

EXHIBIT A

PROFESSIONAL ENGINEERING SERVICES

HERITAGE PARKWAY SOUTH BRIDGE PROJECT

DETAILED SCOPE OF WORK

Scope of work includes project management and engineering design of City of Mansfield for a proposed esthetically enhanced, TxDOT standard, 46' wide, three span approximately 350' prestressed concrete bridge, with earthen sloped abutments over North Mountain Creek Tributary located in the City of Mansfield, Texas, as presented in Project Scope Exhibit attached here. Detailed scope of work is as stated below:

TASK 1. PROJECT MANAGEMENT

1.1. Managing the Team

- Dunaway Associates, LLC (ENGINEER) shall ensure efficient and effective use of ENGINEER's and City of Mansfield's (CITY's) time and resources.
- ENGINEER shall manage change, communicate effectively, coordinate internally and externally as needed, and proactively address issues with the CITY's Project Manager and others as necessary to make progress on the work.
- Lead, manage and direct internal design team activities and meetings.
- Ensure quality control is practiced in performance of the work.
- Task and allocate team resources.
- Ensure to the best of our ability, design is accelerated to meet City expectations and deadlines.

1.2. Communications and Reporting

- Conduct detailed and comprehensive design kickoff meeting to discuss project with the City and other stakeholders.
- Conduct submittal review meetings with the CITY at the end of each design task/phase (30%, 60%, 90%, and 100%).
- Prepare and submit monthly invoices with progress reports digitally to the CITY.
- Prepare an overall project schedule and submit to the City in their desired format. ENGINEER will update project schedule after each submittal and include any changes required.

- When requested by City, Engineer shall attend conferences with authorized representatives of City regarding the project and such other conferences as may be necessary in the opinion of City so that the plans and specifications which are to be developed hereunder by Engineer will result in providing facilities which are economical in design and conform to instruction from City of Mansfield.
- Engineer shall advise City with regard to the necessity for subcontract work such as special surveys, tests, test borings, or other subsurface investigations in connection with design and engineering work to be performed hereunder. Engineer shall also advise City concerning the results of same. Such surveys, tests, and investigations shall be made only upon authorization by and at the expense of City.
- ENGINEER shall be responsible for coordinating with governmental agencies, Railroads, Pipeline Companies, and other Engineering/surveying firms, as necessary for conformance to local, regional, and national standards and regulations. ENGINEER shall be responsible for assisting the CITY with preparing and submitting required permits. Permitting fees shall be the responsibility of CITY.

ASSUMPTIONS

- One (1) Preliminary Design coordination meeting with City Staff to review design.
- Three (3) major submittal review meetings with City staff (30%, 60% and 90% Design).
- Bi-weekly design and construction team meetings with City staff and other stakeholders through end of construction (8 months design, 12 months construction).
- It's assumed various meetings will be required with the City, various program managers, developers, and planners for alignment layouts, landscape and hardscape coordination. These coordination meetings are assumed as part of this scope up to thirty (30) hours over the course of the project through construction.
- Eight (8) monthly progress reports, project schedule, and invoices will be prepared (8 months of design).

DELIVERABLES

- Prepare Meeting minutes with action items and submit to the City.
- Monthly invoices with Status Reports.
- Initial Project Schedule to City, Schedule to be updated monthly, as needed.

TASK 2. CONCEPTUAL DESIGN (30%)

2.1 ENGINEER shall prepare schematic level designs to fully identify, develop, and communicate to City staff through the defined deliverables, the engineering design solution for the proposed bridge, abutments, aesthetics, roadway & drainage elements, channel improvements, and environmental concerns. ENGINEER will develop the conceptual design of the roundabout as follows:

- Preliminary cover and index of sheets including project limits, area location map and beginning and end station limits.
- SUE Plan sheets sealed by a licensed professional engineer registered in the State of Texas.
- Proposed typical sections which outline the proposed improvements. Typical sections shall include existing and proposed ROW, existing and proposed lane widths and direction arrows, existing and proposed curbs, and sidewalks (assumed retaining walls are not needed).
- Conceptual plan and profile sheets showing existing and proposed horizontal roadway alignments, existing and proposed ROW, existing and proposed sidewalks, proposed lane dimensions and lane arrows, existing drainage structures, city owned and franchise utilities, and existing and proposed roadway and bridge profiles and abutment slopes.
- Conceptual drainage area map with supporting drainage computation for hydrologic conditions and drainage design.
- Conceptual Bridge design layout and profile.
- Existing adjacent water/wastewater mains, franchise utilities, and storm lines.
- Conceptual Opinion of Probable Construction Cost

ASSUMPTIONS

- One (1) meeting with City staff will be attended to discuss the conceptual design and aesthetic theming.
- Up to three (3) OPCCs will be prepared and delivered for the conceptual designs and variations of the bridge design.
- One (1) meeting with City staff will be attended to discuss the final conceptual phase elements.
- Retaining Walls are not included in scope of work.
- Bridge Design Assumptions:
 - 3-Span Bridge with approximate length of 350'

- Pedestrian path or sidewalk on both sides
- TxDOT prestressed concrete I-girder superstructure
- Earthen abutment header slopes protected with concrete or stone riprap
- TxDOT typical structural elements with minor aesthetic enhancements including monuments on extended abutment/bent caps, aesthetic form liners or cladding for columns, and custom railing.
- TxDOT 2024 Standard Specifications & associated TxDOT standard drawings.

DELIVERABLES

- A. 30% Design Documents (22"x34" PDF construction plans)
- B. Preliminary Design Opinion of Probable Construction Costs (PDF).

TASK 3. PRELIMINARY DESIGN (60 PERCENT)

Once 30% design elements have been reviewed and solidified, ENGINEER will proceed with development of the bridge and roadway plans. Upon notice to proceed, ENGINEER will develop the 90% design package as follows:

3.1 Data Collection

- In addition to data obtained from the CITY, ENGINEER will research proposed improvements in conjunction with any other planned future improvements that may influence the project.
- The ENGINEER will also identify and seek to obtain data for existing conditions that may impact the project including but not limited to; utilities, agencies (TxDOT, County), City Master Plans and Models, and property ownership as available from the Tax Assessor's office.
- The ENGINEER shall visit the project site to gather data and confirm the design survey before alignments are set and plans are prepared.

3.2 Preliminary 60% Design & Construction Package

Preliminary Design elements will be developed to an interim level with knowledge of potential revisions.

- Cover Sheet and Location Map.
- Project control and alignment data sheet.
- SUE sheets.
- Roadway design elements including:

Roadway Layout

Typical Sections

Drainage Design

Plan and Profile

Quantity Tables

Grading Plan Including Channel Grading Plan and Profiles

Erosion Control Plan

Lighting Plan

Cross Sections

- Bridge design elements including:

Bridge Layout

Typical Sections

Bore Logs

Quantity Tables

Bridge Structural Details

Aesthetic Details (Rails and Peir Columns)

- Provide City & TxDOT construction details for paving, drainage, bridge, and lighting as well as additional paving details for roundabout and hardscape aesthetic elements, as applicable.
- Prepare an Opinion of Probable Construction Cost with the 90% design package.

3.3 Franchise Utility Coordination

- The ENGINEER shall submit individual PDF files for each plan sheet of the approved preliminary plan set to all utility companies which have facilities within the limits of the project. Engineer shall assist the City to coordinate with the Franchise Utility companies to review existing utility locations and potential conflicts and coordinate and oversee proper relocation of their facilities, as needed.

ASSUMPTIONS

- Digital PDF plan files will be submitted for the Constructability Review.
- Traffic Control "TxDOT Typical Details" will be utilized to the extent possible. It is assumed the contractor shall prepare a detailed traffic control plan for construction along or within roadways, if necessary.

- The CITY's standard specifications will be used to prepare a draft table of contents and list of submittals for the project.
- Digital PDF plan files will be submitted for Franchise Utility Coordination, and scroll plots used at coordination meeting.

DELIVERABLES

- Engineer shall provide detailed design data, profiles, cross-sections where appropriate, opinions of probable cost, and complete detailed full size (22" x 34") or half size (11" x 17") plans and specifications for preliminary plans. Size of plans to be determined by City's Project Manager. The deliverables from Engineer will include:
 - a. Digital files and up to three (3) hard copies of the preliminary plans and one (1) copy of the preliminary itemized opinion of cost for City review.
 - b. Digital files and up to three (3) hard copies of final review plans, one (1) copy of the final specifications, and one (1) copy of the final itemized opinion of cost for City review.

TASK 4. PRELIMINARY FINAL DESIGN (90 PERCENT)

Upon approval of the 60% design, ENGINEER will develop the 90% design package as follows:

4.1 Preliminary Final Design (90%) Construction Documents

- Address City's 60% plan review comments.
- Finalize construction documents as necessary to prepare for bidding.
- Update City construction details as applicable.
- Finalize bid items and Opinion of Probable Construction Cost with the 100% design package.
- Finalize Project Manual including construction specifications.

ASSUMPTIONS

- ENGINEER shall not proceed with Final Design activities until after receiving 60% comments and shall incorporate them into these subsequent plans.
- ENGINEER shall prepare an Initial Erosion Control Plan and Final Erosion Control Plan consistent with the latest NCTCOG Construction Controls Technical Manual to be utilized by contractor in the preparation of a Storm Water Pollution Prevention Plan (SWPPP) for this Project. The Erosion Control Plans shall be included in the bid set of plans and specifications.

DELIVERABLES

- ENGINEER shall provide detailed design data, profiles, cross-sections where appropriate, opinions of probable cost, and complete detailed full size (22 x 34) or half size (11 x 17) plans and specifications for preliminary plans and final plans. Size of plans to be determined by City's Project Manager. The deliverables from Engineer will include:
 - a. Digital files and up to three (3) hard copies of the preliminary plans and specifications and one (1) copy of the preliminary itemized opinion of cost for City review.
 - b. Digital files and up to three (3) hard copies of final review plans, one (1) copy of the final specifications, and one (1) copy of the final itemized opinion of cost for City review.

TASK 5. FINAL DESIGN AND CONSTRUCTION DOCUMENTS (100 PERCENT)

Upon approval of the 90% design, Dunaway will prepare final construction plans and specifications package as follows:

5.1 Final Design and Construction Documents (100%)

- Following a 90% construction plan review meeting with the CITY, Dunaway shall finalize and submit Final Plans (100%) to the CITY. Each plan sheet shall be stamped, dated, and signed by a Professional Civil Engineer and or Structural Engineer licensed in State of Texas.
- Specifications shall be stamped, dated and signed by a Professional Engineer licensed in State of Texas.

DELIVERABLES

- Engineer shall provide detailed design data, profiles, cross-sections where appropriate, opinions of probable cost, and complete detailed full size (22 x 34) or half size (11 x 17) plans and specifications for preliminary plans and final plans. Size of plans to be determined by City's Project Manager. The deliverables from Engineer will include:
 - a. Digital files and up to three (3) hard copies of the preliminary plans and one (1) copy of the preliminary itemized opinion of cost for City review.
 - b. Digital files and up to three (3) hard copies of final review plans, one (1) copy of the final specifications, and one (1) copy of the final itemized opinion of cost for City review.
 - c. After addressing City's final review comments, Engineer shall submit one (1) copy of the bid plans and specifications to City. Upon notification from City, Engineer shall make all corrections noted and then furnish digital files and up to fifteen (15) copies of bid plans and specifications.

- d. Upon completion of the construction, City shall provide Engineer with a set of plans showing all construction comments and variations from the plans. Engineer will prepare and submit to City digital files and one (1) full size set of corrected "Record Drawings" within 30 days after receiving the comments and plans from City. Engineer shall also submit to City a .dwg file with all new or modified water, sewer and storm drain lines on the same bearing structure and coordinate system as the City of Mansfield Geodetic Control Network.

TASK 6. PERMITTING

6.1 Texas Department of Licensing and Regulation (TDLR)

Pedestrian improvements greater than \$50,000 in construction costs are subject to inspection by TDLR for adherence to PROWG ADA design criteria. Dunaway will coordinate TDLR registration and project inspection, as necessary. Scope of work to include:

- Identify and analyze the requirements of the Texas Architectural Barriers Act, Chapter 68 Texas Administrative Code, and become familiar with the governmental authorities having jurisdiction to approve the design of the Project.
- ENGINEER is responsible for providing plans that are in compliance with TDLR requirements.
- Submit construction documents to the TDLR
- Completing all TDLR forms/applications necessary
- Obtain the Notice of Substantial Compliance from the TDLR
- Request an inspection from TDLR or a TDLR locally approved Registered Accessibility Specialist no later than 30 calendar days after construction substantial completion. Advise the CITY in writing of the results of the inspection.
- Responding to agency comments and requests.

ASSUMPTIONS

- All costs associated with TDLR plan review and inspections are to be paid by the ENGINEER during the course of the project.

DELIVERABLES

- A. TDLR review comments after inspection.
- B. TxDOT Permit Construction Plans (11"x17").

6.2 Natural Resources Assessment

Environmental Scientists from Dunaway will conduct a field assessment of the proposed site to assess general environmental concerns, including, but not limited to, Waters of the U.S., including wetlands, and Threatened and Endangered (T&E) Species. Field staff will use a Global Positioning System (GPS) to map jurisdictional Waters of the U.S., including wetlands; data collected in the field will be downloaded and prepared for inclusion in the Natural Resources Assessment Report. The Natural Resources Assessment Report will utilize existing datasets (USGS Topographic, USDA Soils, USFWS NWI, etc.) along with data collected during the field assessment. The limits and descriptions of Waters of the U.S. found during the field assessment will be described and shown within the report and site exhibits.

ASSUMPTIONS

- T&E species in Ellis County will be reviewed; this will include a review of both state and federally listed species.
- The assessment will include potential permitting scenarios for the development of the project and impact thresholds associated with the use of such permits. The project will be bid in one (1) package.
- This scope and fee does not include any Section 404 permitting assistance with the United States Army Corps of Engineers (USACE). If Waters of the U.S. are discovered within the site boundary and are impacted by the proposed development, a Section 404 permit will be necessary. Additionally, Section 404 permitting would require a Section 106 Cultural Resources review. This scope and fee does not include any archaeological review or surveys.
- This scope and fee does not include any species-specific T&E survey or Section 7 consultation. If the habitat meets the criteria to support any of the listed T&E species listed in Ellis County, a species-specific field survey may be required.

DELIVERABLES

- Natural Resources Assessment report and permitting analysis (PDF).

TASK 7. BID PHASE SERVICES

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

7.1 Bid Support

- The ENGINEER shall prepare electronic copies of the plans and specifications and make them available for download from Engineers services and additionally provide these files to the City for hosting and downloading, as necessary.

- The ENGINEER will develop and implement procedures for receiving and answering bidders' questions and requests for additional information. The procedures shall include a log of all significant bidders questions and requests and the response thereto. The ENGINEER will provide technical interpretation of the contract bid documents and will prepare proposed responses to all bidders' questions and requests, in the form of addenda.
- ENGINEER shall assist in the tabulation and review of all bids received for the construction of the improvements and shall make recommendations for award to the CITY.
- Assist the CITY in determining the qualifications and acceptability of prospective contractors, subcontractors, and suppliers.
- When substitution prior to award of contracts is allowed in the contract documents, the ENGINEER will advise the CITY as to the acceptability of alternate materials and equipment proposed by bidders.
- Attend the bid opening meetings in support of the CITY.
- Tabulate and review all bids received for the construction project, assist the CITY in evaluating bids, and recommend award of the contract.
- Incorporate all addenda into the contract documents and issue conformed sets.

ASSUMPTIONS

- Engineer shall provide these documents to the City for hosting.
- Assumes two (2) addenda during bid phase.
- The project will be bid in one (1) package.
- Attend a total of one (1) bid opening meeting at the City, or virtually.
- Hard copies of the construction documents will be sold to and made available for plan holders and/or given to plan viewing rooms on an on-call as needed basis as a direct cost to each contractor.

DELIVERABLES

- Addenda
- Bid tabulations
- Recommendation of award
- Contract documents (conformed, if applicable)

TASK 8. CONSTRUCTION ADMINISTRATION SERVICES.

ENGINEER will support the construction phase of the project as follows for up to two (2) construction contracts.

8.1 Construction Support

- The ENGINEER shall attend the preconstruction conference meetings with the City.
- City shall perform construction contract administration, except that Engineer shall be available to review and consult on any special situations or nonstandard shop drawings that may arise during the construction process. Such consultation and reviews shall be for general conformance with the design concept and general compliance with the plans and specifications under the Construction Contract. When necessary, Engineer shall assist City in preparing Change Orders for construction of the project.
- The ENGINEER shall attend a Final project walk through observations for the project and assist with preparation of the final punch lists.
- ENGINEER shall review, interpret, and provide direction to the CITY during the construction phase. Such consultation and reviews shall be for general conformance with the design concept and general compliance with the plans and specifications under the Construction Contract. When necessary, ENGINEER shall assist City in preparing Change Orders for construction of the project.

8.2 Record Drawings

- The ENGINEER shall prepare Record Drawings from information provided by the CITY depicting any changes made to the Final Drawings during construction. The following information shall be provided by the CITY:
 - Red-Line Markups from Contractor
 - Red-Line Markups from City Inspector
 - Copies of Approved Change Orders
 - Approved Substitutions
- The ENGINEER shall modify the Final Drawings electronically and shall place a stamp on the plans indicating that they represent Record Drawings of the project as constructed. The stamp shall be signed and dated by the ENGINEER and shall be placed on each plan sheet, whether there are any revisions on the sheet or not. Each sheet shall clearly indicate all changes which apply to that sheet by clouding and numbering, or other suitable means.
- The following disclaimer shall be included with the Record Drawing stamp:

- *These Record Drawings were prepared using information provided by others and represent the as constructed conditions to the extent that documented changes were provided for recording. The ENGINEER assumes no liability for undocumented changes and certifies only that the documented changes are accurately depicted on these drawings.*
- The ENGINEER shall submit all final Record Drawings in both PDF format and CAD format only, and hard copies will not be required.

ASSUMPTIONS

- Includes three (3) site visits for design engineer and landscape architect and or to review RFI issues in the field through the life of the project, including travel time and mileage.
- Assumes eight (8) hours for final walk throughs and punch lists, including travel time and mileage (Civil and Bridge Scope).
- City will handle most RFI's, change orders and shop drawing submittal reviews, and Engineer shall support City on these requests as needed.
- Digital files will be submitted for Final Record drawings to the City for each package.

DELIVERABLES

- RFI Responses, as needed.
- Final Punch List items to City.
- Record Drawings.

TASK 9. SUBSURFACE UTILITY EXPLORATION (S.U.E.) SERVICES.

9.1 Subsurface Utility Exploration

- The scope of this proposal includes Quality Level "B" for all underground franchise utilities found along the proposed corridor. Scope additionally includes up to four (4) quality level "A" SUE potholes to be used, as necessary and at the direction of the City.

ASSUMPTIONS

- Scope includes temporary driving surface through river land as needed.
- Scope assumes Level B SUE to cover an estimated 800LF of underground utilities requiring up to 1 days of location services and 1 days of survey work.

- Four (4) Level A SUE test holes are included. If additional Level "A" test holes are required, they shall be provided at an additional cost of \$1,700/EA and shall only be conducted at the written request of the City.
- SUE plans will be included in construction documents.

DELIVERABLES

- CAD and PDF file with summary sheets of the final S.U.E. lines and pothole locations.

TASK 10. SURVEYING SERVICES.

10.1 Design Survey

- Survey limits will include a 250' wide corridor along the selected roadway and bridge alignment as currently conceptualized.
- ENGINEER will perform field surveys to collect horizontal and vertical elevations and other information needed by ENGINEER in design and preparation of plans for the project. Information gathered during the survey shall include topographic data, elevations of all sanitary and adjacent storm sewers, rim/invert elevations, location of buried utilities, structures, trees (measure caliper, identify overall canopy – except in areas of heavy woods), and other features relevant to the final plan sheets. Existing drainage at intersections, and flowlines of creeks will be verified by field surveys. Spot elevations will be shown on intersection layouts with cross slope to fit intersecting grade lines.
- ENGINEER will locate existing right of way and boundary lines along and or adjacent to the survey area.
- 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. Generally on a scale of not less than 1:300:
 - The following information about each Control Point;
 - a) Identified (i.e. Existing CITY Monument #8901, PK Nail, 5/8" Iron Rod)
 - b) X, Y and Z Coordinates, in an identified coordinate system, and a referred bearing base. Z coordinate on CITY Datum only.
 - c) Descriptive Location (Ex. Set in the centerline of the inlet in the

South curb line of North Side Drive at the East end of radius at the Southeast corner of North Side Drive and North Main Street).

- Coordinates on all P.C.'s, P.T.'s, P.I.'s, Manholes, Valves, etc., in the same coordinate system, as the Control.
- No less than two horizontal benchmarks, per line or location or every 500' whichever is more.
- Bearings given on all proposed centerlines, or baselines.
- Station equations relating utilities to paving, when appropriate.
- Prior to entering property, the ENGINEER shall prepare and submit Temporary Right of Entry for landowners to CITY PM for distribution to the property owners for design and construction purposes.

ASSUMPTIONS

- Project will be surveyed by ENGINEER using ENGINEERS in house survey crews.
- City will arrange for access to property and adjoining land not owned by City.

DELIVERABLES

- Copies of field survey data and notes signed and sealed by a State of Texas licensed surveyor.
- Drawing of the project layout with dimensions and coordinate list.

TASK 11. GEOTECHNICAL ENGINEERING SERVICES.

11.1 Geotechnical Investigation

- Soil investigations, including field and laboratory tests, borings, related engineering analysis and recommendations for determining soil conditions will be made. In addition to the above investigations, borings and appropriate field and laboratory analysis will be made at reasonable intervals along the project alignment for the Contractor's use in determining soil conditions for preparing bids and Trench Safety Plans. Roadway reconstruction recommendations will additionally be included.

ASSUMPTIONS

- A total of three (3) soil borings, will be provided to a depth of 60 feet along the proposed bridge alignment, and will be located by ENGINEER and reviewed by the City's project manager.
- Geotechnical recommendations for TxDOT standard bridge foundations and abutments will be provided.

DELIVERABLES

- One (1) hard copy of the final geotechnical report submitted to the City.

ADDITIONAL SERVICES NOT INCLUDED IN THE SCOPE OF SERVICES

CITY and ENGINEER agree that the following services are beyond the Scope of Services described in the tasks above. However, ENGINEER can provide these services, if needed, upon the CITY's written request. Any additional amounts paid to the ENGINEER as a result of any material change to the Scope of the Project shall be agreed upon in writing by both parties before the services are performed. These additional services include the following:

- Environmental permitting.
- Substantial redesign of plans once 30% scope has been agreed upon (change in horizontal alignments, bridge span or width, mass grading variations, major building locations, etc.).
- Water or Sanitary Sewer Plans.
- Hydrologic or hydraulic analysis of channels or creeks surrounding intersection.
- Detailed pad site grading outside of limited scope specified herein.
- Detention or retention pond design.
- FEMA LOMR or CLOMR or CDC permits or Coordination.
- Services related to acquiring real property including but not limited to easements and rights-of-way.
- Services related to development of the CITY's project financing and/or budget.
- Services related to disputes over pre-qualification, bid protests, bid rejection and re-bidding of the contract for construction.
- Construction Staking
- Construction management and inspection services (Construction Administration Only)

- Periodic site visits during construction phase above and beyond amount listed in this contract.
- Services related to Survey Construction Staking.
- Services to support, prepare, document, bring, defend, or assist in litigation undertaken or defended by the CITY.
- Performance of miscellaneous and supplemental services related to the project as requested by the CITY.

Only those services specifically mentioned in the Scope of Work section are offered as part of this proposal.

FEE AND EXPENCES

ENGINEER will perform the above detailed services on a labor fee plus expense basis with the maximum labor fee shown below:

Task 1	Project Management	\$26,129.00
Task 2	Conceptual Design (30%)	\$73,236.00
Task 3	Preliminary Design & Utility Coordination (60%)	\$121,873.00
Task 4	Preliminary Final Design (90%)	\$67,339.00
Task 5	Final Design & CDs(100%)	\$39,595.00
Task 6	Permitting	\$19,141.00
Task 7	Bid Phase Services	\$15,178.00
Task 8	Construction Administration Services	\$21,730.00
Task 9	Subsurface Utility Exploration	\$9,900.00
Task 10	Surveying Services	\$16,800.00
Task 11	Geotechnical Engineering Services	\$24,444.00
	Maximum Hourly Not to Exceed Fee	<u>\$435,365.00</u>

PAYMENT FOR SERVICES

CITY shall pay ENGINEER for all subcontractor work authorized by City at the actual cost, plus ten percent (10%). For reproduction work beyond that identified in Article III, CITY shall pay ENGINEER for reproduction work at the current commercial rates.

Progress payments shall be made monthly upon receipt of an invoice from ENGINEER outlining the work tasks performed and an estimated percent completion of the work along with itemized charges for services performed during the period in accordance with the standard hourly rates agreed upon as shown herein.

The aggregate of monthly progress payments shall not exceed the following:

- A. Until satisfactory completion of 90% interim review plans and specifications hereunder, a lump sum not to exceed 90% of the total fee, less previous payments.
- B. Until satisfactory completion of 100% final review plans and specifications hereunder, a lump sum not to exceed 98% of the total fee, less previous payments.
- C. Balance of earnings to be due and payable upon completion and preparation of the "Record Drawings".

DUNAWAY 2024 STANDARD HOURLY BILL RATE SCHEDULE

STAFF TYPE	HOURLY BILL RATE	
Administrative	\$90.00 -	\$160.00
Information Systems	\$110.00 -	\$121.00
Marketing/Business Development	\$95.00 -	\$275.00
Financial	\$128.00 -	\$286.00
Civil Technician	\$116.00 -	\$127.00
Civil Designer	\$65.00 -	\$152.00
Graduate Engineer	\$138.00 -	\$158.00
Project Engineer	\$154.00 -	\$211.00
Managing Engineer	\$175.00 -	\$193.00
Technical Engineer	\$226.00 -	\$303.00
Project Surveyor	\$150.00 -	\$180.00
Survey Party Chief	\$138.00 -	\$175.00
Survey Technician	\$95.00 -	\$141.00
Survey Field Assistant	\$73.00 -	\$91.00
GIS	\$105.00 -	\$171.00
Planner	\$115.00 -	\$243.00
Planning Analyst	\$116.00 -	\$142.00
Landscape Designer	\$118.00 -	\$145.00
Landscape Architect	\$121.00 -	\$250.00
Environmental Scientist	\$116.00 -	\$154.00
Intern	\$75.00 -	\$83.00
Construction Inspectors	\$129.00 -	\$150.00
Discipline Lead	\$154.00 -	\$270.00
Engagement Manager	\$238.00 -	\$350.00
Line of Business Manager/Executive	\$227.00 -	\$330.00
Regional Manager/Executive	\$280.00 -	\$308.00
Managing Partner	\$390.00 -	\$429.00
Chairman/President	\$475.00 -	\$550.00