

PROFESSIONAL SERVICES AGREEMENT

This Professional Services Agreement (“Agreement”) by and between Tarrant County (County) and Parkhill (Consultant), located at 255 N. Center Street, Suite 200, Arlington, Texas effective on the date of approval in Tarrant County Commissioners Court.

SCOPE OF SERVICES

Consultant agrees to perform the services set forth in the Scope of Services attached as Attachment A Scope of Services Tinsley Lane Extension (Tinsley Scope) in a timely and professional manner, consistent with industry and professional standards, and in accordance with all applicable laws and the terms of this Agreement. If any services, functions or responsibilities not specifically described in this Tinsley Scope are required for the proper performance and provision of these services, they shall be deemed to be included with the Tinsley Scope.

Consultant agrees to perform, only upon written direction from Tarrant County, the services set forth in the Scope of Services attached as Attachment A Scope of Services Grants Lane Extension (Grants Scope) in a timely and professional manner, consistent with industry and professional standards, and in accordance with all applicable laws and the terms of this Agreement. If any services, functions or responsibilities not specifically described in this Grants Scope are required for the proper performance and provision of these services, they shall be deemed to be included with the Grants Scope.

TERM AND RENEWAL OPTIONS

Upon approval of this contract by the Tarrant County Commissioners Court, Consultant is authorized to begin the provision of services as described in the attached Tinsley Scope. Consultant agrees to complete the Tinsley Lane Extension design by February, 2024 in accordance with the Project Schedule shown in Attachment C.

PAYMENT AND INVOICING

Compensation to Consultant for the services described in the attached Tinsley Scope shall not exceed \$215,983 in the hourly rates as shown on Attachment B Fee Schedule Tinsley Lane Extension for the services under this Agreement, upon approval by the County. If authorized by Tarrant County to conduct services related to the Grants Scope, compensation to the Consultant for the services described in the attached Grants Scope shall not exceed \$177,464 in the hourly rates as shown on Attachment B – Fee Schedule Grants Lane Extension.

- a. Consultant is to advise the County of additional services that may be required to complete this project successfully prior to any services being performed that are not part of this agreement, and must obtain prior approval, in writing, by the County before those services are performed and invoiced.
- b. If in the execution of services, the County may request Consultant to remove a service, prior to Consultant’s performance of that service. Consultant agrees that the County will not be held responsible for costs associated with those services that were removed.

- c. Payments will be made monthly in arrears, on a net 30-day basis. The fee is to be inclusive of all travel costs.
- d. Invoices are to be detailed and reference the fees as shown in Attachment B Fee Schedule Tinsley Lane Extension and, if applicable, Attachment B Fee Schedule Grants Lane Extension. A summary of the work performed during the invoiced period should accompany the invoice submittal.
- e. Submit invoices to: Tarrant County Auditor's Office, Attention: Accounts Payable, 100 E. Weatherford St., Suite 506, Fort Worth, Texas 76196, phone: 817-884-1205, or email to: SAP-Invoices@tarrantcounty.com and rvskinner@tarrantcountytexas.gov. Invoices should reference the Purchase Order number.

COMPLIANCE WITH LAWS

1. In providing the services required by this Agreement, Consultant must observe and comply with all applicable federal, state, and local statutes, ordinances, rules, and regulations, including, without limitation, workers' compensation laws, minimum and maximum salary and wage statutes and regulations, and non-discrimination laws and regulations. Consultant shall be responsible for ensuring its compliance with any laws and regulations applicable to its business, including maintaining any necessary licenses and permits.

2. **Chapters 2271, 2252, and 2274 Texas Government Code Verification.**

(a) *Boycott of Israel Prohibited.* In compliance with Section [2271.001](#) et seq. of the Texas Government Code, Consultant verifies that neither it nor any of its affiliates currently boycott Israel and neither it nor any of its affiliates will boycott Israel during the term of this Agreement. "Boycott Israel" is defined in Section [808.001\(1\)](#) of the Texas Government Code.

(b) *Scrutinized Business Operations Prohibited.* In compliance with Section [2252.151](#) et seq. of the Texas Government Code, Consultant warrants and represents that: (1) neither Consultant nor any of its affiliates engages in scrutinized business operations in Sudan; (2) neither Consultant nor any of its affiliates engages in scrutinized business operations in Iran; and (3) neither Consultant nor any of its affiliates engages in scrutinized business operations with designated foreign terrorist organizations. "Scrutinized business operations in Sudan" is defined in Section [2270.0052](#) of the Texas Government Code. "Scrutinized business operations in Iran" is defined in Section [2270.0102](#) of the Texas Government Code. "Scrutinized business operations with designated foreign terrorist organizations" is defined in Section [2270.0152](#) of the Texas Government Code. Consultant further represents and warrants that neither Consultant nor any of its affiliates appears on any of the Texas Comptroller's [Scrutinized Companies Lists](#).

(c) *Boycott of Certain Energy Companies Prohibited.* In compliance with Section [2274.002](#) of the Texas Government Code (added by 87th Legislature, S.B. 13), Consultant verifies that neither it nor any of its affiliates currently boycott energy companies and neither it nor any of its affiliates will boycott energy companies during the term of this Agreement. "Boycott energy company" is defined in Section [809.001\(1\)](#) (added by 87th Legislature, S.B. 13) and means, without an ordinary business purpose, refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with a company because the company: (A) engages in the exploration,

production, utilization, transportation, sale, or manufacturing of fossil fuel-based energy and does not commit or pledge to meet environmental standards beyond applicable federal and state law; or (B) does business with a company described by subsection (A).

(d) *Discrimination against Firearm Entities or Firearm Trade Associations Prohibited.* In compliance with Section [2274.002](#) of the Texas Government Code (added by 87th Legislature, S.B. 19), Consultant verifies that neither it nor any of its affiliates have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and neither it nor any of its affiliates will discriminate during the term of the Agreement against a firearm entity or firearm trade association. "Discriminate against a firearm entity or firearm trade association" is defined in Section [2274.001\(3\)](#) (added by 87th Legislature, S.B. 19) and means, with respect to the entity or association, to: (i) refuse to engage in the trade of any goods or services with the entity or association based solely on its status as a firearm entity or firearm trade association; (ii) refrain from continuing an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association; or (iii) terminate an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association; the term *does not include*: (i) the established policies of a merchant, retail seller, or platform that restrict or prohibit the listing or selling of ammunition, firearms, or firearm accessories; and (ii) a company's refusal to engage in the trade of any goods or services, decision to refrain from continuing an existing business relationship, or decision to terminate an existing business relationship: (aa) to comply with federal, state, or local law, policy, or regulations or a directive by a regulatory agency; or (bb) for any traditional business reason that is specific to the customer or potential customer and not based solely on an entity's or association's status as a firearm entity or firearm trade association.

3. **Compliance with Law.** Each party shall comply with the provisions of all applicable laws relating to the performance of its obligations under this Agreement. Each party is responsible for obtaining its own legal advice concerning its compliance with applicable laws.

4. **Prohibition of Political Activity.** None of the funds provided under this Agreement shall be used for influencing the outcome of any election, or the passage or defeat of any legislative measure. This prohibition shall not be construed to prevent the Parties' compliance with the Texas Public Information Act. No funds provided under this Agreement may be used directly or indirectly to hire employees or in any other way fund or support candidates for the legislative, executive, or judicial branches of government, the State of Texas, or the government of the United States. None of the funds provided under this Agreement shall be paid to any official or employee who violates any of the provisions of this Section.

5. **Form 1295 Certificate of Interested Parties.** Consultant acknowledges and agrees that it has fully, accurately, and completely disclosed all interested parties in the Form 1295 electronically filed with the Texas Ethics Commission, at <https://www.ethics.state.tx.us/filinginfo/1295/>, as required by law, and that the attached signed copy attached as **Exhibit G** is a full and true copy of said filed form.

6. **Conflict of Interest.** Consultant assures that it is in compliance with the requirements of [Chapter 176](#) of the Texas Local Government Code and has filed or will promptly file the Conflict of Interest Questionnaire (CIQ Form) with the Tarrant County Clerk no later than

the 7th business day after the date Consultant becomes aware of facts that require the form to be filed. Completed forms are to be sent to:

Tarrant County Transportation Services
Attn: Randall Skinner, Director
100 East Weatherford Street, Room 401
Fort Worth, Texas 76196

INSURANCE REQUIREMENTS

Consultant shall take out, pay for and maintain always during the prosecution of the work under the contract, the following forms of insurance, in carriers acceptable to and approved by Tarrant County:

- a. Worker's Compensation/Employer's Liability
 - 1. Worker's Compensation – statutory
 - 2. Employer's Liability - \$500,000
- b. Commercial General Liability:
 - 1. Bodily injury/Personal injury/Property damage - \$1,000,000 per occurrence/\$2,000,000 aggregate
- c. Auto Liability:
 - 1. Combined Single Limit (CSL) - \$500,000 per occurrence
- d. Contractual Liability – same limits as above
- e. Professional Liability Insurance - \$1,000,000 each claim with minimum \$2,000,000 aggregate

FINANCIAL RESPONSIBILITY

Consultant is responsible for its incurred expenses in performing this contract unless otherwise noted. To the extent permitted by the Constitution and the laws of the State of Texas, Consultant indemnifies and holds harmless the County against any and all claims, lawsuits, settlements, judgments, costs, penalties and expenses, including attorney's fees, with respect to Consultant's negligent performance of this contract.

AGENCY-INDEPENDENT CONTRACTOR

Neither Consultant nor any employee thereof is an agent of the County and neither the County nor any employee thereof is an agent of Consultant. This agreement does not and shall not be construed to entitle either party or any of their representative employees, if applicable, to any benefits, privilege, or other amenities of employment of the other part.

ASSIGNMENT

Neither party may assign this contract.

THIRD PARTY BENEFICIARY EXCLUDED

This party does not incur to the benefit of any specific third party. The parties to this contract do not consent to the waiver of sovereign or government immunity under Texas state or federal law to the extent either party may have that immunity under law.

ENTIRE AGREEMENT

The Contract documents consist of the following:

- This Agreement
- Request for Qualifications 2022-044 Bid Documents and Consultant Response
- Consultant Proposal
- Any exhibits attached hereto, conditions of the contract (special, supplementary and other conditions), all addenda issued prior to execution of this Agreement and all modifications issued subsequent thereto.

To the extent of an ambiguity among the various documents, the Request for Qualifications 2022-044 will prevail. These documents collectively form the Contract, and all are fully a part of the Contract as if attached to this Agreement or repeated herein.

This Agreement may not be modified, altered, changed or amended in any respect, unless in writing and signed by both parties. For avoidance of doubt, this Agreement may not be modified orally.

The law of the State of Texas governs this contract. Venue for any action regarding this contract must be in the district courts of Tarrant County, Texas.

This agreement is effective upon the date of approval in Tarrant County Commissioners Court.

TERMINATION

Either party may terminate this contract by:

- a. Providing written notice to the other party at least thirty (30) days prior to the date of termination;
- b. Providing in the written notice the date of termination; and
- c. Sending the written notice by certified mail return receipt requested to the party at its address.

NOTICES

Tarrant County

Randall Skinner
Tarrant County Transportation Services
100 E. Weatherford, Room 401
Fort Worth, Texas 76196

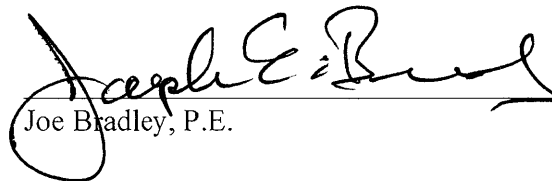
Parkhill

Joe Bradley, P.E.
255 N. Center Street, Suite 200
Arlington, Texas 76011

**TARRANT COUNTY
STATE OF TEXAS**

PARKHILL

Timothy O'Hare
County Judge



Joe Bradley, P.E.

REVIEWED AS TO FORM:

Criminal District Attorney's Office*

*By law, the Criminal District Attorney's Office may only advise or approve contracts or legal documents on behalf of its clients. It may not advise or approve a contract or legal document on behalf of other parties. Our review of this document was conducted solely from the legal perspective of our client. Our approval of this document was offered solely for the benefit of our client. Other parties should not rely on this approval, and should seek review and approval by their own respective attorney(s).

CERTIFICATION OF AVAILABLE FUNDS IN THE AMOUNT OF \$393,447:

Auditor's Office

**ATTACHMENT A
SCOPE OF SERVICES
TINSLEY LANE EXTENSION**

The scope set forth herein defines the work to be performed by the ENGINEER in completing the project. Under this scope, "ENGINEER" is expanded to include any sub-consultant, including surveyor, employed, or contracted by the ENGINEER.

GENERAL OVERVIEW

Parkhill, Smith & Cooper dba Parkhill, (ENGINEER) has been contracted by Tarrant County (COUNTY) to design roadway, drainage, signing, and pavement marking improvements for Tinsley Lane from its current western terminus to Peden Road. The proposed two-lane asphalt section is to be 24' wide with 6' shoulders and shall be constructed within a 60-foot minimum right-of-way. ENGINEER will prepare construction documents for the design of improvements based upon the previously prepared 30% schematic. An overview of the work to be performed is as follows:

BASIC SERVICES

PART 1 – PRELIMINARY ENGINEERING (60%)

PART 2 – FINAL DESIGN (90% & 100%)

ADDITIONAL SERVICES

PART 1 – GEOTECHNICAL INVESTIGATION

PART 2 – TOPOGRAPHIC & BOUNDARY SURVEY

PART 3 – SUBSURFACE UTILITY ENGINEERING

PART 4 – PRINTING & REPRODUCTION

PART 5 – CONSTRUCTION ADMINISTRATION / OBSERVATION

The tasks required to perform the basic and additional services listed above are described in greater detail below:

BASIC SERVICES

PART 1 – PRELIMINARY ENGINEERING (60%)

An overview of the design tasks to be completed by the ENGINEER during this phase is described below:

Base Files Preparation

Using the topographic survey and the SUE study, ENGINEER shall prepare an existing conditions base. Also, the ENGINEER shall prepare a proposed design base which will include the proposed roadway, drainage, pavement markings, driveways, and other necessary drawing elements.

Roadway Design (Horizontal Alignment)

After receiving the topographic and boundary survey, the ENGINEER shall lay out the proposed 2-lane section centerline and associated 60' ROW in order to minimize impacts to existing utilities, fencing and oil and gas facilities.

Roadway Design (Vertical Alignment)

The ENGINEER will design the vertical alignment to match the existing topography as much as possible while balancing the cut and fill to limit the need for the contractor to haul off dirt. The drainage study will produce a design-year flow for the major low point. Box culvert openings / areas will be selected in concert with available standard TxDOT details to determine the most cost-effective solution. The associated design water surface and the grade-to-drain potential will be the controls for the vertical design at the low point. K-Values will be taken from the TxDOT Roadway Design Manual to establish lengths of vertical curves. This information along with existing pavement elevations at both ends will be used to establish the vertical design.

Corridor Model

Using the proposed section and vertical design, ENGINEER will prepare a corridor model for the production of cross-sections and proposed contours.

Right-of-Way / Easement Acquisition Exhibit

ENGINEER will prepare an exhibit showing existing and proposed property lines, ownership data, pertinent dimensions to take lines and proposed taking / easement areas.

Plan Sheets

ENGINEER will prepare the following plan sheets:

General Sheets

Cover Sheet

Project Layout

Existing Utility Layouts (SUE)

Project Quantities

Roadway Plans

Removal Layouts
Typical Sections
Plan and Profile Sheets
Driveway Layouts
Traffic Control Plans
Cross Sections
Paving Details

Drainage Plans

Drainage Area Map
Drainage Computations
Culvert Layouts and Profiles
TxDOT Standard Details

Signing and Marking Plans

Layouts
Standard Details

Erosion Control Plans

Layouts
TxDOT Standard Details

OPCC

ENGINEER will prepare a 60% Preliminary Opinion of Probable Construction Cost with contingencies and inflation factors.

QAQC

ENGINEER will assign an independent, highly experienced, roadway designer to review the entire 60% plan set as well as the OPCC.

DELIVERABLES

- A. 60% construction plans and specifications.
- B. Detailed estimates of probable construction cost for the authorized construction project, including summaries of bid items and quantities using the COUNTY's standard format.

PART 2 – FINAL DESIGN (90% & 100%)

ENGINEER will provide final design services (including roadway design, culvert / ditch design, pavement markings, signage, and traffic control) to the COUNTY by addressing comments received and finalizing the design drawings submitted during the preliminary design phases. At 100%, each plan sheet shall be stamped, dated, and signed by the ENGINEER registered in State of Texas.

Bid Proposal, Bid Assistance, Bid Tabulation, RFI'S (If required)

ENGINEER will support the bid phase of the project as follows:

The ENGINEER will prepare a bid proposal based upon items and quantities listed on the quantity sheet in the COUNTY format.

COUNTY will provide notice to bidders and will be responsible for posting advertisement in newspaper.

The ENGINEER will provide technical assistance with questions and plan revisions as needed.

ENGINEER will attend the pre-bid conference in support of the COUNTY and answer questions from potential bidders and assist in the preparation of addenda if necessary.

ENGINEER will check the math of each bid proposal submitted and prepare a bid tabulation if required.

Opinion of Probable Construction Cost

ENGINEER will prepare Opinion of Probable Construction Cost based on 90% & 100% plans.

QAQC

ENGINEER will assign an independent, highly experienced, roadway designer to review the entire 90% and 100% plan sets as well as the OPCC.

DELIVERABLES

- A. 90% construction plans and specifications.
- B. 100% construction plans and specifications.
- C. Detailed estimates of probable construction cost for the authorized construction project, including summaries of bid items and quantities using the COUNTY's standard format.

ADDITIONAL SERVICES

PART 1 – GEOTECHNICAL INVESTIGATION

ENGINEER proposes the following in order to provide a geotechnical engineering report:

Field Exploration

- Contact Texas 811 utility locators & the Tarrant County Precinct #4 to clear underground utilities
- ENGINEER will stake the boring locations using a site plan with Parkhill's latest utility locations.
- ENGINEER will drill up to five (5) borings along the proposed roadway with a truck mounted drill rig. The borings are planned to be drilled to a depth of 10 feet below existing grade.
- Obtain soil samples with thin-walled Shelby tubes and/or Standard Penetration Test split spoon sampler and/or perform in situ Texas Cone Penetrometer Tests (TCP).
- Observe for shallow subsurface seepage (if present during drilling) and record level.
- Backfill boreholes with cuttings upon completion (not grouted).

Laboratory Testing

- Atterberg limits (liquid and plastic limits) tests
- Minus #200 sieve tests
- Unit dry weight and moisture content tests
- Soil Stabilization Additive / Atterberg Limits/Lime Series tests on subgrade soils
- Soluble Sulfate tests (subgrade soils upper 4 feet)

Engineering Analysis and Report

An engineering analysis and evaluation of the field and laboratory data will be performed for the project, based on available project concepts. Information to be provided is as follows:

- Plan of borings illustrating the approximate location of each boring and scale to which the drawing is made
- A log of each boring indicating the boring number, location (northing, easting and elevation if provided by Parkhill), depth of each strata, soil description, field penetration tests including Standard Penetration tests (SPT's) and/or Texas Cone Penetrometer (TCP), laboratory tests, and groundwater information
- Description of the field exploration and laboratory testing program
- Laboratory test results and analysis of results

- Discussion of subsurface soil and groundwater conditions
- Recommendations for removal and/or replacement of soft soils (if encountered)
- Recommendations for subgrade stabilization including depth, percent stabilization, compaction, moisture content and testing requirements.
- Perform pavement design for typical Tarrant County standard roadway including Hot Mix Asphalt (HMA) sections on stabilized subgrade and provide option for HMA on flexible base material if desired by County.
- Earthwork recommendations including lift thickness, compaction, moisture content and testing requirements.
- Collaborate with COUNTY during the analysis and recommendations phase for subgrade, base, and pavement sections.
- Provide a PDF of the geotechnical engineering report which will be prepared, signed, and sealed by a Texas Registered Professional Engineer.

Additional Services

The following services are not included in the Basic Services and will be considered as Additional Services, when required or requested:

- Additional copies of the report; additional submittals of draft reports other than those described in Basic Services; revisions to the report after final submission to Client; revisions to the report required because of changed regulations or design.
- Special testing and/or field pavement analysis/studies for pavement design.
- Installation and monitoring of piezometers.
- Payment to property owners for access to drill locations.
- Drilling footage more than the amount in Basic Services.
- Use of an all-terrain drill rig and/or the use of a dozer or other type of equipment to gain access to drill locations.
- Use of Ground Penetrating Radar (GPR) to locate utilities.
- The services of specialty sub consultants or other special outside services other than those described in Basic Services.
- Any costs, including equipment replacement where applicable, associated with decontamination of personnel or equipment because of encountering hazardous or toxic materials at the site.
- Slope Stability Analysis for embankments and retaining walls.
- Phase I and / or Phase II Environmental Site Assessments.
- Our scope of services does not include an environmental assessment for determining the presence or absence of wetlands, or hazardous or toxic materials in the soil, bedrock, surface water, groundwater, or air on or below, or around this site.
- Coordination with regulatory agencies other than those described in Basic Services.
- Any other services not specifically included in Basic Services.

DELIVERABLES

One (1) hard copy and one (1) electronic copy of Geotechnical Report

PART 2 – TOPOGRAPHIC & BOUNDARY SURVEY

Topographic Survey

ENGINEER to survey and prepare a design/topographic survey map that will establish the control line, centerline, and references for control points, benchmarks, and cross-sections. The survey will also include utility features found in the field marked by Texas 811. The survey will be provided with an electronic copy for use in design. The survey will include location and identification of all above ground features within the survey limits including buildings, fences, utilities, drainage structures, sidewalk, driveways, handicap ramps, guardrails, signs, etc. The outside limits of dense tree and vegetation growth shall be identified. Trees 6-inches and larger in diameter shall be surveyed.

Topographic survey will be conducted within the existing and anticipated right-of-way and up to 20 feet outside of the proposed right-of-way.

The minimum survey information to be provided on the plans shall include the following:

- A Project Control Sheet, showing ALL Control Points, used or set while gathering data using a scale of not less than 1:400:

The following information about each Control Point;

- Identified description
- X, Y, and Z Coordinates, in an identified coordinate system, and a referred bearing base.
- Descriptive Location

Boundary Survey

ENGINEER to locate and identify property lines and property corners within the survey limits. Identify existing right-of-way and all easements within the survey limits. Identify property owners, business name and type, parks, cemeteries, etc., street addresses and deed recording information within the survey limits. Right-of-way research includes review of property/right-of-way records based on current internet-based Tarrant Appraisal District (TAD) information available at the start of the project and available on-ground property information (i.e. iron rods, fences, stakes, etc.). It does not include effort for chain of title research, parent track research, additional research for easements not included in the TAD, right-of-way acquisitions, easement vacations and abandonments, right-of-way vacations, and street closures.

ASSUMPTIONS

- COUNTY will prepare, mail, and obtain temporary right of entry from landowners five (5) working days prior to the ENGINEER conducting the field survey.

DELIVERABLES

- Digital topographic and boundary survey file in CAD format, ASCII point file, and field notes and sketches.

ROW / Easement Documents

Right-of-way and Easement Documents - Prepare legal metes and bounds description and exhibit for parcels as directed by the CITY. ENGINEER to prepare up to eight (8) documents. Acquisitions will be conducted by others.

DELIVERABLES

- Right-of-way and easement exhibits with metes and bounds descriptions
- Right-of-way and easement strip map

PART 3 – SUBSURFACE UTILITY ENGINEERING (SUE)

ENGINEER will retain and monitor the services of a subsurface utility engineering (SUE) firm to provide the following SUE services in accordance with ASCE Publication CI/ASCE 38-02 (Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data):

- Provide horizontal locations (Designating, Quality Level B) for all utilities from existing and anticipated ROW to ROW within the project limits.
- Provide vertical location (Locating, Quality Level A) for up to 5 test holes in the 0 to 8-foot depth range. All locations are assumed to be inside pavement. Additional test holes are not included in the scope of service.

PART 4 – PRINTING, REPRODUCTION AND TRAVEL

For each plan and specification review, ENGINEER shall submit to COUNTY the following:

- a. two (2) half scaled (11"x17")
- b. electronic files in .pdf format. One formatted to 22"x34" full scaled and one formatted to 11"x17" half scaled
- c. an itemized construction cost estimate

PART 5 – CONSTRUCTION ADMINISTRATION / OBSERVATION

ENGINEER shall provide construction service at the request of the COUNTY. Such service may include, but not limited to field visits, shop drawing reviews, change orders, plan revisions, etc. ENGINEER shall bill the COUNTY based on actual hours performed.

PARKHILL
TINSLEY LANE EXTENSION
COST PROPOSAL FOR ENGINEERING SERVICES - JULY 24, 2023

Parkhill

TASK	NO. SHEETS	STAFF - MANHOURS						TASK TOTALS	
		PROJECT MANAGER	SENIOR ENGINEER	ENGINEER	EIT	CAD TECH	CLERICAL		
		\$393	\$329	\$254	\$218	\$205	\$123		
BASIC SERVICES									
PART #1 - PRELIMINARY DESIGN (60%)									
GENERAL SHEETS									
COVER SHEET	1	1			2	2		\$1,239	
GENERAL NOTES	1	1			4			\$1,265	
PROJECT LAYOUT	3	2			8	2		\$2,940	
PROJECT QUANTITIES	1	4			4			\$2,444	
ROADWAY PLANS									
DESIGN FILE PREPARATION (GEOREFERENCED)	NA	8			24			\$8,376	
HORIZONTAL CONTROL PLAN	1	1			4			\$1,265	
RIGHT-OF-WAY / EASEMENT MAP	3	2			8	2		\$2,940	
REMOVAL LAYOUTS	3	2			12	2		\$3,812	
EXISTING UTILITY LAYOUTS	7	2			24	4		\$6,838	
TYPICAL SECTION	1	2			12	2		\$3,812	
ROADWAY PLAN-PROFILES	14	14			60	8		\$20,222	
DRIVEWAY LAYOUTS	2	1			12	2		\$3,419	
CORRIDOR MODEL	NA	2			12			\$3,402	
ROADWAY CROSS-SECTIONS	16	8			24	4		\$9,196	
ROADWAY DETAILS	2	2			4			\$1,658	
QA/QC	NA	4	8		8	2		\$6,358	
TASK	NO. SHEETS	STAFF - MANHOURS						TASK TOTALS	
		PROJECT MANAGER	SENIOR ENGINEER	ENGINEER	EIT	CAD TECH	CLERICAL		
		\$341	\$265	\$220	\$136	\$167	\$123		
DRAINAGE PLANS									
DRAINAGE AREA MAP	1	2			8	2		\$2,940	
DRAINAGE COMPUTATIONS	1	2			12	2		\$3,812	
CULVERT / CHANNEL LAYOUTS	2	2			24	2		\$6,428	
DETAILS	4	1			4	1		\$1,470	
EROSION CONTROL PLANS									
EROSION CONTROL LAYOUTS	3	2			16	1		\$4,479	
EROSION CONTROL DETAILS	2	1			2	1		\$1,034	
								SUBTOTAL PART #2 =	\$99,349
PART #2 - FINAL DESIGN (90% & 100%) / SPECS / BIDDING									
ANSWER 60% & 90% COMMENTS									
PLAN REVISIONS	TBD	16			40	24		\$19,928	
OPCC, SPECS, BIDDING ASSISTANCE, RECORD DWGS									
OPCC (90% & 100%)	NA	4			8			\$3,316	
BID PROPOSAL / GENERAL REQUIREMENTS	NA	8			8		4	\$5,380	
BID ASSISTANCE / BID TABULATION / RFI	NA	4			16		4	\$5,552	
RECORD DRAWINGS	TBD	4			2	16		\$5,288	
QA/QC (90% & 100%)									
QA/QC CHECKLIST & REVIEW	NA	4	16		8	8		\$10,220	
								SUBTOTAL PART #3 =	\$49,684
ADDITIONAL SERVICES									
1. GEOTECH									
GEOTECHNICAL REPORT W/ PAVEMENT & SUBGRADE RECOMMENDATIONS								\$11,000	
								SUBTOTAL	\$11,000
2. SURVEY / ROW									
AERIAL TOPO & SUPPLEMENTAL FIELD TOPO								\$21,000	
ROW / EASEMENT DOCUMENTS (BASED ON 8 PARCELS)								\$11,500	
								SUBTOTAL	\$32,500
3. SUBSURFACE UTILITIES ENGINEERING									
LEVEL B - D								\$10,500	
LEVEL A TEST HOLES (AS NEEDED; UP TO 5 HOLES)								\$5,950	
								SUBTOTAL	\$16,450
4. PRINTING									
								\$2,000	
								SUBTOTAL	\$2,000
5. CA / CO (AS NEEDED)									
								\$5,000	
								SUBTOTAL	\$5,000
								SUBTOTAL ADD'L SERVICES =	\$66,950

ATTACHMENT B - FEE SCHEDULE

SUMMARY											
BASIC SERVICES											
PART #1 - PRELIMINARY PLANS (60%)				\$99,349							
PART #2 - FINAL PLANS / SPECS / BID (90% & 100%)				\$49,684							
SUBTOTAL - BASIC SERVICES				\$149,033							
ADDITIONAL SERVICES											
#1 - GEOTECHNICAL REPORT				\$11,000							
#2 - SURVEY / ROW				\$32,500							
#3 - SUE				\$16,450							
#4 - PRINTING				\$2,000							
#5 - CA / CO				\$5,000							
SUBTOTAL - ADDITIONAL SERVICES				\$66,950							
TOTAL FEE (NOT-TO-EXCEED)				\$215,983							

PARKHILL
GRANTS LANE EXTENSION
COST PROPOSAL FOR ENGINEERING SERVICES - JULY 24, 2023

Parkhill

TASK	NO. SHEETS	STAFF - MANHOURS						TASK TOTALS	
		PROJECT MANAGER	SENIOR ENGINEER	ENGINEER	EIT	CAD TECH	CLERICAL		
		\$393	\$329	\$254	\$218	\$205	\$123		
BASIC SERVICES									
PART #1 - PRELIMINARY DESIGN (60%)									
GENERAL SHEETS									
COVER SHEET	1	1			2	2		\$1,239	
GENERAL NOTES	1	1			2			\$829	
PROJECT LAYOUT	3	2			6	2		\$2,504	
PROJECT QUANTITIES	1	3			4			\$2,051	
ROADWAY PLANS									
DESIGN FILE PREPARATION (GEOREFERENCED)	NA	4			16			\$5,060	
HORIZONTAL CONTROL PLAN	1	1			4			\$1,265	
RIGHT-OF-WAY / EASEMENT MAP	3	2			8	2		\$2,940	
REMOVAL LAYOUTS	3	2			8	2		\$2,940	
EXISTING UTILITY LAYOUTS	7	2			16	4		\$5,094	
TYPICAL SECTION	1	2			12	2		\$3,812	
ROADWAY PLAN-PROFILES	10	8			40	4		\$12,684	
DRIVEWAY LAYOUTS	1	1			8	2		\$2,547	
CORRIDOR MODEL	NA	2			8			\$2,530	
ROADWAY CROSS-SECTIONS	16	4			16	2		\$5,470	
ROADWAY DETAILS	2	2			2			\$1,222	
QA/QC	NA	4	8		8	2		\$6,358	
PART #2 - FINAL DESIGN (90% & 100%) / SPECS / BIDDING									
ANSWER 60% & 90% COMMENTS									
PLAN REVISIONS	TBD	8			24	8		\$10,016	
OPCC, SPECS, BIDDING ASSISTANCE, RECORD DWGS									
OPCC (90% & 100%)	NA	4			4			\$2,444	
BID PROPOSAL / GENERAL REQUIREMENTS	NA	4			4		2	\$2,690	
BID ASSISTANCE / BID TABULATION / RFI	NA	4			8		2	\$3,562	
RECORD DRAWINGS	TBD	4			2	8		\$3,648	
QA/QC (90% & 100%)									
QA/QC CHECKLIST & REVIEW	NA	4	16		8	8		\$10,220	
								SUBTOTAL PART #2 =	\$74,784
PART #3 - ADDITIONAL SERVICES									
1. GEOTECH									
GEOTECHNICAL REPORT W/ PAVEMENT & SUBGRADE RECOMMENDATIONS								\$9,000	
								SUBTOTAL	\$9,000
2. SURVEY / ROW									
AERIAL TOPO & SUPPLEMENTAL FIELD TOPO								\$20,000	
ROW / EASEMENT DOCUMENTS (BASED ON 8 PARCELS)								\$11,500	
								SUBTOTAL	\$31,500
3. SUBSURFACE UTILITIES ENGINEERING									
LEVEL B - D								\$16,650	
LEVEL A TEST HOLES (AS NEEDED; UP TO 5 HOLES)								\$5,950	
								SUBTOTAL	\$22,600
4. PRINTING									
								\$2,000	
								SUBTOTAL	\$2,000
5. CA / CO (AS NEEDED)									
								\$5,000	
								SUBTOTAL	\$5,000
								SUBTOTAL ADD'L SERVICES =	\$70,100

ATTACHMENT B - FEE SCHEDULE

SUMMARY											
BASIC SERVICES											
PART #1 - PRELIMINARY PLANS (60%)			\$74,784								
PART #2 - FINAL PLANS / SPECS / BID (90% & 100%)			\$32,580								
SUBTOTAL - BASIC SERVICES			\$107,364								
ADDITIONAL SERVICES											
#1 - GEOTECHNICAL REPORT			\$9,000								
#2 - SURVEY / ROW			\$31,500								
#3 - SUE			\$22,600								
#4 - PRINTING			\$2,000								
#5 - CA / CO			\$5,000								
SUBTOTAL - ADDITIONAL SERVICES			\$70,100								
TOTAL FEE (NOT-TO-EXCEED)			\$177,464								



ATTACHMENT C: PROJECT SCHEDULE
TINSLEY LANE PROJECT
JULY 31, 2023

Parkhill

