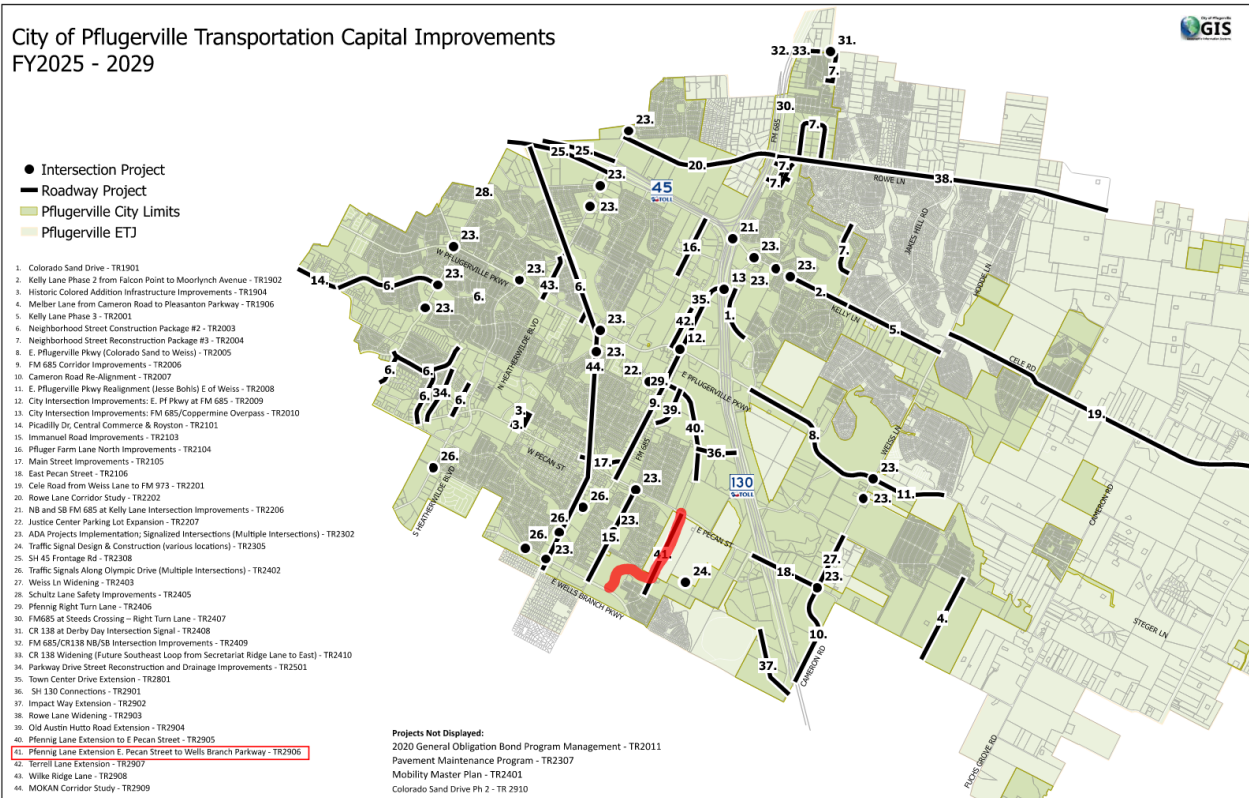




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TEXAS



Pfennig Lane Extension

E. Pecan St. to Wells Branch Parkway

Scope of Services

Attachment A



**BRIDGEFARMER &
ASSOCIATES, INC.**

November 2025

Project Description:

This project consists of the design of a new three-lane urban roadway extending Pfennig Lane from E. Pecan Street to Wells Branch Parkway. The work will be completed under a lump-sum contract and includes roadway geometrics, drainage improvements, utility coordination, ADA-compliant pedestrian features, illumination, traffic control, and all supporting elements required for complete construction documents, as well as bid-phase assistance and related construction-phase services.

1. Engineering and Design Phase Services

- Site Assessments: Conduct field surveys and geotechnical investigations to assess current site conditions (e.g., topography, drainage patterns, existing infrastructure).
- Environmental documentation and permitting as required by funding or other constraints.
- Traffic Analysis and Modeling: Perform traffic volume and flow analysis, including peak hour analysis, future projections, and safety assessments.
- Drainage Analysis: Evaluate current stormwater management systems, including flow patterns and capacity analysis for drainage infrastructure.
- Environmental Impact Assessment: Evaluate potential environmental impacts of the proposed transportation and drainage improvements (e.g., floodplain impacts, water quality).
- Feasibility Study Report: Deliver a report detailing the findings from the assessments and analyses, with recommended solutions for transportation and drainage improvements.
- Prepare project manual, drawings, and opinion of probable construction costs based on evaluation and recommendations which comply with applicable Federal, state, local regulations and Pflugerville's standards.
- Engineering documents: Deliver for City review and comment at the 30%, 60%, 90%, and 100% unsealed stages of completion.
- Provide complete and detailed engineering documents for the bidding and construction.
- Final construction documents shall include topographic and boundary surveys where required, geotechnical investigation, environmental assessment and environmental clearances where required.
- Coordination with Stakeholders: Work with city officials, utility companies, and other stakeholders to ensure the proposed designs align with current infrastructure plans and goals.

2. Bid and Construction Phase Services

- Respond to questions during advertisement and prepare addenda during bid.
- Assist in evaluating bids, tabulating bids, and making recommendations for contract award.
- Provide detailed cost estimates for the construction.
- Prepare conformed project manual and drawings per addenda.
- Review and respond to shop drawings, submittals, requests for information (RFIs), change order proposals, and all other construction items.

- Conduct site visits as necessary to ensure general construction conformance with the contract documents.
- Assist in final construction walk through and punch list.
- Prepare record drawings per contractor's redlines.
- Assist in Reviewing and approval of As Built drawings.

3. Project Management Services

- Regulatory agency coordination and submission of associated required submittals for the duration of the entire project as required.
- Conduct regularly scheduled monthly meetings for the anticipated duration of the entire project, including preparing meeting agenda, minutes, and action items.
- Perform Quality Assurance/Quality Control (QA/QC) for the anticipated duration of the entire project.
- Coordination with Design Engineer of the other projects as required.

4. Deliverables

- Feasibility Study Report
- Preliminary Design Drawings and Reports
- Final PS&E (including TCP and SW3P)
- Bid Documents and Cost Estimates
- Utility Conflict Matrix and USRs
- Inspection and QC reports
- As-Built Drawings
- Final Project Closeout Report

RECEIVED: 11/25/2025

Mansoor Ahsan, PE -

Chief Executive Officer

