CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

DATE: November 2, 2020

ITEM:

Resolution - Approving Professional Services Agreement
South Grand Prairie Parkway – Stagecoach Drive to Booneville Road

FINANCIAL IMPACT:

The cost of the Professional Services Agreement associated with the design of this project is anticipated not to exceed $775,000.00 for Basic Services. In addition, the cost for performing Resident Consultant Services will not exceed $450,000.00. Should the cost for the professional services be projected to exceed the amounts set forth in the contract, staff would not authorize such expenditures without further approval by the City Council. All work will be billed on an hourly basis using the established hourly fee structure as set forth in the contract. All costs for these services can be paid from account no. 500.000.000.5250.495 with the ultimate funding intended to come from TIF bond proceeds.

BACKGROUND:

Approval of this action authorizes Shive-Hattery, Inc. to perform the professional services necessary for the construction of South Grand Prairie Parkway from Stagecoach Drive to Booneville Road as part of the proposed Ginger West development. South Grand Prairie Parkway (major arterial) will ultimately be a six-lane divided urban roadway, but only three lanes will be constructed as part of the initial construction. The project will include grading, storm sewer, watermain, communications conduit, paving, multi-use trail, and other miscellaneous work.

The Engineering Services Department retains professional consultants based on their past work experience, qualifications of their staff, familiarity with the project, staffing availability, and past performance. Once a firm has been selected based on the above criteria, City staff then negotiates a fee with the consultant for performing the desired scope of services. City staff attempts, whenever feasible, to distribute professional services work on an equitable basis to qualified firms maintaining local metropolitan area offices who have expressed interest in working for the City of West Des Moines.

OUTSTANDING ISSUES: None.

RECOMMENDATION:

City Council Adopt:

- Resolution Approving Professional Services Agreement for South Grand Prairie Parkway – Stagecoach Drive to Booneville Road.

Lead Staff Member: Brian J. Hemesath, P.E., City Engineer

STAFF REVIEWS

Department Director	Brian J. Hemesath, P.E., City Engineer
Appropriations/Finance	Tim Stiles, Finance Director
Legal	Richard Scieszinski, City Attorney
Agenda Acceptance	

PUBLICATION(S) (if applicable)

Published In	
Dates(s) Published	

SUBCOMMITTEE REVIEW (if applicable)

Committee	Public Services		
Date Reviewed	October 26, 2020		
Recommendation	Yes	No	Split

RESOLUTION APPROVING PROFESSIONAL SERVICES AGREEMENT

WHEREAS, funding is available for the following described public project:

South Grand Prairie Parkway – Stagecoach Drive to Booneville Road
Project No. 0510-011-2021

and,

WHEREAS, said project Plans, Specifications, Form of Contract, and Estimate of Cost need to be prepared; and

WHEREAS, Engineering Services Department staff have recommended Plans, Specifications, Form of Contract, and Estimate of Cost be prepared by Shive-Hattery, Inc., and

WHEREAS, the Engineering Services Department has obtained a written proposal from Shive-Hattery, Inc. to do the work requested, which estimates the following cost to the City of West Des Moines;

Basic Services of the Consultant	**$ 775,000.00**
Resident Consultant Services	**$ 450,000.00**
Total	**$1,225,000.00**

therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA, that Shive-Hattery Inc. is hereby directed to prepare Plans, Specifications, Form of Contract, and Estimate of Cost for the above named project.

BE IT FURTHER RESOLVED, that the City Clerk is authorized and directed to enter into an agreement with Shive-Hattery, Inc. for the cost indicated above as payment by the City of West Des Moines for the services indicated.

PASSED AND APPROVED on this **2nd** day of **November, 2020.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES

This Agreement is made and entered into this 2nd day of November, 2020, by and between the CITY OF WEST DES MOINES, a municipal corporation, hereinafter referred to as "City", and SHIVE-HATTERY, Inc. (Fed. I.D. #42-08770172), a professional corporation incorporated and licensed under the laws of the State of Iowa, party of the second part, hereinafter referred to as "Consultant" as follows:

THE CITY HEREBY AGREES TO RETAIN THE CONSULTANT FOR THE PROJECT AS DESCRIBED IN THIS AGREEMENT AND CONSULTANT AGREES TO PERFORM THE PROFESSIONAL SERVICES AND FURNISH THE NECESSARY DOCUMENTATION FOR THE PROJECT AS GENERALLY DESCRIBED IN THIS AGREEMENT.

1. SCOPE OF SERVICES

   Services provided under this Agreement for the South Grand Prairie Parkway - Stagecoach Drive to Booneville Road (Project No. 0510-011-2021) shall be as further described in Attachment 1, Scope of Services.

2. SCHEDULE

   The schedule of the professional services to be performed shall conform to the Schedule set forth in Attachment 2. Any deviations from the Schedule shall be approved by the authorized City representative. The City agrees that the Consultant is not responsible for delays arising from a change in the scope of services, a change in the scale of the Project or delays resulting from causes not directly or indirectly related to the actions of the Consultant.

3. COMPENSATION

   A. In consideration of the professional services provided herein, the City agrees to pay the Consultant the following sum NOT-TO-EXCEED, including any authorized reimbursable expenses, pursuant to the Schedule of Fees set forth in Attachment 3.

I. Basic Services of the Consultant	$ 775,000
II. Resident Consultant Services	$ 450,000
Total	$1,225,000

   B. The Consultant shall invoice the City monthly for services, any reimbursable expenses and any approved amendments to this Agreement, based upon services actually completed at the time of the invoice. Final payment shall be due and payable within 30 days of the City's acceptance of Consultant's submission of final deliverables in accordance with the Scope of Services.

   C. In consideration of the compensation paid to the Consultant, the Consultant agrees to perform all professional services to the satisfaction of the City by performing the professional services in a manner consistent with that degree of care and skill ordinarily exercised by members of Consultant's profession currently practicing under similar circumstances. If the performance of this Agreement involves the services of others or the furnishing of equipment, supplies, or materials, the Consultant agrees to pay for the same in full.

4. INSURANCE

A. Consultant understands and agrees that Consultant shall have no right of coverage under any and all existing or future City comprehensive, self or personal injury policies. Consultant shall provide insurance coverage for and on behalf of Consultant that will sufficiently protect Consultant or Consultant' representative(s) in connection with the professional services which are to be provided by Consultant pursuant to this Agreement, including protection from claims for bodily injury, death, property damage, and lost income. Consultant shall provide worker's compensation insurance coverage for Consultant and all Consultant's personnel. Consultant shall file applicable insurance certificates with the City, and shall also provide evidence of the following additional coverage.

B. The Consultant shall provide evidence of comprehensive general liability coverage and contractual liability insurance by an insurance company licensed to do business in the State of Iowa in the limits of at least $1,000,000 each personal injury accident and/or death; $1,000,000 general aggregate personal injury and/or death; and $1,000,000 for each property damage accident. The evidence shall designate the City as an additional insured, and that it cannot be canceled or materially altered without giving the City at least thirty (30) days written notice by registered mail, return receipt requested.

C. The Consultant shall also provide evidence of automobile liability coverage in the limits of at least $1,000,000 bodily injury and property damage combined. The evidence shall designate the City as an additional insured, and that it cannot be cancelled or materially altered without giving the City at least thirty (30) days written notice by registered mail, return receipt requested.

D. The Consultant shall provide evidence of professional liability insurance, by an insurance company licensed to do business in the State of Iowa, in the limit of $1,000,000 for claims arising out of the professional liability of the Consultant. Consultant shall provide City written notice within five (5) days by registered mail, return receipt requested of the cancellation or material alteration of the professional liability policy.

E. Failure of Consultant to maintain any of the insurance coverages set forth above shall constitute a material breach of this Agreement.

5. NOTICE

Any notice to the parties required under this agreement shall be in writing, delivered to the person designated below, by United States mail or in hand delivery, at the indicated address unless otherwise designated in writing.

FOR THE CITY:

Name: City of West Des Moines
Attn: Ryan T. Jacobson, City Clerk
Address: 4200 Mills Civic Parkway
City, State: West Des Moines, IA 50265-0320

FOR THE CONSULTANT:

Name: Shive-Hattery, Inc.
Attn: Nathan T. Hardisty, Project Manager
Address: 4125 Westown Pkwy, Suite 100
City, State: West Des Moines, IA 50266

6. GENERAL COMPLIANCE

In the conduct of the professional services contemplated hereunder, the Consultant shall comply with applicable state, federal, and local law, rules, and regulations, technical standards, or specifications issued by the City. Consultant must qualify for and obtain any required licenses prior to commencement of work, including any professional licenses necessary to perform work within the State of Iowa.

7. STANDARD OF CARE

Services provided by the Consultant under this Agreement shall be performed in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances.

8. INDEPENDENT CONTRACTOR

Consultant understands and agrees that the Consultant and Consultant's employees and representatives are not City employees. Consultant shall be solely responsible for payment of salaries, wages, payroll taxes, unemployment benefits, or any other form of compensation or benefit to Consultant or Consultant's employees, representatives or other personnel performing the professional services specified herein, whether it be of a direct or indirect nature. Further, it is expressly understood and agreed that for such purposes neither Consultant nor Consultant's employees, representatives or other personnel shall be entitled to any City payroll, insurance, unemployment, worker's compensation, retirement, or any other benefits whatsoever.

9. NON-DISCRIMINATION

Consultant will not discriminate against any employee of applicant for employment because of age, color, creed, disability, gender identity, national origin, race, religion, sex, sexual orientation, or veteran status. Consultant will, where appropriate or required, take affirmative action to ensure that applicants are employed, and that employees are treated, during employment, without regard to their age, color, creed, disability, gender identity, national origin, race, religion, sex, sexual orientation, or veteran status. Consultant will cooperate with the City in using Consultant's best efforts to ensure that Disadvantaged Business Enterprises are afforded the maximum opportunity to compete for subcontracts of work under this Agreement.

10. HOLD HARMLESS

Consultant agrees to indemnify and hold harmless the City, its officers, agents, and employees from any and all claims, settlements and judgments, to include all reasonable investigative fees, attorney's fees, and court costs for any damage or loss which is due to or arises from a breach of this Agreement, or from negligent acts, errors or omissions in the performance of professional services under this Agreement and those of its sub consultants or anyone for whom Consultant is legally liable.

11. ASSIGNMENT

Consultant shall not assign or otherwise transfer this Agreement or any right or obligations therein without first receiving prior written consent of the City.

12. APPROPRIATION OF FUNDS

The funds appropriated for this Agreement are equal to or exceed the compensation to be paid to Consultant. The City's continuing obligations under this Agreement may be subject to appropriation of funding by the City Council. In the event that sufficient funding is not appropriated in whole or in part for continued performance of the City's obligations under this Agreement, or if appropriated funding is not expended due to City spending limitations, the City may terminate this Agreement without further compensation to the Consultant. To the greatest extent allowed by law, the City shall compensate Consultant as provided in Section 18(B) of this Agreement.

13. AUTHORIZED AMENDMENTS TO AGREEMENT

A. The Consultant and the City acknowledge and agree that no amendment to this Agreement or other form, order or directive may be issued by the City which requires additional compensable work to be performed if such work causes the aggregate amount payable under the amendment, order or directive to exceed the amount appropriated for this Agreement as listed in Section 3, above, unless the Consultant has been given a written assurance by the City that lawful appropriation to cover the costs of the additional work has been made.

B. The Consultant and the City further acknowledge and agree that no amendment to this Agreement or other form, order or directive which requires additional compensable work to be performed under this Agreement shall be issued by the City unless funds are available to pay such additional costs, and the Consultant shall not be entitled to any additional compensation for any additional compensable work performed under this Agreement. The Consultant expressly waives any right to additional compensation, whether in law or equity, unless prior to commencing the additional work the Consultant was given a written amendment, order or directive describing the additional compensable work to be performed and setting forth the amount of compensation to be paid, such amendment, order or directive to be signed by the authorized City representative. It is the Consultant's sole responsibility to know, determine, and ascertain the authority of the City representative signing any amendment, directive or order.

14. OWNERSHIP OF CONSULTING DOCUMENTS

All sketches, tracings, plans, specifications, reports, and other data prepared under this Agreement shall become the property of the City; a reproducible set shall be delivered to the City at no additional cost to the City upon completion of the plans or termination of the services of the Consultant. All drawings and data shall be transmitted in a durable material, with electronic files provided when feasible to do so. The Consultant's liability for use of the sketches, tracings, plans, specifications, reports, and other data prepared under this Agreement shall be limited to the Project.

15. INTERPRETATION

No amendment or modification of this Agreement shall be valid unless expressed in writing and executed by the parties hereto in the same manner as the execution of the Agreement. This is a completely integrated Agreement and contains the entire agreement of the parties; any prior written or oral agreements shall be of no force or effect and shall not be binding upon either party. The laws of the State of Iowa shall govern and any judicial action under the terms of this Agreement shall be exclusively within the jurisdiction of the district court for Polk County, Iowa.

16. COMPLIANCE WITH FEDERAL LAW

To the extent any federal appropriation has or will be provided for the Project, or any federal requirement is imposed on the Project, Consultant agrees that Consultant will comply with all relevant laws, rules and regulations imposed on City and/or Consultant necessary for receipt of the federal appropriation. Consultant shall provide appropriate certification regarding Consultant's compliance.

17. SOLICITATION AND PERFORMANCE

A. The Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working for the Consultant, to solicit or secure this Agreement, and that the Consultant has not paid or agreed to pay any company or person other than a bona fide employee, any fee, commission, percentage, brokerage fee, gift or contingent fee.

B. The Consultant shall not engage the services of any person or persons in the employ of the City at the time of commencing such services without the written consent of the City.

18. SUSPENSION AND TERMINATION OF AGREEMENT

A. The right is reserved by the City to suspend this Agreement at any time. Such suspension may be effected by the City giving written notice to the Consultant, and shall be effective as of the date established in the suspension notice. Payment for Consultant's services shall be made by the City for services performed to the date established in the suspension notice. Should the City reinstate the work after notice of suspension, such reinstatement may be accomplished by thirty (30) days written notice within a period of six (6) months after such suspension, unless this period is extended by written consent of the Consultant.

B. Upon ten (10) days written notice to the Consultant, the City may terminate the Agreement at any time if it is found that reasons beyond the control of either the City or Consultant make it impossible or against the City's interest to complete the Agreement. In such case, the Consultant shall have no claims against the City except for the value of the work performed up to the date the Agreement is terminated.

C. The City may also terminate this Agreement at any time if it is found that the Consultant has violated any material term or condition of this Agreement or that Consultant has failed to maintain workers' compensation insurance or other insurance provided for in this Agreement. In the event of such default by the Consultant, the City may give ten (10) days written notice to the Consultant of the City's intent to terminate the Agreement. Consultant shall have ten (10) days from notification to remedy the conditions constituting the default.

D. In the event that this Agreement is terminated in accordance with paragraph C of this section, the City may take possession of any work and may complete any work by whatever means the City may select. The cost of completing said work shall be deducted from the balance which would have been due to the Consultant had the Agreement not been terminated and work completed in accordance with contract documents.

E. The Consultant may terminate this Agreement if it is found that the City has violated any material term or condition of this Agreement. In the event of such default by the City, the Consultant shall give ten (10) days written notice to the City of the Consultant's intent to terminate the Agreement. City shall have ten (10) days from notification to remedy the conditions constituting the default.

19. TAXES

The Consultant shall pay all sales and use taxes required to be paid to the State of Iowa on the work covered by this Agreement. The Consultant shall execute and deliver and shall cause any sub-consultant or subcontractor to execute and deliver to the City certificates as required to permit the City to make application for refunds of said sales and use taxes as applicable. The City is a municipal corporation and not subject to state and local tax, use tax, or federal excise taxes.

20. SEVERABILITY

If any portion of this Agreement is held invalid or unenforceable by a court of competent jurisdiction, the remaining portions of this Agreement shall continue in full force and effect.

21. MISCELLANEOUS HEADINGS

Title to articles, paragraphs, and subparagraphs are for information purposes only and shall not be considered a substantive part of this Agreement.

22. FURTHER ASSURANCES

Each party hereby agrees to execute and deliver such additional instruments and documents and to take all such other action as the other party may reasonably request from time to time in order to effect the provisions and purposes of this Agreement.

23. COUNTERPARTS

This Agreement may be executed in any number of counterparts, each of which shall constitute an original document, no other counterpart needing to be produced, and all of which when taken together shall constitute the same instrument.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officers or agents on the day and year first above written.

SHIVE-HATTERY, INC.	CITY OF WEST DES MOINES
BY: Nathan Hardisty Oct 22 2020 11:09 PM	BY: _____
Nathan T. Hardisty, Project Manager	Ryan T. Jacobson, City Clerk

ATTACHMENT 1

South Grand Prairie Parkway – Stagecoach Drive to Booneville Road
Project No. 0510-011-2021

SCOPE OF SERVICES

DIVISION I - BASIC SERVICES OF THE CONSULTANT

The Consultant shall consult on a regular basis with the City to clarify and define the City's requirements. The City agrees to furnish to the Consultant full information with respect to the City's requirements, including any special or extraordinary considerations for the Project or special services needed, and to make available pertinent existing data. The South Grand Prairie Parkway – Stagecoach Drive to Booneville Road project is generally described as follows:

Conceptual Design, Surveys and Mapping, Preliminary Design, Coordination with adjacent projects, Final Plans and Specifications, Bidding, Construction Administration and Resident Consulting Services for the construction of South Grand Prairie Parkway from Stagecoach Drive to Booneville Road.

This scope of services is based on the following project assumptions:

- South Grand Prairie Parkway from Booneville Road to Stagecoach Drive, approximate project length is 4,200 LF.
- Grading to be completed for a future 6 lane roadway section, 3 lanes to be paved with this project.
- Storm Sewer for the future 6 lane roadway section to be constructed as part of the project.
- Watermain to be constructed on the east side of the roadway as part of the project, including a separate watermain bid package
- Trail to be constructed on the west side of the roadway
- Fiber optic to serve the Microsoft development known as Ginger West and conduit for the City's Open Access Conduit Network to be constructed with the project.

The scope of services to be performed by the Consultant shall be completed in accordance with generally accepted standards of practice and shall include the services to complete the following tasks:

1. **Project Management**
   a. The Project Manager will manage the budget and schedule for the project, serve as the point of contact for City staff, be responsible for coordinating all work done by the design team, and shall provide the City with weekly progress reports and other information via the West Des Moines SharePoint site for the project.
   b. Meet with City Staff and Stakeholder as required
   c. Conduct coordination with other Ginger West public infrastructure engineering consultants and the City of West Des Moines. Provide mapping and graphics to assist in the property acquisition and overall project development of Ginger West Public Infrastructure.

2. **Conceptual Design**
   Complete conceptual design for the proposed street improvements. A conceptual level opinion of probable cost will be completed.

3. **Surveys and Mapping**
   a. The Consultant shall perform field and office tasks required to collect topographic data, and right-of-way information deemed necessary to complete the project.
   b. The Consultant will conduct field surveys to obtain topographic data, ground elevations, and cross sections required for the development of the Project.

c. The Consultant will contact the various utility companies and collect available information on underground utility locations and incorporate such available utility information into the base mapping of the project. Utilities to be researched include sanitary sewer, storm sewer, electric, gas, water, telephone, cable, and fiber optic lines.

d. The Consultant will research City, County, and State Records to establish locations of property lines, right-of-way lines, and property ownership for the properties affected by the project and incorporate this data into the base mapping of the project.

e. Staking of right-of-way, if necessary, for property acquisition purposes and staking of project limits in coordination with adjacent ag planting.

4. Geotechnical Exploration (By Subconsultant)

Subsurface exploration will be completed based on preliminary alignments and profiles of the proposed improvements. We propose to drill 31 borings 10 to 40 feet deep. This includes 11 centerline borings 10 to 20 feet deep, 4 fill area borings 25 to 40 feet deep, and 6 cut area/backslope borings 15 to 25 feet deep. The propose street centerline borings are spaced at approximately 400 feet apart,

Laboratory Analysis shall consider the following

- Water Content
- Unit Weight
- Unconfined Compressive Strength
- Atterberg Limits
- Grain Size Analysis (sieve and hydrometer)
- Moisture-density relationship (standard proctor)
- California Bearing Ratio test
- One-dimensional consolidation

Engineering Analysis shall include and consider the following:

- Boring logs with field and laboratory data
- Stratification based on visual soil description
- Groundwater levels observed during and shortly after the completion of drilling
- Site Location and Exploration Plan
- Subsurface exploration procedures
- Description of subsurface conditions
- Earthwork construction, including:
  - Site preparation
  - Shrink-swell soil design considerations, if applicable
  - Structural fill material types, including suitability of on-site soils
  - Structural fill compaction criteria
  - Excavation considerations
  - Dewatering considerations (if applicable)
- Pavements
  - Opinions of minimum pavement thicknesses (PCC sections)
  - Subgrade preparation recommendations for pavements
  - Subsurface drainage recommendations for pavements
- Geotechnical analysis of roadway embankments and backslopes (if necessary)
  - Global slope stability analyses of 'large fill' and 'large backslope cut' areas (up to 2locations)
  - Settlement of 'large fill' areas (up to 2 locations)

5. **Preliminary Design**
The Consultant will perform preliminary design services in the preparation of design plans and specifications depicting the proposed grading, drainage, paving, signing, utilities, and other features of the project. It is anticipated that two sets of preliminary Design plans will be completed. One for grading and watermain construction and one for the remainder of construction within the corridor. Preliminary Design to include the following:

- Title and General Information Sheets (A Sheets)
- Preliminary Typical Cross Sections (B Sheets)
- Preliminary Plan and Profiles (D and E Sheets)
- Reference Ties and Bench Marks (G Sheets)
- Preliminary ROW Sheets, if necessary (H Sheets)
- Preliminary Staging, if necessary (J Sheets)
- Preliminary Storm Drainage Design (M Sheets)
- Preliminary Pavement Marking and Signage (N Sheets)
- Preliminary Watermain Plan and Profile (O Sheets)
- Preliminary Street Lighting Design Sheets (P Sheets)
- Preliminary Culvert Situation Plan (V Sheets)
- Cross Sections (W, X, Y Sheets)
- Opinion of Probable Construction Cost
- Meetings as required for completion of the project, including a public meeting if necessary
- Acquisition plats and temporary easement exhibits. It is anticipated property acquisition may be needed on up to nine parcels.

6. **Final Plans and Specifications – Bid Package 1 – Tree Clearing**
Early tree clearing for the project corridor is anticipated. Tree clearing to include coordination with and inclusion of tree clearing of other City of West Des Moines projects planned to provide infrastructure to the development known as Ginger West. Tree clearing anticipated to be a standalone bid package or included within the project plans for City of West Des Moines project 0510-030-2016 South Grand Prairie Parkway, Mills Civic Parkway to Stagecoach Drive.

7. **Final Plans and Specifications – Bid Package 2 – Grading and Watermain**
Based upon the approved preliminary design, the Consultant shall subsequently proceed with final design, contract drawings, specifications, and an opinion of probable construction costs for the award of bid package 2 for the construction of grading and watermain. Final Plans and Specifications for grading and watermain to include the following:

- Title and General Information Sheets (A Sheets)
- Typical Grading and Watermain Cross Sections and Future Roadway Cross Sections (B Sheets)
- Estimate of Quantities and Estimate Reference Information (C Sheets)
- Future Plan and Profiles (D and E Sheets)
- Erosion Control Sheets (EC Sheets)
- Reference Ties and Bench Marks (G Sheets)
- ROW Sheets and Plats (H Sheets)
- Traffic Control and Staging, if any (J Sheets)
- Watermain Plan, Profile, and Details (MWM Sheets)
- Construction Details (U Sheets)
- Detailed Cross Sections (W, X, Y Sheets)
- Opinion of Probable Cost
- Meetings as required for completion of the project

8. **Final Plans and Specifications – Bid Package 3 – Grading, Storm Sewer, Paving**
Based upon approved preliminary design, the Consultant shall subsequently proceed with final design, contract drawings, specifications, and an opinion of probable construction costs for the award of a single Contract for the construction of the proposed improvements. Final Plans and Specifications to include the following:

- Title and General Information Sheets (A Sheets)
- Typical Cross Sections (B Sheets)
- Estimate of Quantities (C Sheets)
- Plan and Profiles (D and E Sheets)
- Erosion Control Sheets (EC Sheets)
- Reference Ties and Bench Marks (G Sheets)
- ROW Sheets and Plats (H Sheets)
- Traffic Control and Staging (J Sheets)
- Intersection Geometrics (L Sheets)
- Storm Drainage Design (M Sheets)
- Pavement Marking and Signage (N Sheets)
- Street Lighting Design Sheets (P Sheets)
- ADA Sidewalk and Trail Plans (S Sheets)
- Earthwork Sheets (T Sheets)
- Construction Details (U Sheets)
- Culvert Plans, if required (V Sheets)
- Detailed Cross Sections (W, X, Y Sheets)
- Stormwater Drainage Report to document the stormwater design including hydrology and hydraulics for the project
- Opinion of Probable Cost
- Meetings as required for completion of the project

9. **Permitting**
Subconsultant will contact the USACE and FWS to obtain guidance on whether a modification of the previously issued Section 404 Permit is needed based on the revised grading plan. Fees assume up to 16 hours of coordination time will be provided. Fees for a mist nest study or other in-depth field studies are not included in this scope and are not anticipated based upon a mist net study completed in July of 2018. A proposal for additional services, if needed, will be provide following input from the regulatory agencies.

10. **Bidding**
The Consultant will coordinate and manage the letting process for each bid package of project including printing of plans and specifications, preparing the formal Notice of Hearing and Letting, and plan clarification and addenda. Consultant to attend bid opening, prepare the bid tabulation, make recommendation of award of contract, and secure the necessary contractual documents.

DIVISION II – RESIDENT CONSULTING SERVICES

1. **Construction Administration**
   a. Construction Administration services shall consist of office-based services to assist the City in implementing the construction contract for each of the three bid packages in this scope of services. The work tasks to be performed by the Consultant shall include the following:
      i. Conduct a Pre-Construction Meeting after the award of the construction contract for the Contractor, Subcontractors, Utility Companies, and other interested parties.
      ii. Review Shop drawings, samples, and other data which the Contractor is required to submit.
      iii. Participate in weekly Construction meetings. For budgeting purposes, it is assumed meetings will completed in accordance with the schedule included within this professional services agreement.
      iv. Provide visits to the site at intervals appropriate to the various stages of construction as the Consultant deems necessary in order to observe as an experienced and qualified design professional the progress and quality of the various aspects of the Contractor's work. For budgeting purposes, it is assumed one site visits per week will be completed in accordance with the schedule included within this professional services agreement and shall coincide with the timing of the weekly construction meetings.
      v. Provide a final review of work for each phase to determine if work has been completed satisfactorily according to contract documents. Prepare a list of deficient items to the Contractor as required.
      vi. Review final payment application, bonds, and provide recommendation to Owner for final project acceptance.
      vii. Issue necessary interpretations and clarifications of the plans, and in connection therewith, prepare change orders as required.
      viii. Assist in processing Pay Requests and Change orders.
      ix. Prepare construction record drawings defining the actual location of improvements and fixtures showing those changes made during construction, based on the marked-up drawings and other data furnished by the contractor and the Resident Construction observer. Field survey of the constructed project is not included.

2. **Resident Construction Observation**
   a. Work to be performed under this phase of the Project shall include frequent resident observation of the construction work in addition to that included under Construction Administration. The Consultant shall determine the quantities of work completed and recommend, in writing, payments to the Contractor in such amounts. Resident Construction Observation Services are assumed to be completed in accordance with schedule included within this professional services agreement.
   b. Documentation of construction progress as observed by resident construction observers including photographs and written field reports containing information on unexpected issues encountered in the field, timing of when individual infrastructure items are installed, and weather conditions on site.
   c. Work shall include observing the performance of construction work and advising the Contractor and the City of non-complying work or materials incorporated into the project.
   d. For budgeting purposes, it is assumed meetings will completed in accordance with the schedule included within this professional services agreement with a maximum of 3300 hours of construction observation.

ADDITONAL SERVICES NOT INCLUDED IN THIS CONTRACT

Additional Services not included as part of this Scope. If authorized, under a supplemental agreement, the Consultant shall furnish or obtain from others the following services:

1. Real Estate Acquisition Services, with the exception of platting and exhibits required for acquisition – See acquisition Plats and temporary easement exhibits under Preliminary Design section
2. Preparation of Environmental Documentation CE/EA/EIS
3. Phase II Cultural Resource Survey
4. Contaminated Soils Investigations
5. Traffic Signal Design
6. Bridge Design
7. Streetscape Design
8. Subsurface Utility Investigations
9. Construction Surveys, with the exception of that to define project limits for right-of-way acquisition and coordination with ag planting of adjacent fields.
10. Construction Period Testing Services other than fresh concrete testing

ATTACHMENT 2

South Grand Prairie Parkway – Stagecoach Drive to Booneville Road
Project No. 0510-011-2021

PROJECT SCHEDULE

The time of completion of the design and engineering services under this Agreement shall be as follows:

1. Basic Services of the Consultant

a.	Anticipated Contract Approval	November 2nd, 2020
b.	Design Surveys and Mapping	November 2020
c.	Preliminary Design	November - December 2020
d.	Final Design – Tree Clearing	January 2021
e.	Final Design – Grading and Watermain	January 2021 – March 2021
f.	Final Design – Storm Sewer and Roadway	January 2021 – November 2021
g.	Bidding	February 2021, April 2021, September 2021

2. Resident Consultant Services.

a.	Construction Administration	March 2021 – December 2022
b.	Construction Observation – Tree Clearing	March – April 2021
c.	Construction Observation – Grading and Watermain	April – October 2021
d.	Construction Observation – Storm Sewer and Roadway	October 2021 – October 2022

ATTACHMENT 3

South Grand Prairie Parkway – Stagecoach Drive to Booneville Road
Project No. 0510-011-2021

SCHEDULE OF FEES

STANDARD HOURLY FEE SCHEDULE

Effective January 1, 2020 to December 31, 2020

PROFESSIONAL STAFF:		TECHNICAL STAFF:	
Grade 1	$ 90.00	Grade 1	$ 63.00
Grade 2	$109.00	Grade 2	$ 78.00
Grade 3	$122.00	Grade 3	$ 88.00
Grade 4	$136.00	Grade 4	$ 95.00
Grade 5	$150.00	Grade 5	$108.00
Grade 6	$163.00	Grade 6	$122.00
Grade 7	$177.00	Grade 7	$137.00
Grade 8	$195.00		
Grade 9	$210.00		

ADMIN STAFF: $ 62.00

SURVEY STAFF:

One Person	$135.00
Two Person	$208.00
One Person with ATV	$161.00
Two Person with ATV	$234.00
Drone Surveyor (Video or Photogrammetry)	$160.00
Drone Surveyor (Thermography)	$320.00
Hydrographic Survey Crew (Two Person)	$274.00
Scanning Surveyor	$175.00
Surveyor with Two Scanners	$250.00

REIMBURSABLE EXPENSES:

TRAVEL

Mileage- Car/Truck	$0.57/ Mile
Mileage- Survey Trucks	$0.67/ Mile

IN-HOUSE SERVICES

Prints/Plots:

Bond	$ .30/Sq. Ft.
Mylar	$ .75/Sq. Ft.
Photogloss	$ .90/Sq. Ft.
Color Bond	$ .60/Sq. Ft.
Foam Core Mounting	$ 13.00

OUTSIDE SERVICES

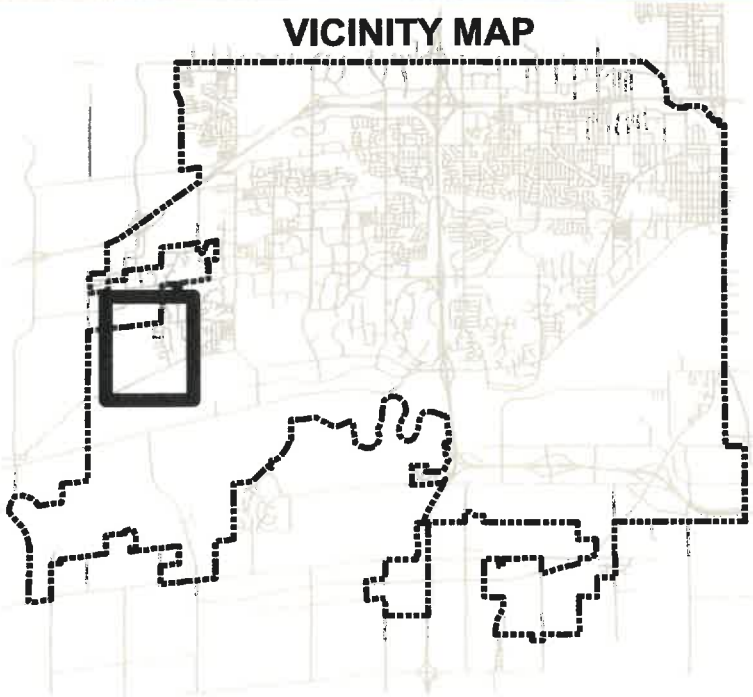
Aerial Photogrammetry	Cost + 10%
Professional Services	Cost + 10%
Prints/Plots/Photos	Cost + 10%
Deliveries	Cost + 10%

Color Prints:

Letter Size	$ 1.00
Legal Size	$ 2.00

An annual 4% inflation adjustment is anticipated for work completed beyond 2020.

VICINITY MAP



LEGEND

PROJECT LOCATION

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THE CITY OF WEST DES MOINES

PROJECT:

South Grand Prairie Parkway

LOCATION: **Stagecoach Drive to Booneville Road**

DRAWN BY: JDR	DATE: 10/19/2020	PROJECT NUMBER/NAME: 0510-011-2021	SHT. 1 of 1