

**FIRST AMENDMENT  
E. PFLUGERVILLE PARKWAY/JESSE BOHLS  
ROADWAY IMPROVEMENTS  
INTERLOCAL COOPERATION AGREEMENT  
CITY OF PFLUGERVILLE AND TRAVIS COUNTY**

This First Amendment to the Interlocal Cooperation Agreement (this "Amendment") is made and entered into by and between the City of Pflugerville, a political subdivision of the State of Texas (the "City"), and Travis County, a political subdivision of the State of Texas, (the "County"), hereinafter collectively referred to as the "Parties," upon the premises and for the consideration stated herein.

**Recitals**

1. In October 2019, the City and the County entered into an Interlocal Cooperation Agreement (the "Agreement") in order to allocate the Parties' respective responsibilities regarding the Project, as that term is defined in the Agreement.
2. The City and the County desire to enter into this Amendment to the Agreement to address funding for the remaining engineering design, plans and specifications, and construction for the Project, specifically design services for the 60%, 90%, and 100% plans, specifications, and estimates (PS&E) for the planning, design, and construction of the Project.
3. The Scope of Services and Fees Proposals are included as exhibits to the Professional Services Supplemental Agreement #2 for East Pflugerville Parkway Additional Metes & Bounds Documents and PS&E Development for Jesse Bohls Connection, a copy of which is attached as **Exhibit A** to this Amendment.
4. The Parties also desire to amend the Agreement to authorize the City to purchase certain right-of-way parcels on behalf of the County for the Project.
5. Except as set forth in this Amendment, the Parties' responsibilities will remain the same as in the Agreement and all other provisions in the Agreement will remain in full force and effect.

In consideration of these recitals and mutual covenants in this Amendment, the Parties agree as follows:

1. Section 2(f). Section 2(f) is amended as follows:

(f) Acquisition of Right-of-Way and Easements. Through the City's agreement with LJA, the City will provide the County metes and bounds descriptions for all right-of-way and easements required for the Project. Except as provided below, the Parties will be responsible for acquisition of right-of-way and easements within their own jurisdictions for the Project. And, except as provided below, the City and County each agree to pay their respective portion of right-of-way and easement acquisition costs. For the two parcels both labeled "8" and one parcel labeled "10" ("Additional Right-of-Way") and four easements each labeled "8E" and the easement labeled "10E" that is adjacent to parcel "9E (collectively "Additional Easements"), as shown on attached **Exhibit A**, at Sheet 2 of 2, the Parties agree as follows:

(i) City will pay the purchase price of the Additional Right-of-Way and Additional Easements on behalf of the County and record the deeds and easements for the Additional Right-of-Way and Additional Easements;

(ii) Prior to the closing for or recording of, whichever is first, either the Additional Right-of-Way or the Additional Easements, the City must secure the approval of the County for the following: (1) any encumbrances of title; and (2) the purchase price for each of the Additional Right-of-Way and Additional Easements; and

(iii) City will ensure the deeds and easements for each of the three Additional Right-of-Way parcels and the five Additional Easements have the County as Grantee; and

(iv.) For each of the three Additional Right-of-Way parcels and each of the five Additional Easements, the City shall secure the approval of the County for the following, prior to closing: (i) any encumbrances on title; and (2) purchase price.

(v) For each of the three Additional Right-of-Way parcels and each of the five Additional Easements, the City shall provide the County with a recorded deed or easement with the County as Grantee.

(vi) Subject to the City fulfilling the above-listed obligations in subparagraphs (f)(i) – (f)(v), the County agrees to reimburse the City for all approved closing costs and purchase price related to the acquisition of each Additional Right-of-Way parcel and each Additional Easement within 30 days of receipt of an invoice for closing costs and approved purchase prices.

2. Section 6. Section 6, Financial Obligations, is amended to add the additional section, Section (6)(i) Additional Funding, as follows:

(i) Additional Funding. Within 30 days of the effective date of this Amendment, the County shall provide additional funding for engineering design, plans and specifications, and construction for the Project in the amount of \$360,755.00, as shown in **Exhibit A**, attached hereto, in the spreadsheet labeled “Exhibit C - Fee Schedule” and dated Aug. 12, 2021, (“Additional Funding”):

- i. \$55,906.25 for “metes & bounds” preparation for the County; and;
- ii. \$304,848.75 for 60%, 90%, and 100% PS&E Development for the County.

The County shall also pay \$18,037.75 as the Management Cost, as that term is defined in the Agreement, representing 5% of the Additional Funding amount. Within 30 days after this Amendment is fully executed by the Parties, the County will deposit into an escrow account with the City the Additional Funding amount and the additional Management Cost, for a total of \$378,792.75. The County is under no obligation to provide additional funding for the design cost of the County Project unless the additional funding is approved by the Travis County Commissioners Court.

3. Effect of Amendment. Except as specifically provided in this Amendment, the terms of the Agreement continue to govern the rights and obligations of the Parties, and all terms of the Agreement remain in full force and effect.
4. Execution. This Amendment may be executed in one or more counterparts, each of which will be deemed an original, but all of which will constitute one and the same Amendment.

EXECUTED to be effective as of the later date set forth below.

**CITY OF PFLUGERVILLE, TEXAS, a political subdivision of the State of Texas**

By: \_\_\_\_\_

Sereniah Breland, City Manager

Date: \_\_\_\_\_

Attest: \_\_\_\_\_

Trista Evans, City Secretary

Date: \_\_\_\_\_

**TRAVIS COUNTY, a political subdivision of the State of Texas**

By: \_\_\_\_\_

Andy Brown, County Judge

Date: \_\_\_\_\_

**PROFESSIONAL SERVICES  
SUPPLEMENTAL AGREEMENT # 2  
FOR  
EAST PFLUGERVILLE PARKWAY  
ADDITIONAL METES & BOUNDS DOCUMENTS and  
PS&E DEVELOPMENT FOR JESSE BOHLS CONNECTION**

**STATE OF TEXAS           §  
  §  
COUNTY OF TRAVIS       §**

This Supplemental Agreement No. 2 to a contract for Professional Services is made by and between the City of Pflugerville, Texas ("City") and LJA Engineering, INC. ("Consultant"). City and Consultant may be referred to herein singularly as "Party" or collectively as the "Parties."

WHEREAS, the City and Consultant executed an Agreement for Professional Services ("Agreement") on the 17 day of October 2019 for the East Pflugerville Parkway project ("Project") in the amount of \$824,160.11; and

WHEREAS, the City and Consultant desired to enter into a Supplemental Agreement # 1 for Professional Services for the Project in the amount of \$355,494.75, on the 15<sup>th</sup> of January 2021 to add PS&E Development from Weiss Lane to East City Limits to the Agreement; and

WHEREAS, the City and Consultant desire to enter into a Supplemental Agreement # 2 for Professional Services for the Project in the amount of \$401,348.75, on the 1<sup>st</sup> of October 2021 to add additional Metes and Bounds Documents and PS&E Development from East City Limits to Jesse Bohls Connection to the Agreement; and

WHEREAS, it has become necessary to amend the Agreement to modify the provisions for the Term of the Agreement, Scope of Services, Work Schedule, and Compensation; and

WHEREAS, it is necessary for the City to amend its agreements from time to time to comply with changes in state law relating to contracts of municipalities.

NOW, THEREFORE, premises considered, the City and the Consultant agree that said Agreement is amended as follows:

**I.**

Article II. Term shall be amended by changing the term of the Agreement to terminate on **November 30, 2022**, with the ratification and incorporation of the remaining terms of the Agreement.

Article III. Scope of Services and Exhibit A, shall be amended as set forth in the attached Addendum to Exhibit A.

Article IV. Work Schedule and Exhibit B, shall be amended as set forth in the attached Addendum to Exhibit B.

Article IV. Compensation to Consultant and Exhibit C (Fee Schedule), shall be amended by increasing by \$401,348.75 the amount payable under the Agreement for a total of \$1,581,003.61, as shown by the attached Addendum to Exhibit C (Fee Schedule).

**2.**

Except as amended hereby and as previously amended as indicated above, the terms of the Agreement shall remain unchanged and in full force and effect.

**EXECUTED** and **AGREED** to as of the dates indicated below.

**CITY OF  
PFLUGERVILLE**

**CONSULTANT**



\_\_\_\_\_  
*(Signature)*

\_\_\_\_\_  
*(Signature)*

Printed Name: Sereniah Breland

Printed Name: **Brian Young, P.E.**

Title: City Manager

Title: **Vice President**

Date: \_\_\_\_\_

Date: \_\_\_\_\_

APPROVED AS TO FORM:

\_\_\_\_\_  
Charles E. Zech  
City Attorney  
DENTON NAVARRO ROCHA BERNAL & ZECH, P.C.

**ADDENDUM TO EXHIBIT A - SCOPE OF SERVICES**

**SERVICES TO BE PROVIDED BY THE ENGINEER**

**Roadway:** East Pflugerville Parkway  
**County:** Travis County  
**Limits:** Colorado Sands to Cameron Road

**General Work Description:**

1. Additional Metes and Bounds creation for the final alignment of East Pflugerville Parkway.
2. The LJA Engineering team (the ENGINEER) will develop 60%, 90% and 100% plans, specifications, and estimates (PS&E) for the East Pflugerville Parkway – Jesse Bohls Connection project (the PROJECT). The PROJECT intends to complete the City of Pflugerville (the CITY) extension of East Pflugerville Parkway (EPP) east of Weiss Lane and create a continuous route for the corridor between Weiss Lane and Cameron Road.

All costs for these items of work will be split per the attached spreadsheet shown in the Addendum to Exhibit C. The City of Pflugerville and Travis County have an interlocal agreement covering these items of work.

The ultimate County typical section will consist of a four-lane divided urban roadway with a raised median, storm drain systems, and pedestrian and bicycle accommodations. These features will be designed to a 60% PS&E milestone level. Full PS&E and bid documents will then be developed through the remaining milestones for the two (2) westbound lanes in a rural configuration using open ditch drainage. A bike lane or Shared Use Path with an accommodation for a future sidewalk will be included; however, sidewalk and illumination designs will not be completed in this phase. The PROJECT will be based on the preliminary designs from the previously approved schematic and will produce construction plans, construction cost estimates, construction schedules, as well as all required permitting and bidding documents.

**Standards and Specifications:** Designs will be based on the latest version of Travis County (the COUNTY) Design Standards and Specifications supplemented by either the City of Pflugerville (the CITY) or Texas Department of Transportation (TxDOT) items where necessary or as preferred by the COUNTY.

**FC 120 – ENVIRONMENTAL STUDIES**

1. SEE ACI CONSULTING SCOPE AND FEE IN ATTACHMENT A

**FC 145 - PROJECT MANAGEMENT AND COMMUNICATION PLAN**

1. Develop Project Management Plan: Establish all responsibilities and roles of the team members, including the prime firm and subs as well as detail the process for all submittals.
2. Develop Project Specific QA/QC Plan: To be submitted within 30 days of NTP for approval detailing the QA/QC process to be followed.

3. Meetings:
  - a. PROJECT Kickoff with CITY and COUNTY which will include the initial development of a design summary. A final design summary document will be emailed for approval after the kick-off meeting.
  - b. Internal Kickoff with Team - Hold initial kickoff meeting with all team members during the first week after receiving the notice to proceed.
  - c. Milestone Meetings - Milestone Meetings will be held for each of the following submittals: 60%, 90%, and 100%. These meetings will include City and County staff and the Engineer's staff and are estimated to last up to 2 hours each.
  - d. Team Coordination Meetings - Hold bi-weekly staff/team meetings at the Engineers office beginning the second week of the project. Attending staff will be selected as appropriate based upon current tasks (up to 20 meetings).
  - e. Engineer will provide meeting minutes for all meetings with City and County.
4. Invoicing and Contract Document Coordination
  - a. Prepare Master Contract and Subcontracts.
  - b. Prepare monthly progress reports for invoicing.
  - c. Prepare monthly invoices for submission to the City for all requests for payment.
5. Manage Sub Consultants
  - a. Monitor and supervise sub consultant activities (staff and schedule).
  - b. Review and approve sub consultant invoices.
6. Produce Project Scheduling: Critical path schedule in Microsoft Project format for approval by the City indicating tasks, milestones, major meetings, and reviews – to be updated at each milestone deliverable.
7. Submittals and QA/QC
  - a. QA/QC of all documents prior to milestone submittals (60%, 90%, 100%). Detailed Check Review for all designs, inter-discipline coordination reviews, and detailed plan and construction reviews.
  - b. Prepare Submittals for City Oversight Reviews (60%, 90%, 100%).
  - c. Provide document control and retention.
8. Deliverables
  - a. Project Management and QA/QC Plans.
  - b. Final Design Summary Report.
  - c. Meeting Minutes.
  - d. Monthly Progress Reports and Monthly Invoices.
  - e. Project Schedule Updates.

**FC 150 – TOPOGRAPHICAL & BOUNDARY SURVEY**

1. SEE McGRAY & McGRAY SCOPE AND FEE IN ATTACHMENT B



**FC 160 - PLANS, SPECIFICATIONS, AND ESTIMATE (PS&E) DEVELOPMENT  
ROADWAY**

**Roadway Design:** The Engineer shall use Bentley's 3D design technology to design and prepare roadway plan sheets.

The Engineer shall provide roadway plan and profile drawings using CADD standards as required by the COUNTY. The drawings will consist of a planimetric file of existing features and files of the proposed improvements. The roadway base map shall contain line work that depicts existing surface features. Existing subsurface and overhead utility lines will be shown, as will existing and proposed ROW lines.

The plan view will contain, but shall not limited to, the following design elements. Elements shall be included as needed to provide clarity of intent and design.

1. Calculated roadway centerlines and horizontal control points will be shown. The alignments will be calculated with GeoPak OpenRoads.
2. Pavement edges for all improvements (proposed lanes, cross streets, retaining walls, and driveways).
3. Lane and pavement width dimensions.
4. Proposed structure locations, lengths, and widths (if applicable).
5. Direction of traffic flow on all roadways. Lane lines and arrows indicating the number of lanes will also be shown.
6. Drawing horizontal scale shall be 1 inch = 100 feet
7. Control of access lines, ROW lines and easements.
8. Begin and end superelevation transitions and cross slope changes.
9. Limits of riprap, revegetation, and permanent BMPs.
10. Existing utilities and structures.
11. Benchmark information.
12. Radii call outs, curb location, Concrete Traffic Barrier (CTB), guard fence, crash safety items and American with Disabilities Act Accessibility Guidelines (ADAAG) compliance items.

The profile view will contain but is not limited to the following design elements:

1. Calculated profile grades for proposed EPP and cross streets.
2. Vertical curve data including "K" values.
3. WSELs at stream crossings for design-year and 100-year storms.
4. Drawing vertical scale to be 1 inch = 10 feet.

**Typical Sections:** The Engineer shall prepare typical sections for all proposed and existing roadways and structures. Typical sections must include width of travel lanes, shoulders, outer separations, border widths, curb offsets, managed lanes, and ROW. The typical section will also include proposed Profile Grade Line (PGL), centerline, pavement design, longitudinal joints, side slopes, traffic barriers, sidewalks, station limits, retaining walls, riprap, and other relevant details.

**Cross Streets and Side Streets:** The Engineer shall provide an intersection layout detailing the pavement and drainage designs at the intersection of each cross street and/or side street. The layout will include horizontal and vertical alignments, curb returns, geometrics, transition lengths, stationing, pavement, drainage details, and

ADAAG compliance items. The Engineer shall design for full pavement width, widening, overlay, or any combination thereof, and provide a transition to existing roadways.

**Cut and Fill Quantities:** The Engineer shall develop an earthwork analysis to determine cut and fill quantities and provide final design cross sections on 11"x17" sheets at 50 foot intervals along the proposed EPP corridor and each cross street from the proposed EPP centerline to the limits of construction. Cross sections will include existing pavement removals and annotation of existing and proposed ROW and easements, cross slopes, offset/elevation callouts, side slopes, profiles (centerline and PGL locations), and existing and proposed utilities. The Engineer shall provide all templates, criteria, and surface model files to generate the design cross sections.

**TDLR Coordination:** The Engineer shall coordinate with the Texas Department of Licensing and Regulation (TDLR) regarding compliance with the Texas Accessibility Standards (TAG) and completing Registered Accessibility Specialist (RAS) review and approval processes, if necessary.

**Deliverables:**

Produce the following PS&E Sheets:

1. Title Sheet and Index Sheet
2. Project Layout Sheets
3. Typical Sections; existing and proposed
4. Horizontal Alignment Sheets
5. Removal Sheets
6. Roadway Plan and Profile Sheets (100 Scale)
7. Cross Street Plan and Profile Sheets
8. Intersection Grading Sheets
9. Miscellaneous Roadway Detail Sheets
10. Driveway P&P Sheets
11. Cross Sections
12. Quantity Summaries
13. Special and Standard Detail Sheets
14. Construction Cost Estimates

**FC 161 - DRAINAGE**

**Storm Drains:** The Engineer shall provide the following services:

1. Design and analyze storm drains using Geopak Drainage software.
2. Size inlets, laterals, trunk lines and outfalls. Develop designs that minimize interference with the passage of traffic and minimize the likelihood to incur damage to the highway and local property in accordance with the COUNTY's design criteria.
3. Determine hydraulic grade line (HGL) for the design storm starting at the outfall channel for each storm drain design. Use the design WSEL of the outfall as the starting basis (tailwater) for the design of the proposed storm sewer system.
4. Calculate manhole and junction head losses. Compute manhole head losses as per FHWA's Hydraulic Engineering Circular-22 (HEC-22).

5. Identify any areas requiring trench protection, excavation, shoring, and/or de-watering.
6. Include proposed drainage structures in the 3D model. The Engineer shall use Bentley's 3D design technology in the design and preparation of the 3D model.

**Cross-Drainage Structures:** The Engineer shall provide the following services:

1. Finalize drainage areas, times of concentration, runoff coefficients, and flows for cross culvert drainage systems based on Atlas 14 rainfall data.
2. Prepare culvert cross-sections and identify each cross-section's station and the sizes of the drainage crossings, including extending, adjusting or replacing all culvert crossings.
3. The Engineer shall evaluate the existing erosion and proposed erosion potential upstream and downstream of each structure and provide erosion control recommendations and design as necessary.
4. Design any detention facilities at outfalls designated in schematic including grading, outlet structure, and outfall channel.
5. Update the H&H analyses performed in the schematic as needed based on the proposed design to verify the project results in no adverse impacts.

**Deliverables:**

Produce the following PS&E Sheets:

1. Proposed Drainage Area Map Sheets
2. Culvert Layout Sheets
3. Drainage Plan & Profile Sheets (100 Scale)
4. Storm Sewer Lateral Profile Sheets
5. Hydraulic Data Sheets – Culverts
6. Hydraulic Data Sheets – Drainage Areas
7. Hydraulic Data Sheets – Inlets
8. Hydraulic Data Sheets – Links
9. Hydraulic Data Sheets – Ditches
10. Detention Pond Detail Sheets
11. Quantity Summaries
12. Special and Standard Detail Sheets

**FC 162.1 - SIGNING & PAVEMENT MARKINGS**

**Signing and Pavement Marking Plans:** Proposed Layouts will include ultimate pavement markings, object markers, delineators, and proposed roadside signs in accordance with the Texas Manual on Uniform Traffic Control Devices (TxMUTCD), and the TxDOT Sign Crew Field Book.

- Signing and Pavement Marking Sheets (100 Scale)
- Small Sign Summary Sheets
- Standard Detail Sheets
- Quantity Summaries

**FC 162.3 - TRAFFIC SIGNALS**

- ◆ No traffic signal design or traffic engineering analysis work is expected to be needed for the PROJECT. If such services become necessary, LJA can provide traffic studies, reports, design, and construction assistance as needed under separate authorization or under an amendment to this agreement.

**FC 163.1 - RETAINING WALLS**

No retaining walls are currently expected to be needed for the PROJECT. As such, this scope of services does not include any retaining wall designs or calculations. If such services become necessary, LJA will utilize previous geotechnical recommendations to provide such services and assistance as needed under separate authorization or under an amendment to this agreement.

**FC 163.3 - TRAFFIC CONTROL & EROSION CONTROL**

- ◆ LJA will design a Construction Phasing and Traffic Control Plan (TCP) for the extension of EPP in accordance with COUNTY design criteria, the TxMUTCD, and TxDOT design standards. It is anticipated that the construction of the project can be accomplished in 2 phases including minor steps at the transitions and intersections. The phasing plan will show barricade and channelization locations, spacing, work zone areas, temporary pavement, temporary pavement markings and temporary signage necessary to safely construct the project and control traffic progression through the work zones. TCP cross-sections will be developed for each phase and transition area. These cross-sections will be provided in a separate 11in x 17in plan set. The following TCP Sheets will be produced:
  - Phasing Typical Sections
  - Phasing Narrative
  - Phase 1 Layouts (100 Scale)
  - Phase 2 Layouts (100Scale)
  - Phase 3 Layouts (100Scale)
  - Intersection Phasing Details
  - Detour Layouts
  - Standard Detail Sheets
  - Quantity Summaries
- ◆ Temporary erosion control measures will be shown on Traffic Control Layouts and quantity summaries per phase.

**FC 163.5 - ILLUMINATION**

- Continuous illumination systems are not desired by the COUNTY for the PROJECT at this time. If such services become necessary, LJA can provide illumination planning and design assistance as needed under separate authorization or under an amendment to this agreement.

**FC 163.6 -SUBSURFACE UTILITIES**

2. No SUE field investigations or drafting work are expected to be needed for the PROJECT. If such services become necessary, LJA can provide them under separate authorization or under an amendment to this agreement.

**FC 163.15 - CONTRACT TIME DETERMINATION**

The engineer shall prepare a detailed construction contract time estimate utilizing Microsoft Project to determine the approximate time required in calendar days (based on the COUNTY'S standard contract terms and definitions) at the 90%, and Final PS&E milestone submittals. The contract time estimate will follow the proposed TCP sequence of construction and include average weather conditions, tasks, subtasks, critical dates, any joint-bid utilities, milestones, deliverables, production rates, review and inspection requirements, and adjacent construction projects in a format which depicts the interdependence of the various items.

**FC 163.17 - COMMENT RESOLUTION AND QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)**

- ◆ PS&E QA/QC & Comment Resolution at 60, 90, 100%
  - QA/QC of 60/90/100% submittals.
  - Responding to and addressing COUNTY comments.

**FC 160'S MILESTONE SUBMITTALS**

- ◆ 60%, 90% PS&E – 3 Sets of Hard Copies, 1 PDF
- ◆ 100% PS&E – 2 Sets of Hard Copies, 1 PDF
- ◆ Final PS&E and Project Manual, 2 Signed and Sealed originals, 1 PDF
- ◆ 60, 90, 100% – Preliminary and Final Construction Cost Estimates
- ◆ 90, 100% – Preliminary and Final Construction Time Determinations

**FC 309 - CONSTRUCTION PHASE SERVICES**

**FC 309.1 - Advertising, Bidding Phase**

- ◆ The Engineer Will:
  - Prepare Contract Documents and Create Project Manual
  - Assist CITY with advertisement for bids including preparation of ad as required
  - LJA will provide online documents per CITY and COUNTY request
  - Conduct the Pre-Bid Conference
  - Answer Bid Questions and issue any Addenda necessary
  - Conduct the Bid Opening
  - Prepare Bid Tabulation and provide CITY and COUNTY with Letter of Recommendation for Award
  - Assist the CITY and COUNTY with execution of the construction contract.

**FC 309.2 - Construction Phase Services**

- ◆ The Engineer Will:
    - Attend Preconstruction Meeting to be conducted by LJA and the CITY and COUNTY PM
    - Track, review, and approve Construction Documentation
      - Review and approve submittals/shop drawings as received
      - Answer RFIs (3)
      - Prepare Design Change Notifications as necessary
    - Attend Construction Meetings (6 Meetings)
    - Prepare and issue meeting minutes and attendance lists for each Construction meeting
    - Provide status updates of received, reviewed, approved/rejected construction documentation (schedules updates, submittals/shop drawings, RFIs, etc...)
    - Process pay applications
      - Verification of quantities will be performed by others
      - Approval by engineer is dependent on the City's Inspector approving quantities
    - Coordinate with City Inspector and Contractor as necessary
    - Review and Process Change Orders (2)
      - Review change order requests after approved by City inspector
    - Prepare Record Drawing Plans
- 

**SERVICES ASSUMED TO BE PROVIDED BY THE TRAVIS COUNTY**

- ◆ Provide a COUNTY Project Manager to serve as the primary point of contact for the ENGINEER.
- ◆ The COUNTY shall provide all available existing CADD files and pertinent as-built plans.
- ◆ The COUNTY will provide timely reviews in conjunction with the agreed upon schedule.
- ◆ The COUNTY will provide payment for necessary permitting fees, including TCEQ, TDLR, etc.

**ATTACHMENT A**

**ACI CONSULTING  
SCOPE OF SERVICES**

**ENVIRONMENTAL STUDY AND DOCUMENTATION**



## Contract Proposal 21-21-116

|   |   |              |
|---|---|--------------|
| Proposal For  | From  | 28 July 2021 |
| <b>Chad Wood</b><br><b>LJA Engineering, Inc.</b><br>7500 Rialto Blvd. Bldg II,<br>Ste 100 Austin, TX<br>78735 P: (512) 439-4744 | Project Archeologist<br><b>Katie Canavan</b>              |              |
|   | Project Title   |              |
|   | <b>East Pflugerville Parkway - Jesse Bohls Connection</b> |              |

### Project Description

aci consulting, a division of aci group, LLC is pleased to provide the following scope of services for the approximately 1,800-foot-long alignment for the East Pflugerville Parkway (EPP) - Jesse Bohls Connection project in Travis County, Texas.

### Scope of Services

aci consulting will execute the following tasks under this scope of work. The tasks are mutually dependent and scoped accordingly

#### **Task 1: Jurisdictional Waters Assessment, Endangered Species Habitat Assessment, and Phase I Environmental Site Assessment (ESA)**

##### *Jurisdictional Waters Assessment*

**aci consulting** will conduct a jurisdictional waters of the United States assessment for the proposed project area for the EPP section from Colorado Sand Drive to Weiss Lane. The purpose of this assessment is to identify the location and extent of potential waters of the United States in accordance with Section 404 of the Clean Water Act (CWA). **aci consulting** will perform an analysis of the most current available aerial photographs, topographic maps, National Wetlands Inventory (NWI) database, National Hydrography Dataset (NHD), and soil surveys as well as conduct appropriate field work necessary to identify the location and extent of USACE jurisdictional waters and potential wetlands within the proposed project area. The findings of the jurisdictional waters assessment will be incorporated into the Environmental Constraints Report under Task 4.

##### *Endangered Species Habitat Assessment*

Additionally, **aci consulting** will conduct a habitat assessment for all federally listed species and candidates for listing under the Endangered Species Act (ESA) that may occur within the Travis County within the proposed project area. A visual inspection of habitat within the project area will be conducted threatened and endangered species habitat assessment along the study area. Any potential habitat for federally listed species impacted by this project will be incorporated into the Environmental Constraints Report under Task 4.

##### *Phase I Environmental Site Assessment*

**aci consulting** will conduct the field work and prepare a Phase I Environmental Site Assessment (ESA) report in accordance with American Society for Testing and Materials (ASTM) Standards 1527-13 and All Appropriate Inquiry (AAI).





The findings will be presented in the Phase I Report under Task 2.

**Cost of Task 1: \$1,200.00**

**Task 2: Phase I Report**

The purpose of this report is to identify the potential presence and negative impacts of hazardous materials in association with the property and present the findings from the Phase I ESA. An electronic copy of the report including all findings will be provided to the client as a stand alone appendix in the Environmental Constraints Report. This report does not include SBA certification.

**Cost of Task 2: \$1,500.00**

**Task 3: Cultural Resources Survey**

aci consulting will conduct a cultural resources survey of the proposed project area that has not been previously surveyed for cultural resources. This task includes the preparation of a Texas Historical Commission (THC) Antiquities Code permit application. The THC permit application process includes a review of the Texas Archeological Sites Atlas and any necessary background research at the THC and the Texas Archeological Research Laboratory (TARL) to prepare the requisite research design in accordance with the level of effort required by the THC. The permit application will be provided to the client for review, comment, and signature prior to submission to the reviewer at the THC.

The western portion the project area containing Buttercup Creek lies within the Tinn soil series (Tw). According to the Potential Archeological Liability Maps (PALM) model created by TxDOT ENV for highway projects in the Austin District, Tinn soil series is an alluvial soil that possesses a high potential to contain deeply deposited (> 1m) cultural materials. Standards created by the Council of Texas Archaeologists (CTA), and the THC strongly recommend that soils with the potential to harbor deeply buried cultural materials should be excavated using a mechanical backhoe, therefore, backhoe trenching will be necessary to investigate the soils within the flood plain associated with Buttercup Creek. Typically, these trenches would be excavated at 100-meter intervals.

The cultural resources survey will include shovel testing, mechanical backhoe trenching, site photography, site recording, National Register and State Antiquities Landmark eligibility assessments, data analysis, and report preparation in accordance with THC and Council of Texas Archaeologists (CTA) standards. The reporting will involve the analysis of the data collected from the field work and the production of a draft report submitted to the client and to the THC for approval and concurrence. The final approved report will be produced and distributed to repositories as a requirement of the THC permit. This will be a non-collection survey so no artifacts will be collected as part of this effort and therefore no artifact curation will be required. All field documents and photographs will be curated for submittal to TARL, as curation is required by the THC Antiquities permit.

**Cost of Task 3: \$9,800.00**

**Task 4: Environmental Constraints Report**

aci consulting will prepare an Environmental Constraints Report to present the results of the desktop and field reconnaissance review of the study area. The findings from Tasks 1 will be incorporated into this report, and the results of Task 2 and Task 3 will be included as an appendices. This task includes one round of comments from the project team. Following the comment response a finalized digital copy (PDF format) of the report will be submitted to the Client.

**Cost of Task 5: \$2,500.00**

**Task 5: Project Coordination and Management**

aci consulting will coordinate with the Client and project engineer throughout the environmental process. Coordination includes phone and email conversations and one meeting.

**Cost of Task 5: \$1,500.00**

**Cost of Tasks 1 through 5: \$16,500.00**

| Fee and Structure  |                     | Amount           |
|--|---------------------|------------------|
| Task 1: Jurisdictional Water of the United States Assessment, Endangered Species Habitat Assessment, and Phase I Environmental Site Assessment (ESA) | Fixed Fee           | 1,200.00         |
| Task 2: Phase I Report   | Fixed Fee           | 1,500.00         |
| Task 3: Cultural Resources Survey  | Fixed Fee           | 9,800.00         |
| Task 4: Environmental Constraints Report   | Fixed Fee           | 2,500.00         |
| Task 5: Project Coordination and Management  | Fixed Fee           | 1,500.00         |
|  | <b>Fee Total \$</b> | <b>16,500.00</b> |

**ATTACHMENT B**

**McGRAY & McGRAY LANDSURVEYORS, INC  
SCOPE OF SERVICES**

**ADDITIONAL MEETS AND BOUNDS**



May 18, 2021

Brian Young, P.E.  
LJA Engineering  
5316 W. Hwy 290, Suite 150  
Austin, TX 78735  
(512) 439-4731

VIA EMAIL  
byoung@lja.com

**RE: Fourth Revised Proposal for Additional Surveying Services for Pflugerville Parkway Project, City of Pflugerville, Texas**

Dear Mr. Young:

We appreciate the opportunity to present you with this fourth revised proposal for the above referenced project. The following represents our understanding of the area to survey and scope of services. Our fee proposal follows.

**Scope of Services:**

**Boundary Survey (Taxable)\***

- Provide plats and descriptions (metes and bounds) for proposed parcel acquisition.
- Provide plats and descriptions (metes and bounds) for proposed easements that are immediately adjacent to the proposed right-of-way.

**Electronic File Requirements:**

- Survey shall be provided in AutoCAD (.dwg) format.
- The units of the drawing file shall be U.S. survey feet.
- Parcel plats and descriptions (metes and bounds).

**Fees:**

**Boundary Surveying ~ (Taxable Services\*):**

|                                   |         |                 |    |                     |
|-----------------------------------|---------|-----------------|----|---------------------|
| Acquisition Parcels               | 10 ea @ | \$7,500.00 /ea= | \$ | 75,000.00           |
| Easement Parcels                  | 8 ea @  | \$2,500.00 /ea= | \$ | 20,000.00           |
| <b>BOUNDARY SURVEYING TOTAL =</b> |         |                 |    | <b>\$ 95,000.00</b> |

**Optional Grand Total (with 8.25% sales tax)\***


Sales Tax on Boundary Surveying Fee (\$95,000.00) \$ 7,837.50  
**GRAND TOTAL \$ 102,837.50**

\*Since this project includes taxable services, we will need to receive a Texas Sales and Use Tax Resale Certificate for those services prior to starting the project. If one is not available, sales tax will be charged.

Once we receive notice to proceed, we will visit with you to establish a schedule for this project.

Thank you for including us on this project. We look forward to the opportunity to work with you. If you think we have omitted any service you require or misinterpreted your request, please let me or Joe Webber know.

Sincerely,



Chris Conrad, RPLS  
Vice President  
TBPELS Survey Firm #10095500

Authorized to Proceed by:

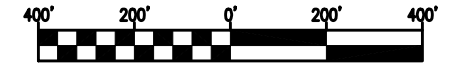
\_\_\_\_\_  
Signature Date

\_\_\_\_\_  
Print Name Title

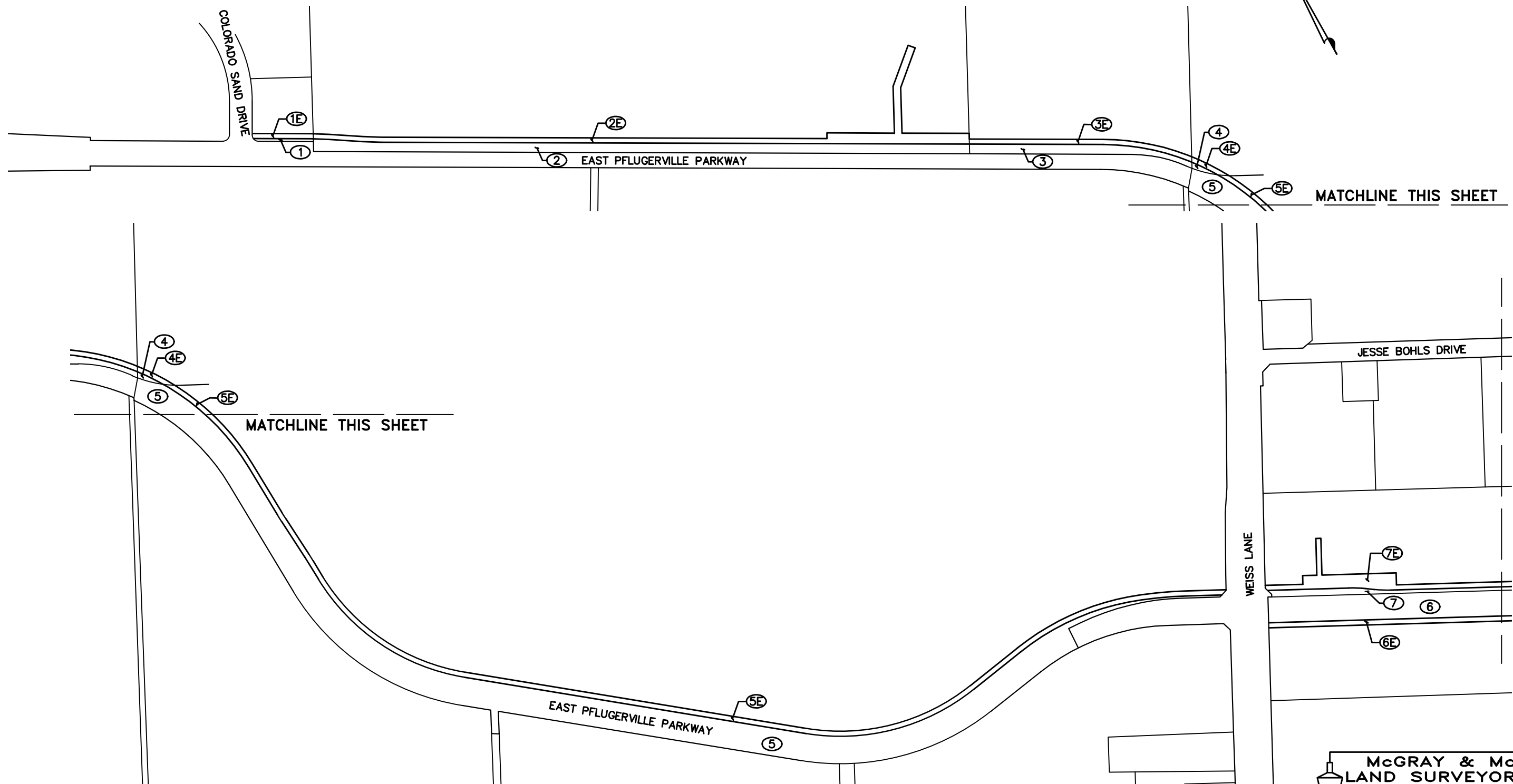
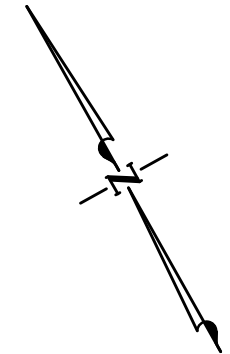
PRELIMINARY

THIS DOCUMENT SHALL NOT BE  
RECORDED FOR ANY PURPOSE

# PFLUGERVILLE PARKWAY PARCEL INDEX SHEET



GRAPHIC SCALE  
SCALE 1" = 400'

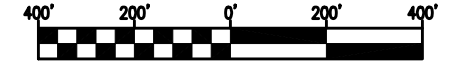


**McGRAY & McGRAY**  
**LAND SURVEYORS, INC.**  
3301 HANCOCK DRIVE #6  
AUSTIN, TEXAS 78731  
MCGRAY.COM (512) 451-8591  
TBPELS FIRM #10095500

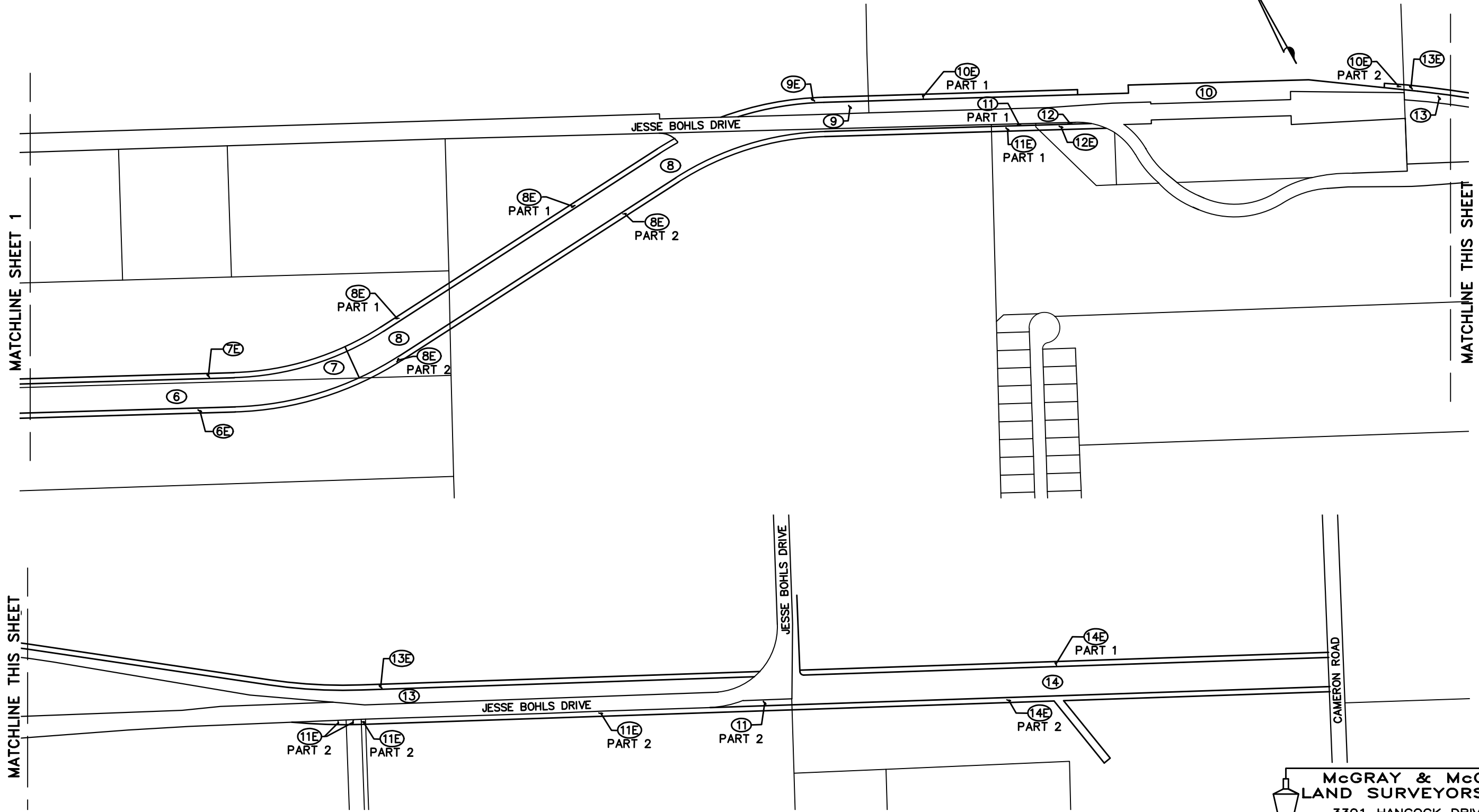
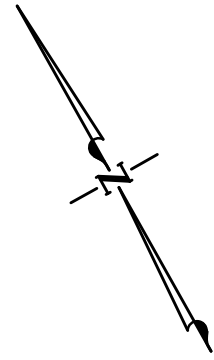
PRELIMINARY

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# PFLUGERVILLE PARKWAY PARCEL INDEX SHEET



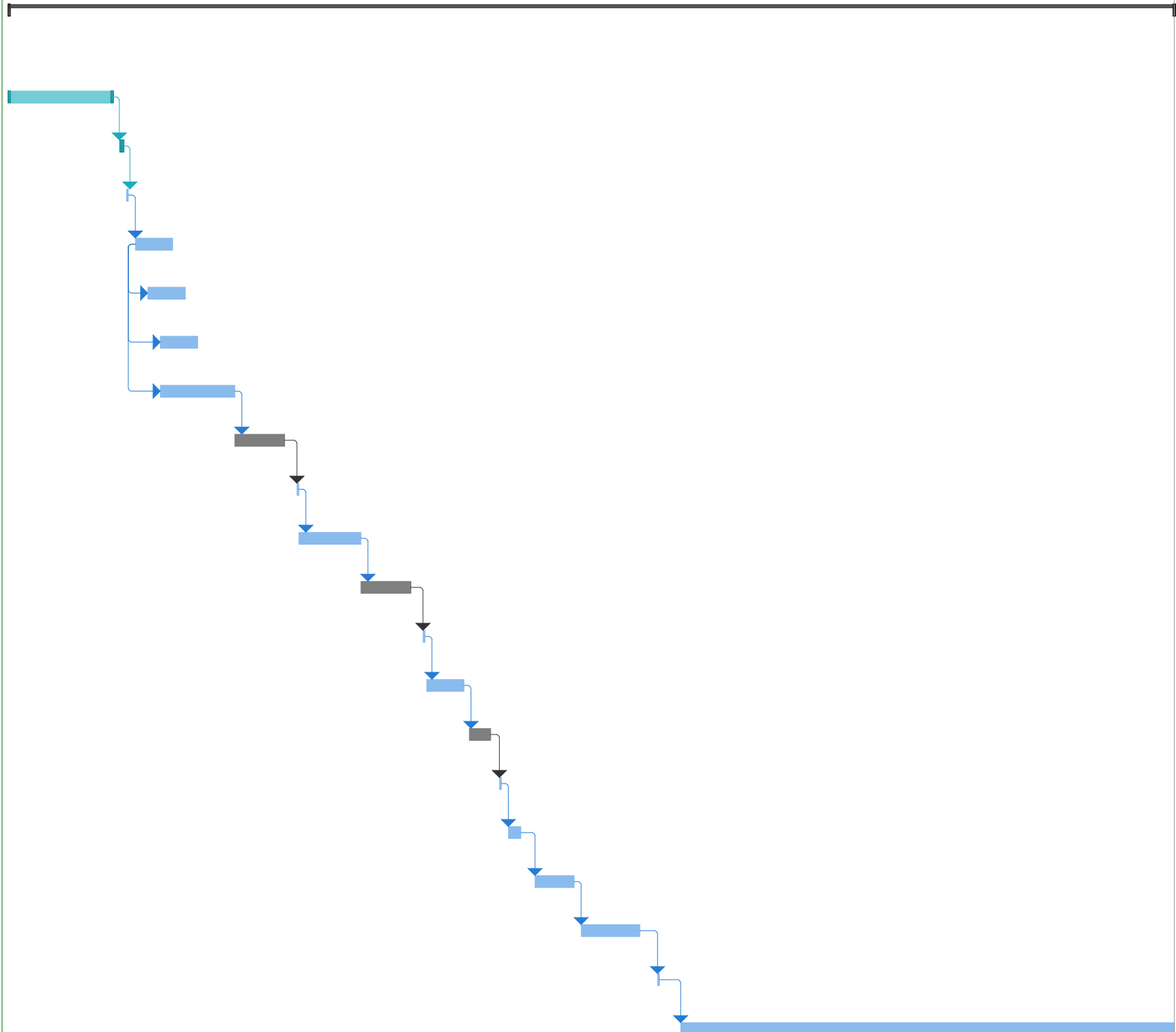
GRAPHIC SCALE  
SCALE 1" = 400'



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TBPELS FIRM #10095500

Addendum to Exhibit B - E. Pflugerville Pkwy PS&E: East Ciy Limits to Jesse Bohls Connection

| ID | Task Name  | Duration        | Start             | Finish             | Predecessors | Qtr 3, 2021 |     |     | Qtr 4, 2021 |     |     | Qtr 1, 2022 |     |     | Qtr 2, 2022 |     |     | Qtr 3, 2022 |     |     | Qtr 4, 2022 |     |     | Qtr 1, 2023 |     |     | Qtr 2, 2023 |     |
|----|--|-----------------|-------------------|--------------------|--------------|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|
|    |  |                 |                   |                    |              | Jul         | Aug | Sep | Oct         | Nov | Dec | Jan         | Feb | Mar | Apr         | May | Jun | Jul         | Aug | Sep | Oct         | Nov | Dec | Jan         | Feb | Mar | Apr         | May |
| 1  | <b>E. Pflugerville Pkwy PS&amp;E: East City Limits to Jesse Bohls Connection</b> | <b>470 days</b> | <b>Mon 8/2/21</b> | <b>Fri 5/19/23</b> |              |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 2  | Finalize ILA & Supplemental  | 42 days         | Mon 8/2/21        | Tue 9/28/21        |              |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 3  | NTP  | 1 day           | Mon 10/4/21       | Mon 10/4/21        | 2FS+3 days   |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 4  | Kickoff Meeting  | 1 day           | Thu 10/7/21       | Thu 10/7/21        | 3FS+2 days   |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 5  | Finalize Roadway Design/Model  | 15 days         | Tue 10/12/21      | Mon 11/1/21        | 4FS+2 days   |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 6  | Finalize Drainage Design/Model   | 15 days         | Tue 10/19/21      | Mon 11/8/21        | 5SS+5 days   |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 7  | 60% CoPf Plans Revisions   | 15 days         | Tue 10/26/21      | Mon 11/15/21       | 2SS+10 days  |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 8  | 60% Plans Development  | 30 days         | Tue 10/26/21      | Mon 12/6/21        | 5SS+10 days  |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 9  | 60% Plans Review   | 20 days         | Tue 12/7/21       | Mon 1/3/22         | 8            |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 10 | 60% C/R Meeting  | 1 day           | Tue 1/11/22       | Tue 1/11/22        | 9FS+5 days   |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 11 | 90% Development  | 25 days         | Wed 1/12/22       | Tue 2/15/22        | 10           |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 12 | 90% Plans Review   | 20 days         | Wed 2/16/22       | Tue 3/15/22        | 11           |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 13 | 90% C/R Meeting  | 1 day           | Wed 3/23/22       | Wed 3/23/22        | 12FS+5 days  |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 14 | 100% Plans Development   | 15 days         | Fri 3/25/22       | Thu 4/14/22        | 13FS+1 day   |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 15 | 100% Plans Review  | 10 days         | Mon 4/18/22       | Fri 4/29/22        | 14FS+1 day   |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 16 | 100% C/R Meeting   | 1 day           | Thu 5/5/22        | Thu 5/5/22         | 15FS+3 days  |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 17 | Final PS&E Submittal   | 5 days          | Tue 5/10/22       | Mon 5/16/22        | 16FS+2 days  |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 18 | SOLICIT BIDS   | 16 days         | Wed 5/25/22       | Wed 6/15/22        | 17FS+6 days  |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 19 | Award & Contract Execution   | 25 days         | Mon 6/20/22       | Fri 7/22/22        | 18FS+2 days  |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 20 | Pre-Con Meeting & NTP  | 1 day           | Tue 8/2/22        | Tue 8/2/22         | 19FS+6 days  |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |
| 21 | CONSTRUCTION   | 200 days        | Mon 8/15/22       | Fri 5/19/23        | 20FS+8 days  |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |     |             |     |



|  |           |  |                    |  |                       |  |                    |  |                 |  |
|--|-----------|--|--------------------|--|-----------------------|--|--------------------|--|-----------------|--|
| Project: East Pflugerville Parkwa<br>Date: Thu 7/29/21 | Task      |  | Project Summary    |  | Manual Task           |  | Start-only         |  | Deadline        |  |
|  | Split     |  | Inactive Task      |  | Duration-only         |  | Finish-only        |  | Progress        |  |
|  | Milestone |  | Inactive Milestone |  | Manual Summary Rollup |  | External Tasks     |  | Manual Progress |  |
|  | Summary   |  | Inactive Summary   |  | Manual Summary        |  | External Milestone |  |                 |  |



**E. PFLUGERVILLE PKWY  
FEE ESTIMATE**

**ADDENDUM TO EXHIBIT C - FEE SCHEDULE - Additional Meets & Bounds and PS&E Development for Jesse Bolhs Connection**

**PROJECT NAME:** E. Pflugerville Pkwy  
**CLIENT NAME:** Travis County thru City of Pflugerville Interlocal Agreement  
**PRIME PROVIDER NAME:** LJA Engineering, Inc.

**Date:** 8/12/2021

| <b>E. PFLUGERVILLE PKWY - JESSE BOHLS CONNECTION PROJECT</b> |           |                 |                  |        |                 |               |       |          |
|--|-----------|-----------------|------------------|--------|-----------------|---------------|-------|----------|
| TASK DESCRIPTION   | Senior PM | Senior Engineer | Project Engineer | E.I.T. | Senior Eng Tech | CADD Operator | Admin | Total    |
| <b>FC 120 - Environmental Studies</b>                        |           |                 |                  |        |                 |               |       |          |
| See aci consulting Fee Schedule in Exhibit A                 |           |                 |                  |        |                 |               |       | \$16,500 |

| TASK DESCRIPTION                                      | Senior PM | Senior Engineer | Project Engineer | E.I.T.  | Senior Eng Tech | CADD Operator | Admin   | Total    |
|---|-----------|-----------------|------------------|---------|-----------------|---------------|---------|----------|
| <b>FC 145 - Project Management</b>                    |           |                 |                  |         |                 |               |         |          |
| Prepare Project Management Plan                       | 1.0       | 4.0             |                  |         |                 |               |         | 5.0      |
| Prepare Project Specific QA/QC Plan                   | 1.0       | 4.0             |                  |         |                 |               |         | 5.0      |
| Kick-off Meeting with COUNTY and CITY                 | 1.0       | 1.0             | 2.0              |         |                 |               |         | 4.0      |
| Internal Kick-off Meeting with PS&E Team              | 1.0       | 1.0             | 1.0              | 1.0     | 1.0             | 1.0           | 2.0     | 8.0      |
| Milestone Meetings (3)                                | 6.0       | 6.0             | 6.0              |         |                 |               |         | 18.0     |
| Team Coordination Meetings (12)                       | 12.0      | 12.0            | 12.0             | 4.0     |                 |               |         | 40.0     |
| Meeting Minutes (All Meetings w/ COUNTY)              | 1.0       |                 | 4.0              |         |                 |               | 6.0     | 11.0     |
| Master Contract and Sub Consultant Contract           | 1.0       | 4.0             |                  |         |                 |               | 6.0     | 11.0     |
| Monthly Invoices                                      | 8.0       |                 | 8.0              |         |                 |               | 16.0    | 32.0     |
| Manage Sub Consultants                                |           |                 |                  |         |                 |               |         | 0.0      |
| Env Study - aci                                       | 2.0       | 4.0             | 6.0              |         |                 |               | 4.0     | 16.0     |
| Meets & Bounds - McGray & McGray Land Surveyors, Inc. | 5.0       |                 |                  |         |                 |               | 5.0     | 10.0     |
| Project Schedule Updates                              | 1.0       | 2.0             | 4.0              |         |                 |               |         | 7.0      |
| Document Control                                      |           |                 | 4.0              | 8.0     |                 |               | 12.0    | 24.0     |
| Prepare Submittals                                    | 2.0       | 4.0             |                  | 8.0     |                 |               | 12.0    | 26.0     |
| <b>HOURS SUB-TOTALS</b>                               | 42.0      | 42.0            | 47.0             | 21.0    | 1.0             | 1.0           | 63.0    | 217.0    |
| <b>LABOR RATE PER HOUR</b>                            | \$230     | \$180           | \$160            | \$135   | \$120           | \$85          | \$70    |          |
| <b>SUBTOTAL</b>                                       | \$9,660   | \$7,560         | \$7,520          | \$2,835 | \$120           | \$85          | \$4,410 | \$32,190 |

**E. PFLUGERVILLE PKWY  
FEE ESTIMATE**

**ADDENDUM TO EXHIBIT C - FEE SCHEDULE - Additional Meets & Bounds and PS&E Development for Jesse Bolhs Connection**

**PROJECT NAME:** E. Pflugerville Pkwy  
**CLIENT NAME:** Travis County thru City of Pflugerville Interlocal Agreement  
**PRIME PROVIDER NAME:** LJA Engineering, Inc.

**Date:** 8/12/2021

| <b>E. PFLUGERVILLE PKWY - JESSE BOHLS CONNECTION PROJECT</b> |           |                 |                  |        |                 |               |       |          |
|--|-----------|-----------------|------------------|--------|-----------------|---------------|-------|----------|
| TASK DESCRIPTION   | Senior PM | Senior Engineer | Project Engineer | E.I.T. | Senior Eng Tech | CADD Operator | Admin | Total    |
| <b>FC 150 - Topographical &amp; Boundary Survey</b>          |           |                 |                  |        |                 |               |       |          |
| See McGray & McGray Fee Schedule in Exhibit A                |           |                 |                  |        |                 |               |       | \$95,000 |

| TASK DESCRIPTION                                     | Senior PM | Senior Engineer | Project Engineer | E.I.T.   | Senior Eng Tech | CADD Operator | Admin | Total    |
|--|-----------|-----------------|------------------|----------|-----------------|---------------|-------|----------|
| <b>FC 160 - PS&amp;E Roadway Design</b>              |           |                 |                  |          |                 |               |       |          |
| Adjust and Finalize Plan, Profile, & 3D model        |           | 4.0             | 8.0              | 16.0     |                 |               |       | 28.0     |
| Title Sheet  |           | 2.0             | 2.0              | 4.0      |                 | 8.0           |       | 16.0     |
| Index Sheet  |           |                 | 4.0              | 4.0      |                 | 8.0           |       | 16.0     |
| Project Layouts Sheets                               |           | 2.0             | 4.0              | 8.0      |                 | 8.0           |       | 22.0     |
| Typical Sections Sheets                              |           | 2.0             | 4.0              | 8.0      |                 | 8.0           |       | 22.0     |
| Horizontal Alignment Sheets                          |           | 1.0             | 2.0              | 4.0      |                 | 2.0           |       | 9.0      |
| Roadway Plan and Profile Sheets (100 scale)          |           | 6.0             | 9.0              | 18.0     |                 | 30.0          |       | 63.0     |
| Cross Street Plan and Profile Sheets                 |           | 2.0             | 4.0              | 8.0      |                 | 16.0          |       | 30.0     |
| Intersection Layout/Grading Sheet                    |           | 2.0             | 8.0              | 12.0     | 20.0            |               |       | 42.0     |
| Miscellaneous Roadway Detail Sheets                  |           | 2.0             | 4.0              | 8.0      |                 | 12.0          |       | 26.0     |
| Driveway Plan and Profile Sheets (2 Per Page)        |           | 2.0             | 4.0              | 12.0     |                 | 24.0          |       | 42.0     |
| Proposed Cross Section Sheets                        |           | 4.0             | 8.0              | 12.0     | 40.0            |               |       | 64.0     |
| Earthwork Determination                              |           | 2.0             | 4.0              | 8.0      |                 |               |       | 14.0     |
| Quantity Summaries                                   |           | 2.0             | 8.0              | 20.0     |                 | 8.0           |       | 38.0     |
| Cost Estimate (60, 90, 100%)                         |           | 4.0             | 10.0             | 20.0     |                 |               |       | 34.0     |
| Standards  |           | 1.0             | 2.0              | 4.0      |                 | 4.0           |       | 11.0     |
| Prepare Contract documents and create project manual | 2.0       | 8.0             | 16.0             | 24.0     |                 |               |       | 50.0     |
| <b>HOURS SUB-TOTALS</b>                              | 2.0       | 46.0            | 101.0            | 190.0    | 60.0            | 128.0         | 0.0   | 527.0    |
| <b>LABOR RATE PER HOUR</b>                           | \$230     | \$180           | \$160            | \$135    | \$120           | \$85          | \$70  |          |
| <b>SUBTOTAL</b>                                      | \$460     | \$8,280         | \$16,160         | \$25,650 | \$7,200         | \$10,880      | \$0   | \$68,630 |

**E. PFLUGERVILLE PKWY  
FEE ESTIMATE**

**ADDENDUM TO EXHIBIT C - FEE SCHEDULE - Additional Meets & Bounds and PS&E Development for Jesse Bolhs Connection**

**PROJECT NAME:** E. Pflugerville Pkwy  
**CLIENT NAME:** Travis County thru City of Pflugerville Interlocal Agreement  
**PRIME PROVIDER NAME:** LJA Engineering, Inc.

**Date:** 8/12/2021

| <b>E. PFLUGERVILLE PKWY - JESSE BOHLS CONNECTION PROJECT</b> |           |                 |                  |          |                 |               |       |          |
|--|-----------|-----------------|------------------|----------|-----------------|---------------|-------|----------|
| TASK DESCRIPTION   | Senior PM | Senior Engineer | Project Engineer | E.I.T.   | Senior Eng Tech | CADD Operator | Admin | Total    |
| <b>FC 161 - PS&amp;E Drainage Design</b>                     |           |                 |                  |          |                 |               |       |          |
| Finalize Exterior Drainage Areas                             |           | 2.0             | 4.0              | 4.0      |                 |               |       | 10.0     |
| Finalize Culvert Design                                      | 1.0       | 2.0             | 4.0              | 8.0      |                 |               |       | 15.0     |
| Produce Culvert Cross Sections                               |           |                 |                  | 8.0      | 8.0             |               |       | 16.0     |
| Delineate Interior Drainage Areas                            |           | 2.0             | 4.0              | 8.0      |                 |               |       | 14.0     |
| Place Inlets   |           | 2.0             | 4.0              | 8.0      |                 |               |       | 14.0     |
| Design Storm Sewer System                                    |           | 4.0             | 4.0              | 8.0      |                 |               |       | 16.0     |
| Design Roadside Ditches                                      |           | 2.0             | 4.0              | 8.0      |                 |               |       | 14.0     |
| Drainage Area Map Sheets                                     |           | 2.0             | 2.0              | 16.0     |                 | 16.0          |       | 36.0     |
| Culvert Layout Sheets  |           | 4.0             | 16.0             | 16.0     | 16.0            | 16.0          |       | 68.0     |
| Drainage Plan & Profile Sheets                               |           | 4.0             | 8.0              | 24.0     | 24.0            | 12.0          |       | 72.0     |
| Storm Sewer Lateral Profile Sheets                           |           |                 | 2.0              | 12.0     |                 | 16.0          |       | 30.0     |
| Hydraulic Data Sheets – Culverts                             |           | 1.0             | 4.0              | 8.0      |                 | 8.0           |       | 21.0     |
| Hydraulic Data Sheets – Drainage Areas                       |           | 1.0             | 4.0              | 8.0      |                 | 8.0           |       | 21.0     |
| Hydraulic Data Sheets – Inlets                               |           | 1.0             | 4.0              | 8.0      |                 | 8.0           |       | 21.0     |
| Hydraulic Data Sheets – Links                                |           | 1.0             | 4.0              | 8.0      |                 | 8.0           |       | 21.0     |
| Hydraulic Data Sheets – Ditches                              |           | 1.0             | 4.0              | 8.0      |                 | 8.0           |       | 21.0     |
| Quantity Summaries   |           | 1.0             | 8.0              | 16.0     |                 |               |       | 25.0     |
| Drainage Standards   |           |                 | 2.0              |          | 8.0             |               |       | 10.0     |
| <b>HOURS SUB-TOTALS</b>                                      | 1.0       | 30.0            | 82.0             | 176.0    | 56.0            | 100.0         | 0.0   | 445.0    |
| <b>LABOR RATE PER HOUR</b>                                   | \$230     | \$180           | \$160            | \$135    | \$120           | \$85          | \$70  |          |
| <b>SUBTOTAL</b>  | \$230     | \$5,400         | \$13,120         | \$23,760 | \$6,720         | \$8,500       | \$0   | \$57,730 |

| TASK DESCRIPTION                                | Senior PM | Senior Engineer | Project Engineer | E.I.T.  | Senior Eng Tech | CADD Operator | Admin | Total    |
|---|-----------|-----------------|------------------|---------|-----------------|---------------|-------|----------|
| <b>FC 162.1 - Signing and Pavement Markings</b> |           |                 |                  |         |                 |               |       |          |
| Signing & Pavement Marking Sheets               |           | 4.0             | 12.0             | 24.0    |                 | 24.0          |       | 64.0     |
| Small Sign Summary                              |           |                 | 4.0              | 8.0     |                 | 4.0           |       | 16.0     |
| Standards                                       |           |                 | 2.0              | 4.0     |                 | 4.0           |       | 10.0     |
| Quantity Summaries                              |           | 2.0             | 3.0              | 12.0    |                 | 8.0           |       | 25.0     |
| <b>HOURS SUB-TOTALS</b>                         | 0.0       | 6.0             | 21.0             | 48.0    | 0.0             | 40.0          | 0.0   | 115.0    |
| <b>LABOR RATE PER HOUR</b>                      | \$230     | \$180           | \$160            | \$135   | \$120           | \$85          | \$70  |          |
| <b>SUBTOTAL</b>                                 | \$0       | \$1,080         | \$3,360          | \$6,480 | \$0             | \$3,400       | \$0   | \$14,320 |

**E. PFLUGERVILLE PKWY  
FEE ESTIMATE**

**ADDENDUM TO EXHIBIT C - FEE SCHEDULE - Additional Meets & Bounds and PS&E Development for Jesse Bolhs Connection**

**PROJECT NAME:** E. Pflugerville Pkwy  
**CLIENT NAME:** Travis County thru City of Pflugerville Interlocal Agreement  
**PRIME PROVIDER NAME:** LJA Engineering, Inc.

**Date:** 8/12/2021

| <b>E. PFLUGERVILLE PKWY - JESSE BOHLS CONNECTION PROJECT</b> |           |                 |                  |          |                 |               |       |          |
|--|-----------|-----------------|------------------|----------|-----------------|---------------|-------|----------|
| TASK DESCRIPTION   | Senior PM | Senior Engineer | Project Engineer | E.I.T.   | Senior Eng Tech | CADD Operator | Admin | Total    |
| <b>FC 163.3 - Traffic Control and Erosion Control</b>        |           |                 |                  |          |                 |               |       |          |
| TCP Typical Sections   |           | 1.0             | 4.0              | 12.0     |                 | 16.0          |       | 33.0     |
| TCP Narrative  |           | 1.0             | 4.0              | 8.0      |                 | 4.0           |       | 17.0     |
| TCP Phase 1 Layouts (50 Scale)                               |           | 1.0             | 4.0              | 8.0      |                 | 16.0          |       | 29.0     |
| TCP Phase 2 Layouts (50 Scale)                               |           | 1.0             | 4.0              | 8.0      |                 | 16.0          |       | 29.0     |
| TCP Phase 3 Layouts (50 Scale)                               |           | 1.0             | 4.0              | 8.0      |                 | 16.0          |       | 29.0     |
| Intersection Phasing Details (1 location)                    |           | 1.0             | 4.0              | 12.0     |                 | 12.0          |       | 29.0     |
| Detour Layout  |           | 1.0             | 4.0              | 8.0      |                 | 12.0          |       | 25.0     |
| Design of Temporary Erosion Control Measures                 |           | 1.0             | 4.0              | 12.0     |                 | 8.0           |       | 25.0     |
| TCP Standards  |           |                 | 2.0              | 4.0      |                 | 4.0           |       | 10.0     |
| TCP Quantity Summary   |           | 1.0             | 4.0              | 12.0     |                 | 4.0           |       | 21.0     |
| Temporary Erosion Control Standards                          |           |                 | 2.0              | 4.0      |                 | 4.0           |       | 10.0     |
| Temporary Erosion Control Quantity Summary                   |           | 1.0             | 4.0              | 12.0     |                 | 4.0           |       | 21.0     |
| HOURS SUB-TOTALS   | 0.0       | 10.0            | 44.0             | 108.0    | 0.0             | 116.0         | 0.0   | 278.0    |
| LABOR RATE PER HOUR  | \$230     | \$180           | \$160            | \$135    | \$120           | \$85          | \$70  |          |
| <b>SUBTOTAL</b>  | \$0       | \$1,800         | \$7,040          | \$14,580 | \$0             | \$9,860       | \$0   | \$33,280 |

| TASK DESCRIPTION                    | Senior PM | Senior Engineer | Project Engineer | E.I.T. | Senior Eng Tech | CADD Operator | Admin | Total |
|-------------------------------------|-----------|-----------------|------------------|--------|-----------------|---------------|-------|-------|
| <b>FC 163.5 - Illumination NONE</b> |           |                 |                  |        |                 |               |       |       |
| HOURS SUB-TOTALS                    | 0.0       | 0.0             | 0.0              | 0.0    | 0.0             | 0.0           | 0.0   | 0.0   |
| LABOR RATE PER HOUR                 | \$230     | \$180           | \$160            | \$135  | \$120           | \$85          | \$70  |       |
| <b>SUBTOTAL</b>                     | \$0       | \$0             | \$0              | \$0    | \$0             | \$0           | \$0   | \$0   |

**E. PFLUGERVILLE PKWY  
FEE ESTIMATE**

**ADDENDUM TO EXHIBIT C - FEE SCHEDULE - Additional Meets & Bounds and PS&E Development for Jesse Bolhs Connection**

**PROJECT NAME:** E. Pflugerville Pkwy  
**CLIENT NAME:** Travis County thru City of Pflugerville Interlocal Agreement  
**PRIME PROVIDER NAME:** LJA Engineering, Inc.

**Date:** 8/12/2021

| <b>E. PFLUGERVILLE PKWY - JESSE BOHLS CONNECTION PROJECT</b> |              |                 |                  |              |                 |               |             |                |
|--|--------------|-----------------|------------------|--------------|-----------------|---------------|-------------|----------------|
| TASK DESCRIPTION   | Senior PM    | Senior Engineer | Project Engineer | E.I.T.       | Senior Eng Tech | CADD Operator | Admin       | Total          |
| <b>FC 163.15 - Contract Time Determination</b>               |              |                 |                  |              |                 |               |             |                |
| Prepare Construction Schedule 90%                            | 1.0          | 4.0             | 12.0             |              |                 |               |             | 17.0           |
| Prepare Construction Schedule 100%                           | 1.0          | 2.0             | 6.0              |              |                 |               |             | 9.0            |
| <b>HOURS SUB-TOTALS</b>                                      | <b>2.0</b>   | <b>6.0</b>      | <b>18.0</b>      | <b>0.0</b>   | <b>0.0</b>      | <b>0.0</b>    | <b>0.0</b>  | <b>26.0</b>    |
| <b>LABOR RATE PER HOUR</b>                                   | <b>\$230</b> | <b>\$180</b>    | <b>\$160</b>     | <b>\$135</b> | <b>\$120</b>    | <b>\$85</b>   | <b>\$70</b> |                |
| <b>SUBTOTAL</b>  | <b>\$460</b> | <b>\$1,080</b>  | <b>\$2,880</b>   | <b>\$0</b>   | <b>\$0</b>      | <b>\$0</b>    | <b>\$0</b>  | <b>\$4,420</b> |

| TASK DESCRIPTION                                | Senior PM      | Senior Engineer | Project Engineer | E.I.T.         | Senior Eng Tech | CADD Operator  | Admin       | Total           |
|---|----------------|-----------------|------------------|----------------|-----------------|----------------|-------------|-----------------|
| <b>FC 163.17 - Comment Resolution and QA/QC</b> |                |                 |                  |                |                 |                |             |                 |
| QA/QC 60% Submittal                             | 4.0            | 12.0            | 8.0              |                |                 |                |             | 24.0            |
| QA/QC 90% Submittal                             | 4.0            | 12.0            | 8.0              |                |                 |                |             | 24.0            |
| QA/QC 100% Submittal                            | 4.0            | 12.0            | 8.0              |                |                 |                |             | 24.0            |
| Respond to COUNTY comments 60%                  | 1.0            | 2.0             | 4.0              | 8.0            | 4.0             | 8.0            |             | 27.0            |
| Respond to COUNTY comments 90%                  | 1.0            | 1.0             | 2.0              | 4.0            | 2.0             | 4.0            |             | 14.0            |
| Respond to COUNTY comments 100%                 | 1.0            | 1.0             | 2.0              | 4.0            |                 | 4.0            |             | 12.0            |
| <b>HOURS SUB-TOTALS</b>                         | <b>15.0</b>    | <b>40.0</b>     | <b>32.0</b>      | <b>16.0</b>    | <b>6.0</b>      | <b>16.0</b>    | <b>0.0</b>  | <b>125.0</b>    |
| <b>LABOR RATE PER HOUR</b>                      | <b>\$230</b>   | <b>\$180</b>    | <b>\$160</b>     | <b>\$135</b>   | <b>\$120</b>    | <b>\$85</b>    | <b>\$70</b> |                 |
| <b>SUBTOTAL</b>                                 | <b>\$3,450</b> | <b>\$7,200</b>  | <b>\$5,120</b>   | <b>\$2,160</b> | <b>\$720</b>    | <b>\$1,360</b> | <b>\$0</b>  | <b>\$20,010</b> |

**E. PFLUGERVILLE PKWY  
FEE ESTIMATE**

**ADDENDUM TO EXHIBIT C - FEE SCHEDULE - Additional Meets & Bounds and PS&E Development for Jesse Bolhs Connection**

**PROJECT NAME:** E. Pflugerville Pkwy  
**CLIENT NAME:** Travis County thru City of Pflugerville Interlocal Agreement  
**PRIME PROVIDER NAME:** LJA Engineering, Inc.

**Date:** 8/12/2021

**E. PFLUGERVILLE PKWY - JESSE BOHLS CONNECTION PROJECT**

| TASK DESCRIPTION  | Senior Project Manager | Senior Engineer/Planner | Project Engineer | E.I.T.   | Senior Engineering Tech | CADD Operator | Admin   | Total    |
|---|------------------------|-------------------------|------------------|----------|-------------------------|---------------|---------|----------|
| <b>FC 309 - Bid/Construction Phase Services</b>                 |                        |                         |                  |          |                         |               |         |          |
| <b>Advertising, Bidding Phase</b>                               |                        |                         |                  |          |                         |               |         | 0.0      |
| Prepare Contract documents and create project manual            |                        | 8.0                     | 24.0             | 40.0     |                         |               |         | 72.0     |
| Assist in Advertisement   |                        | 2.0                     |                  | 2.0      |                         |               |         | 4.0      |
| Conduct Pre-Bid Conference                                      |                        | 4.0                     |                  | 4.0      |                         |               |         | 8.0      |
| Answer Bid Questions  |                        | 4.0                     | 8.0              | 8.0      |                         |               |         | 20.0     |
| Conduct Bid Opening   |                        | 1.0                     |                  | 2.0      |                         |               |         | 3.0      |
| Prepare Bid Tabulation and Recommendation for Award             |                        | 1.0                     | 4.0              | 8.0      |                         |               |         | 13.0     |
| Assist in execution of construction contract                    |                        | 4.0                     |                  | 4.0      |                         |               |         | 8.0      |
| <b>Construction Phase Services</b>                              |                        |                         |                  |          |                         |               |         | 0.0      |
| Attend Pre-Construction Meeting                                 |                        | 4.0                     | 8.0              | 4.0      |                         |               |         | 16.0     |
| RFI's (3)   |                        | 6.0                     | 12.0             | 16.0     |                         |               |         | 34.0     |
| Approve Specifications/Submittals                               |                        | 8.0                     | 12.0             | 24.0     |                         |               |         | 44.0     |
| Conduct Construction Progress Meetings (6) with Meeting Minutes |                        | 12.0                    | 24.0             | 6.0      |                         |               | 12.0    | 54.0     |
| Process Pay Applications  |                        | 8.0                     |                  |          |                         |               | 8.0     | 16.0     |
| Prepare As-Built Plans  |                        | 4.0                     | 8.0              | 20.0     |                         | 20.0          |         | 52.0     |
| Prepare, process City Directed Change Order (2)                 |                        | 8.0                     | 16.0             | 24.0     |                         | 16.0          |         | 64.0     |
| <b>HOURS SUB-TOTALS</b>   | 0.0                    | 74.0                    | 116.0            | 162.0    | 0.0                     | 36.0          | 20.0    | 408.0    |
| <b>LABOR RATE PER HOUR</b>                                      | \$230                  | \$180                   | \$160            | \$135    | \$120                   | \$85          | \$70    |          |
| <b>SUBTOTAL</b>   | \$0                    | \$13,320                | \$18,560         | \$21,870 | \$0                     | \$3,060       | \$1,400 | \$58,210 |

**E. PFLUGERVILLE PKWY  
FEE ESTIMATE**

**ADDENDUM TO EXHIBIT C - FEE SCHEDULE - Additional Meets & Bounds and PS&E Development for Jesse Bolhs Connection**

**PROJECT NAME:** E. Pflugerville Pkwy  
**CLIENT NAME:** Travis County thru City of Pflugerville Interlocal Agreement  
**PRIME PROVIDER NAME:** LJA Engineering, Inc.

**Date:** 8/12/2021

| <b>E. PFLUGERVILLE PKWY - JESSE BOHLS CONNECTION PROJECT</b>      |                  |                  |                  |                  |                  |                  |                 |                     |
|---|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|---------------------|
| TASK DESCRIPTION  | Senior PM        | Senior Engineer  | Project Engineer | E.I.T.           | Senior Eng Tech  | CADD Operator    | Admin           | Total               |
| FC 120 - Environmental Studies                                    | \$0              | \$0              | \$0              | \$0              | \$0              | \$0              | \$0             | \$ -                |
| FC 145 - Project Management                                       | \$9,660          | \$7,560          | \$7,520          | \$2,835          | \$120            | \$85             | \$4,410         | \$ 32,190.00        |
| FC 150 - Topographical & Boundary Survey                          | \$0              | \$0              | \$0              | \$0              | \$0              | \$0              | \$0             | \$ -                |
| FC 160 - PS&E Roadway Design                                      | \$460            | \$8,280          | \$16,160         | \$25,650         | \$7,200          | \$10,880         | \$0             | \$ 68,630.00        |
| FC 161 - PS&E Drainage Design                                     | \$230            | \$5,400          | \$13,120         | \$23,760         | \$6,720          | \$8,500          | \$0             | \$ 57,730.00        |
| FC 162.1 - Signing and Pavement Markings                          | \$0              | \$1,080          | \$3,360          | \$6,480          | \$0              | \$3,400          | \$0             | \$ 14,320.00        |
| FC 163.3 - Traffic Control and Erosion Control                    | \$0              | \$1,800          | \$7,040          | \$14,580         | \$0              | \$9,860          | \$0             | \$ 33,280.00        |
| FC 163.5 - Illumination NONE                                      | \$0              | \$0              | \$0              | \$0              | \$0              | \$0              | \$0             | \$ -                |
| FC 163.15 - Contract Time Determination                           | \$460            | \$1,080          | \$2,880          | \$0              | \$0              | \$0              | \$0             | \$ 4,420.00         |
| FC 163.17 - Comment Resolution and QA/QC                          | \$3,450          | \$7,200          | \$5,120          | \$2,160          | \$720            | \$1,360          | \$0             | \$ 20,010.00        |
| FC 309 - Bid/Construction Phase Services                          | \$0              | \$13,320         | \$18,560         | \$21,870         | \$0              | \$3,060          | \$1,400         | \$ 58,210.00        |
| <b>SUBTOTAL LABOR EXPENSES</b>                                    | <b>\$ 14,260</b> | <b>\$ 32,400</b> | <b>\$ 55,200</b> | <b>\$ 75,465</b> | <b>\$ 14,760</b> | <b>\$ 34,085</b> | <b>\$ 4,410</b> | <b>\$288,790.00</b> |
| <b>DIRECT EXPENSES</b>  | <b>Rate</b>      | <b>Quantity</b>  | <b>Cost</b>      |                  |                  |                  |                 |                     |
| Mileage   | \$0.58           | 250              | \$143.75         |                  |                  |                  |                 | \$143.75            |
| Courier Services (Deliveries)                                     | \$30.00          | 5                | \$150.00         |                  |                  |                  |                 | \$150.00            |
| CADD Plotting (per SQ/FT)   | \$1.50           | 50               | \$75.00          |                  |                  |                  |                 | \$75.00             |
| Photocopies B/W (8.5 X 11)  | \$0.10           | 150              | \$15.00          |                  |                  |                  |                 | \$15.00             |
| Photocopies B/W (11 X 17)   | \$0.15           | 1000             | \$150.00         |                  |                  |                  |                 | \$150.00            |
| Photocopies Color (8 X 10)  | \$0.75           | 20               | \$15.00          |                  |                  |                  |                 | \$15.00             |
| Photocopies Color (11 X 17)                                       | \$1.00           | 50               | \$50.00          |                  |                  |                  |                 | \$50.00             |
| TDLR Plan Review and Registration (to be paid by COUNTY directly) | \$0.00           | 1                | \$0.00           |                  |                  |                  |                 | \$0.00              |
| Outside Reproduction (Bid Sets)                                   | \$200.00         | 2                | \$400.00         |                  |                  |                  |                 | \$400.00            |
| Postage   | \$3.00           | 20               | \$60.00          |                  |                  |                  |                 | \$60.00             |
| Exhibit Roll Plots (Mounted Color on Bond)                        | \$100.00         | 0                | \$0.00           |                  |                  |                  |                 | \$0.00              |
| <b>SUBTOTAL DIRECT EXPENSES</b>                                   |                  |                  |                  |                  |                  |                  |                 | <b>\$1,058.75</b>   |
| <b>LJA ENGINEERING, INC. TOTAL</b>                                |                  |                  |                  |                  |                  |                  |                 | <b>\$289,848.75</b> |
| <b>SUBCONSULTANTS</b>   |                  |                  |                  |                  |                  |                  |                 |                     |
| ENV STUDIES (aci consultants)                                     |                  |                  |                  |                  |                  |                  |                 | \$16,500.00         |
| SURVEY (McGRAY & McGRAY)  |                  |                  |                  |                  |                  |                  |                 | \$95,000.00         |
| <b>TOTAL - SUB CONSULTANTS:</b>                                   |                  |                  |                  |                  |                  |                  |                 | <b>\$111,500.00</b> |
| <b>GRAND TOTAL</b>  |                  |                  |                  |                  |                  |                  |                 | <b>\$401,348.75</b> |

|                |                    |                            |
|----------------|--------------------|----------------------------|
| PS&E Devlp     | Travis Co.         | \$304,848.75               |
| Metes & Bounds | Travis Co.<br>CoPf | \$55,906.25<br>\$40,593.75 |

Please see cover sheet for full breakdown of Metes and Bounds

### Supplemental Metes and Bounds Fee Break Down

|                                       |              |
|---------------------------------------|--------------|
| Original EPP Fee for Metes and Bounds | \$ 62,500.00 |
| City Portion of Original              | \$ 30,156.25 |
| Travis County Portion of Original     | \$ 32,343.75 |

|   |               |
|---|---------------|
| Overall Total for Metes and Bounds<br>(Original + Supplemental) | \$ 157,500.00 |
|---|---------------|

|                    |              |
|--------------------|--------------|
| City Parcels (7)   | \$ 52,500.00 |
| City Easements (7) | \$ 17,500.00 |
| City Total         | \$ 70,000.00 |

|                       |              |
|-----------------------|--------------|
| County Parcels (8)    | \$ 60,000.00 |
| County Easements (11) | \$ 27,500.00 |
| County Total          | \$ 87,500.00 |

|                   |               |
|-------------------|---------------|
| Grand Total Check | \$ 157,500.00 |
|-------------------|---------------|

#### City Portion of Supplemental

|                              |              |
|------------------------------|--------------|
| City Total - Original Amount | \$ 39,843.75 |
| 50% LJA Fee                  | \$750.00     |

|                                  |                    |
|----------------------------------|--------------------|
| <b>City Total for Supplement</b> | <b>\$40,593.75</b> |
|----------------------------------|--------------------|

#### County Portion of Supplemental

|                                |              |
|--------------------------------|--------------|
| County Total - Original Amount | \$ 55,156.25 |
| 50% LJA Fee                    | \$750.00     |

|                                    |                    |
|------------------------------------|--------------------|
| <b>County Total for Supplement</b> | <b>\$55,906.25</b> |
|------------------------------------|--------------------|