

THE STATE OF TEXAS §
 §
 COUNTY OF FORT BEND §

**SECOND AMENDMENT TO INTERLOCAL AGREEMENT FOR CITY-MANAGED MOBILITY PROJECT
 FORT BEND COUNTY PROJECT NO. 17205 – SIENNA PARKWAY INTERSECTIONS**

THIS SECOND AMENDMENT (the “Second Amendment”) is made and entered into pursuant to the Interlocal Cooperation Act, Chapter 791 of the Texas Government Code and Section 251.012 of the Texas Transportation Code, by and between the City of Missouri City, a municipal corporation and home-rule city of the State of Texas, acting by and through its City Council, (the “City”), and Fort Bend County, a body corporate and politic under the laws of the State of Texas, acting by and through its Commissioners Court, (the “County”). The City and the County may be individually referred to as a “Party” or collectively as the “Parties.”

WHEREAS, the Parties executed and accepted that certain Interlocal Agreement for City-Managed Mobility Project on July 9, 2019, (the “Agreement”), as amended by document executed on February 9, 2021, (the “Amendment”); and

WHEREAS, the Parties desire to further amend the Agreement to include additional services as reflected in the proposal dated November 10, 2021 attached hereto as Exhibit A and incorporated herein for all purposes.

NOW, THEREFORE, the Parties do mutually agree to amend the Agreement as follows:

- I. In addition to the amount determined be equal to the lesser of (1) Fifty Percent (50%) of the Eligible Project Costs; or (2) \$2,020,000.00 payable by the County pursuant to Section 4. C. of the Agreement, the County shall pay the City an additional \$83,000.00 for the services described in Exhibit A.
- II. The County is not obligated to expend any further funds above \$2,103,000.00 on the Project from the 2017 General Obligation Bonds or any other sources of funding, limited to fifty percent (50%) of the cost of Eligible Project Costs plus \$83,000.00 for services described in Exhibit A.
- III. The Limit of Appropriation under the Section 8 of the Agreement is hereby increased to \$2,103,000.00 being (1) Fifty Percent (50%) of Eligible Project Costs, or (2) \$2,020,000.00, whichever amount is less; **PLUS** (3) \$83,000.00 for the cost of services described in Exhibit A.

Except as provided herein, all terms and conditions of the Agreement and the Amendment shall remain unchanged.

IN WITNESS WHEREOF, the Parties have executed this Second Amendment and caused this Second Amendment to be effective on the date executed by County.

FORT BEND COUNTY, TEXAS



KP George, County Judge
County Judge KP George

9.27.2022


Date

Attest:



Laura Richard, County Clerk

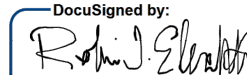
Approved:



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



CITY OF MISSOURI CITY, TEXAS


DocuSigned by:


CB757566F6E7467...
Robin J. Elackatt, Mayor

7/18/2022

Date

Attest:

DocuSigned by:


413A197AD9B549D...
Maria Jackson, City Secretary

EXHIBIT A



3600 W Sam Houston Pkwy S, Suite 600, Houston, Texas 77042
t 713.953.5200 LJA.com TBPE F-1386 TBPLS 10110501

November 10, 2021

PROPOSAL

Stacy Slawinski, PE
Fort Bend County
301 Jackson Street
Richmond, Texas 77469

Re: Sienna Parkway from McKeever Rd to SH 6 Mobility Project
Supplemental Engineering Services
LJA Proposal # 21-7140

Dear Mr Slawinski:

PROJECT DESCRIPTION: The intersection layout at Sienna Parkway and Trammel Fresno Road is proposed to be modified to include an additional eastbound left turn lane, mirroring the recently designed westbound left turn lane along Trammel Fresno Road. The roadway design will consist of addition of eastbound left turn lane, providing 6 ft shoulders, sidewalk along Trammel Fresno Road and traffic signal modifications required to accommodate the proposed mobility improvements. A new left turn lane is also proposed along northbound Sienna Parkway, north of Sienna Ranch Road intersection to access Harvest Market shopping center. The projects will be designed to meet Fort Bend County and City of Missouri City design criteria.

I. ENGINEERING DESIGN

The goal is to prepare construction drawings and specifications accurately, efficiently and consistent with the rest of Sienna Parkway Mobility Project plans. Interim submittals will be made at 70 percent and 95 percent completion, and includes drawings, a specification table of contents (and/or special specifications, as applicable), and a construction cost estimate.

Applicable design criteria include, in order of priority, (1) Any Fort Bend County Engineering or Drainage District criteria/standards, including the Fort Bend County Drainage Criteria Manual (Fort Bend County Drainage District, November 1987, revised April 1999), (2) municipal design criteria if the project is located within the limits of a municipality and/or ETJ that has design criteria, (3) applicable Texas Department of Transportation design criteria (all City and County-maintained traffic signals, other items as applicable), and (4) City of Missouri City 2019 Design Guideline, current version, used for infrastructure for which design criteria do not exist in the preceding criteria documents). Municipalities contributing funds to the project may review the submittals.

A. PLANS

Revise Horizontal/Vertical Alignment

Roadway horizontal alignments, vertical alignments, cross-slopes, crossovers, and other related geometric design features will be finalized.

- a. Prepare cover sheet (Fort Bend County name and seal, project name with limits, vicinity and location maps, names of County Judge and Commissioners, signature line for County Engineer, design firm name and registration number)
- b. Index of sheets
- c. Typical and non-standard cross sections (not-to-scale proposed sections with station

limits for each section; show pavement/subgrade material and thickness, right-of-way and roadway width, applicable dimensions, profile grade line, and general location of existing and proposed utilities)

- d. Overall project layout (scale as appropriate with sheet references left blank since they are subject to change in subsequent submittals)
- e. Survey control map
- f. Develop plan and plan/profile sheets, which depict the proposed improvements. These sheets will contain topographic information, existing utilities, demolition items, roadway baselines, proposed pavement curb elevations, and roadway pavement contours where necessary for construction, drainage structures, limits of barriers and other information necessary for construction. Profile sheets will show existing ground lines at the right of way line, existing ditch lines, and existing paving elevations, and other elevations necessary to describe the profile elevations.
- g. Plan and profile sheets (1"=20' full size plan scale but printed half-size for a 1"=40' scale; all existing and proposed facilities correctly shown in plan and profile; separate drawings for roadway and storm sewer are not necessary; detailed callouts not required at 70%).
- h. Prepare plan sheets that illustrate the proposed pedestrian facilities at the intersections.
- i. The plan package will be complete and suitable for bidding and award of a construction contract.
- j. Show existing utilities in plan and profiles. Prepare plans to minimize utility adjustment where practical.
- k. Provide to the County information and/or exhibits on driveways for the purpose of preparing temporary construction easements where practical.
- l. Develop cut and fill quantities for the proposed sections.
- m. Earthwork quantities with cross sections performed at 100-foot intervals (only non-standard sections should be included in plans)

B. HYDROLOGY AND HYDRAULICS

- 1. Design storm sewer/ditch systems for 2-year storm. Design using Geopak drainage software.
- 2. Detail the following:
 - a) Drainage Area maps with Hydrologic calculations
 - b) Hydraulic data
 - c) Drainage structure plan view layout sheet.
 - d) Storm sewer/ditch systems. Information to include elevation view and details for inlets, manholes, etc.
 - e) Miscellaneous details
 - f) Determination of standards
 - g) Identification of bid items and quantities
 - h) Develop summaries

C. TRAFFIC CONTROL PLAN (TCP)

Upon approval of Preliminary TCP submittal, Develop TCP sheets by phase/stage/step. Avoid detours unless approved by the County; use of construction zone standards is encouraged

Details to include:

- a) The sequence of construction and method of handling traffic during each phase.
- b) The existing and proposed traffic control devices that will be used to handle traffic during each construction sequence. Include 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 barriers.
- c) The proposed traffic control devices (stop signs, no temporary signals are anticipated, flag person, etc.) at grade intersections during each construction sequence.
- d) Where detours are approved by the County, typical and design cross sections shall be shown and/or provided.
- e) Road construction work hours shall be directed by the County and specified for all phases of the TCP.
- f) Temporary drainage structures
- g) Narrative
- h) Determination of standards
- i) Identification of bid items and quantities
- j) Develop summaries by phase with overall total

D. TRAFFIC SIGNAL PLANS

The Engineer shall develop traffic signal modification plans identifying the modifications to the existing traffic signal at Sienna Parkway and Trammel Fresno Road intersection.

The traffic signal modification plans to be designed per City of Missouri City 2019 Design guideline/Fort Bend County Design criteria.

Submittal to include

- a) Traffic Signal general notes
- b) Existing conditions layout Sheet
- c) Proposed signal layout with phasing diagram
- d) Proposed signal details
- e) Proposed signal elevation layout
- f) Temporary signal layout with phasing diagram
- g) Temporary signal details and temporary signal elevation.
- h) Summary of Quantities
- i) Small signs tabulation
- j) Large signs tabulation including all guide signs

E. STORM WATER POLLUTION PREVENTION PLANS (SWPPP)

SW3P will be developed utilizing and consistent with the TCP plan. Plan sheets will be developed on 11" x 17" plan sheets, double stacked as applicable. Fort Bend County and Texas Department of Transportation standards will be used where applicable. Details to include:

1. Develop SW3P Plans for each phase of construction. SW3P controls may include but are not limited to:
 - a) Temporary sediment fence
 - b) Rock Berms
 - c) Construction entrance/exits
2. Determination of standards
3. Identification of bid items and quantities
4. Develop summaries by phase with overall total

F. SIGNING AND PAVEMENT MARKING DESIGN

Permanent small signing and markings will be designed in accordance with the County and the Texas Manual on Uniform Traffic Control Devices (TMUTCD) for Streets and Highways (latest revision). Inventory of all existing signage will be performed throughout the Project. This inventory shall be used as a basis for determining all required proposed signing. After a full review of the final proposed roadway plans, the location and type of all necessary proposed warning and regulatory signs shall be determined. All required specifications, general notes and estimates would be included.

1. Prepare drawings depicting all proposed pavement markings, and all proposed small signing for the Project. Plan layouts shall be prepared at 1"= 100' scale, on 11"x17" drawings. Permanent signing and marking design shall consist of the following drawings for the entire Project:
 - a) Existing Small Sign Inventory (to identify all existing signs).
 - b) Signing and Marking Layouts (to identify all existing signs to remain, signs to be removed or relocated, all proposed small signs and all proposed marking).
 - c) Signing and Marking Details (for all special signs and marking as required for the Project).
 - d) Small Sign Summary (to identify all proposed small signs and mounting materials).
 - e) Pavement Marking Summary (to identify all proposed pavement markings and delineators).
 - f) Standard Detail Drawings (to provide guidance to the contractor during construction of all small and large signing).

G. GENERAL NOTES, SPECIFICATIONS, AND STANDARD DRAWINGS

1. Develop required general notes and assemble specifications and special provisions that may be required.
2. Prepare additional special provisions or specifications as may be required.
3. Prepare general notes, specification data and project estimate on a CD disk for submission to City of Missouri City and the Fort Bend County.
4. Select the Standard City of Missouri City and Fort Bend County drawings applicable to the project, modify as required, and fill in the title blocks.

H. QUANTITIES AND COST ESTIMATES

1. Prepare list of construction bid items
2. Compute estimated quantities for all bid items.
3. Develop basis of estimate
4. Compute estimated cost of construction work based on current unit prices and estimated quantities. Fort Bend County/PMC to provide current unit prices if needed.

I. TOPOGRAPHIC SURVEY AND PROPOSED ROW ACQUISITION

Topographic survey shall be completed during preliminary design, right-of-way acquisition will be required for road expansions, and part of preliminary design includes determining where to expand. To cover all options, topographic survey shall be performed for width of the roadway and length of proposed improvement within existing right-of-way and then at least 20 feet beyond the right-of-way on each side, or as determined in a scoping meeting. Temporary benchmarks and baseline control shall be set, both with 1,000-foot maximum spacing between points. Abstracting shall be performed to gain a preliminary determination of property ownership and existing right-of-way widths. During topographic survey, found property corners shall be documented so that the approximate location of the right-of-way can be determined. Structures in clear view and within 100 feet of the existing right-of-way shall be surveyed.

Once right-of-way needs have been determined and approved by the City and the County, a Category IA survey will be performed to produce a parcel map and metes-and-bounds description for each parcel to be acquired in the project. These documents will be submitted separately from other design documents, and will be paid for as a lump sum, based upon the number of parcels determined by the consultant and their sub-consultants to accurately determine the parcels that are affected prior to contract agreement.

J. QA/QC

The Engineer will provide quality assurance and quality control throughout the process and will include:

1. Routine checking of PS&E documents by the PM.
2. Close collaboration between the task leader and PM to make sure all County procedures for the project are met and to ensure that final documents are complete and accurate.
3. Regular internal review of projects deliverables by the QA/QC leader.
4. Maintain documentation of the QA/QC process.

II. EXCLUSIONS FROM THE SCOPE OF SERVICES

1. Any other services not specifically included within the description of the Services as described above.
2. Illumination design and plans preparation.
3. Landscaping and Irrigation plans
4. Construction Management

III. **COMPENSATION**

Based upon the Scope of Work listed above, LJA proposes to provide you the scope of services described above on a fee structure as follows:

Phase	Description	Basis of Fee	Contract Amount
101	Eastbound left turn lane, shoulder, sidewalk design services (Jaymark Engineering)	LS	\$ 29,777.00
201	Signal Design Modification	LS	\$ 16,500.00
301	Preparing revised construction plan set	LS	\$ 2,000.00
401	Harvest Market Left Turn Lane	LS	\$ 25,000.00
501	Update existing Sienna Ranch construction plan set, update bid package	LS	\$ 5,000.00
601	Project Management and Coordination	LS	\$ 4,500.00
Z99	Reimbursable Expenses	T&M	\$ 223.00
TOTAL			\$ 83,000.00

The engineering fees associated with Phase 101 thru 601 will be provided on a lump sum basis. Phase Z99 is for reimbursable expenses such as, mileage, traffic counts reproduction, prints, review fees, etc. Reimbursable charges related to this job number will be billed as defined in the Professional Services Agreement

We appreciate the opportunity to submit this proposal and look forward to working with you on this project. If you should have any questions or require additional information, please do not hesitate to call me at 713.953.5053.

Sincerely,



Lokesh Krishnan, PE
Senior Project Manager

TK/pa

**APPROVED FOR: SIENNA PLANTATION
MANAGEMENT DISTRICT**

By: _____

Name: _____

Title: _____

Date: _____

