construction traffic control meeting shall be held prior to the 70% submittal and will be scheduled by the Fort Bend County Project Manager with the Traffic Engineer and the Construction Programs Division. Provide the following preliminary documents for communicating the significant construction traffic control concepts and to enable review and discussion at the meeting: phasing overview drawing (roll plots), a typical cross-section(s) for each major phase, and preliminary traffic control detail plans showing the temporary transitions at the ends of the project.
2. Provide preliminary traffic control detail plans for intersections with existing traffic signal control and, if off-site detours are anticipated, a detour concept sketch.
3. Traffic Control Plans and Permanent Signing and Pavement Marking Plans will be provided as per the MUTCD and Fort Bend County Engineering Department Standards.

Traffic Signal Plans:

1. Proposed Traffic Signal Plans will be provided as per the Fort Bend County Engineering Department Standards at West Sycamore Road and FM 521

2. Temporary Traffic Signal Design (Plans and Layouts, including Loop Detectors and Electrical Schedules) will be provided at West Sycamore Road and FM 521 during the construction of the project if required.

Utilities:

Water:

1. The current design and plan/profile sheets of the waterline relocation will be updated based on the changes in the roadway and storm sewer design at all waterline crossings and conflicts with the new storm sewer design. Also, any changes to the waterline that is designed at 95% submittal in the original contract along West Sycamore are not considered in this proposal. If changes are needed, it will be considered as additional effort.

Storm Water Pollution Prevention Plans (SWPPP):

1. Prepare the drawings based on Fort Bend County Design Criteria.
2. As the roadway will disturb more than 1 acre of land, the following will be provided as part of SWPP Plans. Prepare the SWPPP written plan including two Notices of Intent (NOI), two Notices on Termination (NOT), and two Construction Site Notices as/if required in accordance with the current Texas Commission on Environmental Quality, TPDES General Permit for storm water discharges associated with construction activities.

Project Name: West Sycamore Road Segment 3
Project Limits: From South Post Oak Boulevard to FM 521
FBC Project Number: 17123x | Isani Project Number: 20PV100

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|-----------------------|
| BASIC SERVICES |
|-----------------------|

| | | |
|----------|--|----------------------|
| 1 | Preliminary Engineering Design (Lump Sum) (Includes Project Management & Other Expenses) | \$ 1,900.00 |
| 2 | Final Design (Lump Sum) (includes coordinaton with Traffic) | \$ 141,575.00 |
| 3 | Bid Phase (Lump Sum) | \$ - |
| 4 | Construction Phase (T & M) | \$ - |
| 5 | Drainage (H&H)- OPTION 1 | |
| 5.1 | <i>Existing Condition Analysis</i> | \$ 3,150.00 |
| 5.2 | <i>Proposed Condition Analysis</i> | \$ 5,650.00 |
| 5.3 | <i>Drainage Report (Approx. 50 pages)</i> | \$ - |
| | | \$ 8,800.00 |
| 6 | Traffic Signals | |
| 6.1 | <i>Temporary Traffic Signal Design</i> | \$ - |
| 6.2 | <i>Permanent Traffic Signal Design</i> | \$ 7,689.94 |
| | | \$ 7,689.94 |

| | |
|-----------------------|----------------------|
| TOTAL SERVICES | \$ 159,964.94 |
|-----------------------|----------------------|

WEST SYCAMORE ROAD SEGMENT 3
FROM SOUTH POST OAK BOULEVARD TO FM 521
ISANI CONSULTANTS, L.P. PROPOSAL - OCTOBER 13, 2023
PRELIMINARY DESIGN LEVEL OF EFFORT



EXHIBIT B

| Employee Classification | | | No. of Sheets | Principal | Project Manager | QA/QC Engineer | Project Engineer | Graduate Engineer | CAD Technician | Admin | Total Labor Hrs & Costs | Total |
|--|---|--|-----------------------------------|-----------|-----------------|----------------|------------------|-------------------|----------------|---------|-------------------------|--------------|
| Contract Rate Per Hour | | | | \$285.00 | \$195.00 | \$170.00 | \$150.00 | \$130.00 | \$115.00 | \$90.00 | | |
| NO. | LEVEL OF EFFORT: SUMMARY | | LEVEL OF EFFORT (ESTIMATED HOURS) | | | | | | | | | |
| PRELIMINARY DESIGN (TASK A) | | | | | | | | | | | | |
| A1 | PRELIMINARY ENGINEERING/DESIGN | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - |
| A2 | DRAINAGE (H&H) ANALYSIS (ROAD) | | | 0 | 8 | 2 | 20 | 30 | 0 | 0 | 60 | \$ 8,800.00 |
| A6 | PROJECT MANAGEMENT | | | 0 | 4 | 0 | 4 | 4 | 0 | 0 | 12 | \$ 1,900.00 |
| A7 | OTHER EXPENSES | | | | | | | | | | | \$ - |
| TOTAL ESTIMATE FOR PRELIMINARY DESIGN | | | | | | | | | | | | \$ 10,700.00 |
| | | | | | | | | | | | | |
| DRAINAGE ANALYSIS FOR ROADWAY (H&H) (TASK A2) - OPTION 1 | | | | | | | | | | | | |
| 1 | Review of data including survey, record drawings, previous drainage study and other information | | | | | | | | | | 0 | \$ - |
| 2 | Review of outfall location and regional detention pond | | | | | | | | | | 0 | \$ - |
| 3 | Review/update all sub-drainage areas contributing to project limits | | | | 2 | | 4 | 6 | | | 12 | \$ 1,770.00 |
| 4 | Review/update peak flow calculations for Existing Conditions based on Atlas 14 data | | | | | | 4 | 6 | | | 10 | \$ 1,380.00 |
| 5 | Develop Hydraulic model for Existing Conditions based on Atlas 14 data | | | | | | | | | | 0 | \$ - |
| 6 | Review/update proposed area delineation | | | | 2 | | 6 | 6 | | | 14 | \$ 2,070.00 |
| 7 | Update peak flow calculations for Proposed Conditions | | | | 4 | 2 | 6 | 12 | | | 24 | \$ 3,580.00 |
| 8 | Develop Preliminary Proposed Alternatives and Hydraulic models | | | | | | | | | | 0 | \$ - |
| 9 | Perform Mitigation Analysis and Finalize models | | | | | | | | | | 0 | \$ - |
| 10 | Prepare OPCC | | | | | | | | | | 0 | \$ - |
| 11 | Prepare and Present Preliminary Findings to Fort Bend County Engineering Department/Drainage District | | | | | | | | | | 0 | \$ - |
| 12 | Prepare Exhibits and Appendices required for the Drainage Report | | | | | | | | | | 0 | \$ - |

| Employee Classification | | No. of Sheets | Principal | Project Manager | QA/QC Engineer | Project Engineer | Graduate Engineer | CAD Technician | Admin | Total Labor Hrs & Costs | Total |
|---|--|-----------------------------------|-----------|-----------------|----------------|------------------|-------------------|----------------|---------|-------------------------|---------------------|
| Contract Rate Per Hour | | | \$285.00 | \$195.00 | \$170.00 | \$150.00 | \$130.00 | \$115.00 | \$90.00 | | |
| NO. | LEVEL OF EFFORT: SUMMARY | LEVEL OF EFFORT (ESTIMATED HOURS) | | | | | | | | | |
| 13 | Prepare Drainage Impact and Mitigation Analysis Report for Fort Bend County Engineering Department/Drainage District Submittal | | | | | | | | | 0 | \$ - |
| 14 | Submit the Drainage Report with Roadway to Fort Bend County Engineering Department and Fort Bend County Drainage District | | | | | | | | | 0 | \$ - |
| | SHEETS/HOURS SUB-TOTALS | | 0 | 8 | 2 | 20 | 30 | 0 | 0 | 60 | |
| | TOTAL LABOR COSTS | | \$0.00 | \$1,560.00 | \$340.00 | \$3,000.00 | \$3,900.00 | \$0.00 | \$0.00 | | \$ 8,800.00 |
| | % DISTRIBUTION OF STAFFING | | 0.00% | 13.33% | 3.33% | 33.33% | 50.00% | 0.00% | 0.00% | 100.00% | |
| | SUBTOTAL (TASK A2) - Option 1 | | | | | | | | | | \$ 8,800.00 |
| PROJECT MANAGEMENT FOR PRELIMINARY ENGINEERING (TASK A6) | | | | | | | | | | | |
| 1 | Site/Field Visit for Drainage | | | | | | | | | 0 | \$ - |
| 2 | Project Management and Drainage Meetings | | | 4 | | 4 | 4 | | | 12 | \$ 1,900.00 |
| 3 | Approval from FBCED and FBCDD | | | | | | | | | 0 | \$ - |
| 4 | Submittal Milestones (Draft and Final Drainage Report) | | | | | | | | | 0 | \$ - |
| | SHEETS/HOURS SUB-TOTALS | | 0 | 4 | 0 | 4 | 4 | 0 | 0 | 12 | |
| | TOTAL LABOR COSTS | | \$0.00 | \$780.00 | \$0.00 | \$600.00 | \$520.00 | \$0.00 | \$0.00 | | \$ 1,900.00 |
| | % DISTRIBUTION OF STAFFING | | 0.00% | 33.33% | 0.00% | 33.33% | 33.33% | 0.00% | 0.00% | 100.00% | |
| | SUBTOTAL (TASK A6) | | | | | | | | | | \$ 1,900.00 |
| OTHER EXPENSES (TASK A7) | | | | | | | | | | | |
| 1 | Printing/Plotting/Copying | | | | | | | | | | |
| 2 | Mileage/Postage/Courier | | | | | | | | | | |
| | SUBTOTAL (TASK A7) | | | | | | | | | | \$ - |
| | TOTAL HOURS | | 0 | 12 | 2 | 24 | 34 | 0 | 0 | 72 | |
| | TOTAL ESTIMATE FOR PRELIMINARY DESIGN | | \$0 | \$2,340 | \$340 | \$3,600 | \$4,420 | \$0 | \$0 | | \$ 10,700.00 |

WEST SYCAMORE ROAD SEGMENT 3
FROM SOUTH POST OAK BOULEVARD TO FM 521
ISANI CONSULTANTS, L.P. PROPOSAL - OCTOBER 13, 2023
FINAL DESIGN LEVEL OF EFFORT



EXHIBIT B

| Employee Classification | | No. of Sheets | Principal | Project Manager | QA/QC Engineer | Project Engineer | Graduate Engineer | CAD Technician | Admin | Total Labor Hrs & Costs | Total |
|---------------------------------|--|-----------------------------------|-----------|-----------------|----------------|------------------|-------------------|----------------|---------|-------------------------|---------------|
| Contract Rate Per Hour | | | \$285.00 | \$195.00 | \$170.00 | \$150.00 | \$130.00 | \$115.00 | \$90.00 | | |
| NO. | LEVEL OF EFFORT: SUMMARY | LEVEL OF EFFORT (ESTIMATED HOURS) | | | | | | | | | |
| FINAL DESIGN (TASKS A TO H) | | | | | | | | | | | |
| A | ROADWAY DESIGN | | 0 | 24 | 39 | 123 | 164 | 154 | 0 | 504 | \$ 68,790.00 |
| B | DRAINAGE DESIGN | | 0 | 9 | 13 | 35 | 73 | 54 | 0 | 184 | \$ 24,915.00 |
| C | TRAFFIC CONTROL PLANS | | 0 | 5 | 7 | 27 | 38 | 60 | 0 | 137 | \$ 18,055.00 |
| D | PERMANENT TRAFFIC SIGNAL PLANS (by KBH Traffic Engineering) | | | | | | | | | | \$ 7,689.94 |
| D.1 | COORDINATION WITH TRAFFIC SUBCONSULTANT | | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 6 | \$ 950.00 |
| E | SIGNING AND STRIPING PLANS | | 0 | 3 | 4 | 6 | 8 | 6 | 0 | 27 | \$ 3,895.00 |
| F | STORM WATER POLLUTION PREVENTION PLANS & REPORT | | 0 | 2 | 2 | 6 | 6 | 6 | 0 | 22 | \$ 3,100.00 |
| G | PROJECT MANAGEMENT | | 0 | 46 | 2 | 42 | 40 | 0 | 4 | 134 | \$ 21,170.00 |
| H | OTHER EXPENSES | | | | | | | | | | \$ 700.00 |
| TOTAL ESTIMATE FOR FINAL DESIGN | | | | | | | | | | | \$ 149,264.94 |
| | | | | | | | | | | | |
| FINAL DESIGN | | | | | | | | | | | |
| ROADWAY DESIGN (TASK A) | | | | | | | | | | | |
| 1 | Fort Bend County Design Criteria | | | | | | | | | 0 | \$ - |
| 2 | General Notes, and Project Layouts | 3 | | 1 | | 2 | 2 | 2 | | 7 | \$ 985.00 |
| 3 | Horizontal and Vertical Design/Alignments (Roadway) | | | 2 | 4 | 8 | 12 | 12 | | 38 | \$ 5,210.00 |
| 4 | Proposed Typical Sections | 1 | | 1 | 1 | 2 | 8 | 8 | | 20 | \$ 2,625.00 |
| 5 | Demolition Plans | 2 | | 1 | 1 | 1 | 2 | 2 | | 7 | \$ 1,005.00 |
| 6 | Roadway Plan view Drawings (Geometric Design) | | | 1 | 4 | 8 | 8 | 8 | | 29 | \$ 4,035.00 |
| 7 | Design for Cross Streets | 2 | | | | 8 | 8 | 14 | | 30 | \$ 3,850.00 |
| 8 | Intersection Details/Layouts | 4 | | 1 | 1 | 4 | 8 | 8 | | 22 | \$ 2,925.00 |
| 9 | Typical Street/Driveway Connection Details | 2 | | | | 4 | 8 | 8 | | 20 | \$ 2,560.00 |
| 10 | Roadway Plan and Profile Sheets | 9 | | 4 | 12 | 32 | 40 | 48 | | 136 | \$ 18,340.00 |
| 11 | Cross Sections | 10 | | 4 | 8 | 24 | 24 | 28 | | 88 | \$ 12,080.00 |

| Employee Classification | | No. of Sheets | Principal | Project Manager | QA/QC Engineer | Project Engineer | Graduate Engineer | CAD Technician | Admin | Total Labor Hrs & Costs | Total |
|---------------------------------------|---|-----------------------------------|-----------|-----------------|----------------|------------------|-------------------|----------------|---------|-------------------------|---------------------|
| Contract Rate Per Hour | | | \$285.00 | \$195.00 | \$170.00 | \$150.00 | \$130.00 | \$115.00 | \$90.00 | | |
| NO. | LEVEL OF EFFORT: SUMMARY | LEVEL OF EFFORT (ESTIMATED HOURS) | | | | | | | | | |
| 12 | Update Waterline Relocation Plans (Included with Roadway Plan and Profile Sheets) | | | 2 | 4 | 8 | 8 | 12 | | 34 | \$ 4,690.00 |
| 13 | Update & Finalize Utility Conflict Table | | | 2 | | 4 | 4 | 4 | | 14 | \$ 1,970.00 |
| 14 | Project Calculations and Earthwork Calculations | 2 | | 2 | | 6 | 12 | | | 20 | \$ 2,850.00 |
| 15 | Specifications and Construction Cost Estimate | | | 3 | 4 | 12 | 20 | | | 39 | \$ 5,665.00 |
| 16 | Standard Details/Drawings | | | | | | | | | 0 | \$ - |
| | SHEETS/HOURS SUB-TOTALS | 35 | 0 | 24 | 39 | 123 | 164 | 154 | 0 | 504 | |
| | TOTAL LABOR COSTS | | \$0.00 | \$4,680.00 | \$6,630.00 | \$18,450.00 | \$21,320.00 | \$17,710.00 | \$0.00 | | \$ 68,790.00 |
| | % DISTRIBUTION OF STAFFING | | 0.00% | 4.76% | 7.74% | 24.40% | 32.54% | 30.56% | 0.00% | 100.00% | |
| | SUBTOTAL (TASK A) | | | | | | | | | | \$ 68,790.00 |
| DRAINAGE DESIGN (TASK B) | | | | | | | | | | | |
| 1 | Drainage Area Maps | 1 | | 1 | 1 | 4 | 8 | 8 | | 22 | \$ 2,925.00 |
| 2 | Hydraulic Data Sheets | 2 | | 1 | 2 | 8 | 8 | 8 | | 27 | \$ 3,695.00 |
| 3 | Horizontal and Vertical Design/Alignments (Storm) | | | 2 | 4 | 8 | 20 | | | 34 | \$ 4,870.00 |
| 4 | Drainage Plan and Profile Sheets (Included with Roadway Plan and Profile Sheets) | | | 2 | 4 | 8 | 28 | 32 | | 74 | \$ 9,590.00 |
| 5 | Drainage Plan and Profile Sheet (At outfall location) | | | 1 | 1 | 2 | 4 | 4 | | 12 | \$ 1,645.00 |
| 6 | Drainage System Laterals | | | 1 | 1 | 1 | 1 | 2 | | 6 | \$ 875.00 |
| 7 | Standard Details/Drawings | | | | | | | | | 0 | \$ - |
| 8 | Specifications and Construction Cost Estimate | | | 1 | | 4 | 4 | | | 9 | \$ 1,315.00 |
| | SHEETS SUB-TOTALS | 3 | 0 | 9 | 13 | 35 | 73 | 54 | 0 | 184 | |
| | TOTAL LABOR COSTS | | \$0.00 | \$1,755.00 | \$2,210.00 | \$5,250.00 | \$9,490.00 | \$6,210.00 | \$0.00 | | \$ 24,915.00 |
| | % DISTRIBUTION OF STAFFING | | 0.00% | 4.89% | 7.07% | 19.02% | 39.67% | 29.35% | 0.00% | 100.00% | |
| | SUBTOTAL (TASK B) | | | | | | | | | | \$ 24,915.00 |
| TRAFFIC CONTROL PLANS (TASK C) | | | | | | | | | | | |
| 1 | General Notes and Index | | | | | | | | | 0 | \$ - |
| 2 | Project Approach Signing | | | | | | | | | 0 | \$ - |
| 3 | Phasing Overview | 1 | | | | 2 | 2 | 8 | | 12 | \$ 1,480.00 |
| 4 | Phasing Description and Typical Sections | 3 | | 1 | 1 | 2 | 4 | 8 | | 16 | \$ 2,105.00 |
| 5 | TCP for Temporary Pavement Construction | 4 | | | | 2 | 4 | 8 | | 14 | \$ 1,740.00 |
| 6 | TCP Phase I | 5 | | 1 | 2 | 8 | 8 | 12 | | 31 | \$ 4,155.00 |
| 7 | TCP Phase II | 5 | | 1 | 2 | 8 | 8 | 12 | | 31 | \$ 4,155.00 |
| 8 | TCP Tie- Ins | 2 | | 1 | 1 | 4 | 8 | 8 | | 22 | \$ 2,925.00 |

| Employee Classification | | | No. of Sheets | Principal | Project Manager | QA/QC Engineer | Project Engineer | Graduate Engineer | CAD Technician | Admin | Total Labor Hrs & Costs | Total |
|---|--|-----------------------------------|---------------|-----------|-----------------|----------------|------------------|-------------------|----------------|---------|-------------------------|--------------|
| Contract Rate Per Hour | | | | \$285.00 | \$195.00 | \$170.00 | \$150.00 | \$130.00 | \$115.00 | \$90.00 | | |
| NO. | LEVEL OF EFFORT: SUMMARY | LEVEL OF EFFORT (ESTIMATED HOURS) | | | | | | | | | | |
| 9 | TCP Specifications and Construction Cost Estimate | | | 1 | 1 | 1 | 4 | 4 | | | 11 | \$ 1,495.00 |
| 10 | Standard Details/Drawings | | | | | | | | | | 0 | \$ - |
| | SHEETS/HOURS SUB-TOTALS | 20 | 0 | 5 | 7 | 27 | 38 | 60 | 0 | | 137 | |
| | TOTAL LABOR COSTS | | \$0.00 | \$975.00 | \$1,190.00 | \$4,050.00 | \$4,940.00 | \$6,900.00 | \$0.00 | | | \$ 18,055.00 |
| | % DISTRIBUTION OF STAFFING | | 0.00% | 3.65% | 5.11% | 19.71% | 27.74% | 43.80% | 0.00% | | 100.00% | |
| | SUBTOTAL (TASK C) | | | | | | | | | | | \$ 18,055.00 |
| PERMANENT TRAFFIC SIGNAL PLANS (TASK D) | | | | | | | | | | | | |
| 1 | Field Investigation | | | | | | | | | | | |
| 2 | Existing Traffic Signal Layout | | | | | | | | | | | |
| 3 | Modification of Proposed Traffic Signal Layout | | | | | | | | | | | \$ 2,556.80 |
| 4 | Modification of Traffic signal details | | | | | | | | | | | \$ 1,589.30 |
| 5 | Modification of the estimate of quantities | | | | | | | | | | | \$ 1,321.62 |
| 6 | Plans, Specifications and Estimates | | | | | | | | | | | \$ 1,377.38 |
| 7 | Utility Coordination | | | | | | | | | | | \$ 560.44 |
| 8 | Plan Review Submittals to TxDOT | | | | | | | | | | | \$ 284.40 |
| 9 | Railroad Preemption Coordination w/ TxDOT | | | | | | | | | | | |
| 10 | Coordination with Sub-Consultants (This is included in Item D.1) | | | 2 | | 2 | 2 | | | | | \$ 950.00 |
| | SHEETS/HOURS SUB-TOTALS | | 0 | 2 | 0 | 2 | 2 | 0 | 0 | | 6 | |
| | TOTAL LABOR COSTS | | \$0.00 | \$390.00 | \$0.00 | \$300.00 | \$260.00 | \$0.00 | \$0.00 | | | \$ 7,689.94 |
| | % DISTRIBUTION OF STAFFING | | 0.00% | 7.41% | 0.00% | 7.41% | 7.41% | 0.00% | 0.00% | | 22.22% | |
| | SUBTOTAL (TASK D) | | | | | | | | | | | \$ 7,689.94 |
| SIGNING AND STRIPING PLANS (TASK E) | | | | | | | | | | | | |
| 1 | Signing and Striping Plans | 4 | | 2 | 3 | 4 | 4 | 6 | | | 19 | \$ 2,710.00 |
| 2 | SPM Specifications and Construction Cost Estimate | | | 1 | 1 | 2 | 4 | | | | 8 | \$ 1,185.00 |
| 3 | Standard Details/Drawings | | | | | | | | | | 0 | \$ - |
| | SHEETS/HOURS SUB-TOTALS | 4 | 0 | 3 | 4 | 6 | 8 | 6 | 0 | | 27 | |
| | TOTAL LABOR COSTS | | \$0.00 | \$585.00 | \$680.00 | \$900.00 | \$1,040.00 | \$690.00 | \$0.00 | | | \$ 3,895.00 |
| | % DISTRIBUTION OF STAFFING | | 0.00% | 11.11% | 14.81% | 22.22% | 29.63% | 22.22% | 0.00% | | 100.00% | |
| | SUBTOTAL (TASK E) | | | | | | | | | | | \$ 3,895.00 |
| STORM WATER POLLUTION PREVENTION PLANS (TASK F) | | | | | | | | | | | | |
| 1 | Storm Water Pollution Prevention Plans | 4 | | 2 | 2 | 4 | 4 | 6 | | | 18 | \$ 2,540.00 |

| Employee Classification | | No. of Sheets | Principal | Project Manager | QA/QC Engineer | Project Engineer | Graduate Engineer | CAD Technician | Admin | Total Labor Hrs & Costs | Total |
|---|--|-----------------------------------|-----------|-----------------|----------------|------------------|-------------------|----------------|----------|-------------------------|----------------------|
| Contract Rate Per Hour | | | \$285.00 | \$195.00 | \$170.00 | \$150.00 | \$130.00 | \$115.00 | \$90.00 | | |
| NO. | LEVEL OF EFFORT: SUMMARY | LEVEL OF EFFORT (ESTIMATED HOURS) | | | | | | | | | |
| 2 | SWPPP Specifications and Construction Cost Estimate | | | | | 2 | 2 | | | 4 | \$ 560.00 |
| 3 | SWPPP Written Report | | | | | | | | | 0 | \$ - |
| 4 | Standard Details/Drawings | | | | | | | | | 0 | \$ - |
| | SHEETS/HOURS SUB-TOTALS | 4 | 0 | 2 | 2 | 6 | 6 | 6 | 0 | 22 | |
| | TOTAL LABOR COSTS | | \$0.00 | \$390.00 | \$340.00 | \$900.00 | \$780.00 | \$690.00 | \$0.00 | | \$ 3,100.00 |
| | % DISTRIBUTION OF STAFFING | | 0.00% | 9.09% | 9.09% | 27.27% | 27.27% | 27.27% | 0.00% | 100.00% | |
| | SUBTOTAL (TASK F) | | | | | | | | | | \$ 3,100.00 |
| PROJECT MANAGEMENT FOR FINAL DESIGN (TASK G) | | | | | | | | | | | |
| 1 | Field Visit | | | 2 | | 2 | 2 | | | 6 | \$ 950.00 |
| 2 | Project Manual | | | 2 | 2 | 2 | 4 | | | 10 | \$ 1,550.00 |
| 3 | Co-ordination with Centerpoint Energy (Electric and Gas) | | | 1 | | 2 | 2 | | | 5 | \$ 755.00 |
| 4 | Co-ordination with AT&T, and other private Utilities | | | 1 | | 2 | 4 | | | 7 | \$ 1,015.00 |
| 5 | Coordination with TxDOT | | | 6 | | 6 | 6 | | | 18 | \$ 2,850.00 |
| 6 | Coordination with UPRR | | | 6 | | 6 | 6 | | | 18 | \$ 2,850.00 |
| 7 | Coordination with LJA for regional detention | | | 4 | | 6 | 6 | | | 16 | \$ 2,460.00 |
| 8 | Coordination with Adjacent Project Consultants | | | 4 | | 6 | 6 | | | 16 | \$ 2,460.00 |
| 9 | Project Management and Meetings | | | 16 | | 6 | | | 2 | 24 | \$ 4,200.00 |
| 10 | Milestones (70%, 95%, Final) | | | 4 | | 4 | 4 | | 2 | 14 | \$ 2,080.00 |
| | HOURS SUB-TOTALS | | 0 | 46 | 2 | 42 | 40 | 0 | 4 | 134 | |
| | TOTAL LABOR COSTS | | \$0.00 | \$8,970.00 | \$340.00 | \$6,300.00 | \$5,200.00 | \$0.00 | \$360.00 | | \$ 21,170.00 |
| | % DISTRIBUTION OF STAFFING | | 0.00% | 34.33% | 1.49% | 31.34% | 29.85% | 0.00% | 2.99% | 100.00% | |
| | SUBTOTAL (TASK G) | | | | | | | | | | \$ 21,170.00 |
| OTHER EXPENSES (TASK H) | | | | | | | | | | | |
| 1 | Printing/Plotting/Copying | | | | | | | | | | \$ 300.00 |
| 2 | Mileage/Postage/Courier | | | | | | | | | | \$ 400.00 |
| | SUBTOTAL (TASK H) | | | | | | | | | | \$ 700.00 |
| TOTAL HOURS | | | 0 | 91 | 67 | 241 | 331 | 280 | 4 | 1014 | |
| TOTAL ESTIMATE FOR FINAL DESIGN (TASKS A-H) | | | \$0 | \$17,745 | \$11,390 | \$36,150 | \$43,030 | \$32,200 | \$360 | | \$ 149,264.94 |
| TOTAL ESTIMATE FOR FINAL DESIGN | | | | | | | | | | | \$ 149,264.94 |

Exhibit "C"

Isani Consultants, LP

BILLABLE HOURLY RATES (2023)

| <u>Title</u> | <u>Hourly Rate</u> |
|----------------------------|---------------------------|
| Principal | \$285.00 |
| Senior Project Manager | \$240.00 |
| Project Manager | \$195.00 |
| Senior Project Engineer | \$180.00 |
| Project Engineer | \$150.00 |
| QA/QC Engineer | \$170.00 |
| Senior Civil Engineer | \$180.00 |
| Civil Engineer | \$140.00 |
| Engineer-In-Training (EIT) | \$130.00 |
| Junior Engineer | \$120.00 |
| Senior Designer | \$145.00 |
| Designer | \$130.00 |
| Project Coordinator | \$115.00 |
| CAD Technician | \$115.00 |
| GIS Technician | \$115.00 |
| Document Control | \$115.00 |
| Administrative Assistant | \$90.00 |



KBH TRAFFIC ENGINEERING, LLC

1127 Eldridge Pkwy #300-203, Houston, TX 77077

Tel 832-250-1861 Fax 281-597-9354

keti@kbhtraffic.com

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September 25, 2023

Bhupesh Joshi, PE, ENV SP

Sr. Project Engineer

Isani Consultants, LP

10448 Westoffice Dr.

Houston, TX 77042

RE: West Sycamore Road from South Post Oak Boulevard to FM 521 – Change of Scope

Proposal for professional Traffic Engineering Services

Dear Mr. Joshi,

We are pleased to submit this updated scope of services and fee schedule to the Isani Consultants, LP. The scope of work includes traffic signal design updates and PS&E package for the signal. We will perform the following tasks:

A. The Basic Services:

- Modification of the proposed layout.
- Modification of traffic signal details.
- Modification of the estimate of quantities
- Prepare PS&E package.

B. The Additional Services:

- Coordination with TxDOT
- Plans review submittals to TxDOT
- Developed railroad traffic signal preemption and coordinated with TxDOT

SCOPE OF ADDITIONAL SERVICES

KBH Traffic Engineering, LLC is responsible for the coordination, plans review submittal, and railroad coordination with TxDOT.

Phase III – Construction Phase Services are not included in this scope of services.

Phase III - Construction Phase Services to be authorized by the Isani Consultants, LP, as a separate work authorization.

As we value working with the Isani Consultants, LP, and have a desire to help you with this project, KBH Traffic Engineering, LLC will perform the scope of additional services for the contract amount of \$7,689.94.

If you have any further questions regarding this scope or fee, please don't hesitate to contact me at 832-250-1861 or keti@kbhtraffic.com. Thank you.

Enclosure: Attachment A

Very truly yours,



Keti Hristova, P.E., PTOE
Principal

ATTACHMENT A

KBH Traffic Engineering, LLC
West Sycamore Road at FM 521 Traffic Signal Design
Person-Hours Estimate

Project Name: West Sycamore Road from South Post Oak Boulevard to FM 521

Date Prepared: 9/18/2023

Estimated by: Ket Hristova, P.E., PTOE

| ID Number | KBH Task Name Subtask Name/Description | Project Manager | Project Engineer | Design Engineer | Senior CADD | Admin / Clerical | Total Labor Costs |
|--|---|-----------------|------------------|-----------------|-------------|------------------|-------------------|
| | | \$209.11 | \$142.20 | \$122.68 | \$97.59 | \$66.92 | |
| A | Basic Services | | | | | | |
| 1 | Traffic Signal Design W. Sycamore at FM 521 | | | | | | |
| | a. Modification of the proposed layout | 2 | 3 | 6 | 10 | | \$2,556.80 |
| | b. Modification of the traffic signal details | | | 5 | 10 | | \$1,589.30 |
| | c. Modificatin of the estimate of quanities | | | 6 | 6 | | \$1,321.62 |
| | d. Plans, Specifications and Estimates | 2 | 4 | | 4 | | \$1,377.38 |
| | e. Utility Coordination | | 3 | | | 2 | \$560.44 |
| | Total Hours | 4 | 10 | 17 | 30 | 2 | |
| | Contract Rate | \$209.11 | \$142.20 | \$122.68 | \$97.59 | \$66.92 | |
| | Total Labor | \$836.44 | \$1,422.00 | \$2,085.56 | \$2,927.70 | \$133.84 | \$7,405.54 |
| B | Additional Services | | | | | | |
| | a. Coordination with TxDOT | | | | | | \$0.00 |
| | b. Plan Reciew Submittals to TxDOT | | 2 | | | | \$284.40 |
| | c. RailRoad Preemption Coordination w/ TxDOT | | | | | | \$0.00 |
| | Total Hours | 0 | 2 | 0 | 0 | 0 | |
| | Contract Rate | \$209.11 | \$142.20 | \$122.68 | \$97.59 | \$66.92 | |
| | Total Labor | \$0.00 | \$284.40 | \$0.00 | \$0.00 | \$0.00 | \$284.40 |
| KBH Traffic Engineering, LLC Labor Total: | | | | | | | \$7,689.94 |