

ITEM#: 19a
DATE: 04-09-19

COUNCIL ACTION FORM

**SUBJECT: PROFESSIONAL SERVICE AGREEMENT WITH SHIVE HATTERY INC.
FOR DESIGN SERVICES FOR THE IOWA STATE UNIVERSITY
RESEARCH PARK PHASE IV IMPROVEMENTS PROJECT**

BACKGROUND:

In the summer of 2018, work began on the development of an Iowa State University (ISU) Research Park lot located at 3525 South Riverside Drive for John Deere. The next phase of ISU Research Park improvements (Phase IV) includes this lot and the development of the surrounding area. These associated public improvements include the paving of approximately 1,570 feet of South Riverside Drive (with shared use path), 1,860 feet of Collaboration Place (with on-street bike lanes), the extension of sanitary sewer and water main, and the installation of electric service improvements and street lighting.

The funding for these improvements will be provided in part through an Economic Development Administration (EDA) grant that was awarded in September of 2018. In addition to the EDA grant funds, a Revitalize Iowa's Sound Economy (RISE) grant was also awarded in January 2019.

Because the EDA grant is federally funded, City Staff followed a federal aid approved process for consultant selection. A Request for Qualifications (RFQ) was sent out in June 2018 for two separate projects; utility improvements and street improvements. Due to delays in the grant applications and awards, the utility improvements project was no longer feasible as a separate project. Therefore, only the five consulting firms who responded to the street improvements project were evaluated. A summary of their scores is shown below (out of 100 possible points):

Consultant	Score
Shive Hattery	88.8
WHKS	87.5
HR Green	86.3
Bolton & Menk	83.8
Snyder & Associates	81.8

Shive Hattery Inc. was scored by the RFQ evaluation team to be the most qualified firm to develop the plans for this improvement project. Therefore, staff worked with Shive Hattery to draft a Professional Service Agreement (PSA) (Attachment 1). This contract agreement has been modified to include additional federal requirements and has been reviewed and approved by the City's legal department and the EDA. The not to exceed total cost of the PSA is \$291,920. Construction inspection services are not included in this PSA. Another RFQ will be created and issued for those services.

As previously stated, this project will be primarily funded with a federal EDA grant and a state RISE grant. These grants will provide approximately 90% of the estimated project costs. The remaining funding will be provided with tax increment financing (TIF) abated GO bonds and City of Ames Electric funds as shown below.

Funding Source	Available Funding	Estimated Expense
Iowa DOT (RISE)	\$1,812,905	
Department of Commerce (EDA)	\$1,743,558	
G.O. Bonds (TIF Abated)	\$ 314,204	
City of Ames Electric	\$ 135,000	
Engineering/Admin		\$ 493,939
Construction		\$2,993,178
TOTAL	\$4,005,667	\$3,487,116

Of the \$493,939 available for engineering and administration, \$291,920 will be allocated for this design PSA with Shive Hattery. The remaining \$202,019 is available for a future PSA for construction inspection services with a firm yet to be determined through an RFQ evaluation process.

ALTERNATIVES:

1. Approve the Professional Service Agreement with Shive Hattery Inc. for the design of the ISU Research Park Phase IV Improvements Project in an amount not to exceed \$291,920.
2. Reject the agreement.

MANAGER’S RECOMMENDED ACTION:

The ISU Research Park continues to be an important economic development area for the region. Approval of this agreement will allow the design of the next phase of improvements within this development area to begin.

Therefore, the City Manager recommends that the City Council adopt Alternative No. 1, as noted above.

AGREEMENT FOR CONSULTING SERVICES

Iowa State University Research Park Phase IV Road and Utility Improvements Project

THIS AGREEMENT is made and entered into as of _____, by and between the City of Ames, an Iowa Municipal Corporation, with offices located at Ames City Hall, Post Office Box 811, 515 Clark Avenue, Ames, Iowa 50010, hereinafter called "CITY", and Shive Hattery, hereinafter called "CONSULTANT".

WITNESSETH:

WHEREAS, the City desires to retain professional services for the IOWA STATE UNIVERSITY RESEARCH PARK PHASE IV ROAD & UTILITY IMPROVEMENTS PROJECT, and

WHEREAS, the Consultant represents that it is qualified to perform the services under this contract.

NOW, THEREFORE, and in consideration of mutual covenants hereinafter contained, it is mutually agreed between the parties as follows:

1. **SCOPE OF WORK:** The services to be performed by the Consultant include preparation of documents or consultation on the items described in Exhibits "1-3", attached hereto and by this reference made a part hereof.
2. **AMENDMENTS TO THE SCOPE OF WORK:** There shall be no increase in the amount of payment, Scope of Work or Time of Performance as stated in this Agreement except by written amendment approved by the City.
3. **CONSULTANT'S COMPENSATION AND METHOD OF PAYMENT:** For the services listed below and described in Exhibit "1", the Consultant shall be paid pursuant to the schedule of fees in Exhibit "3" for a total amount not to exceed \$291,920.00 as shown on a Professional Services Milestone Breakdown attached as Exhibit "4".
4. **TIME OF PERFORMANCE:** The Consultant agrees that it will diligently and responsibly pursue the performance of the services required of it by this Agreement for completion on, or before, the schedule of milestone tasks set out in the Project Schedule attached as Exhibit "2".
5. **COOPERATION BY THE CITY:** All public information, data, reports, records, and maps as are existing, available to the City as public records, and which are necessary for carrying out the work as outlined in the Scope of Work, shall be furnished to the Consultant without charge by the City. The City shall cooperate with the Consultant in every way possible to facilitate, without undue delay, the work to be performed under this Agreement, including turnaround of reviews and approvals.

6. DESIGNATED REPRESENTATIVES: The following individuals are hereby designated as representatives of the City and the Consultant respectively to act as liaison between parties:

CITY

Nathan Willey, P.E.
Civil Engineer II

CONSULTANT

Nathan Hardisty, P.E.
Project Manager

Mr. Nathan Hardisty, P.E. shall be the Project Manager in charge of monitoring performance by the Consultant and shall be responsible for the review of all work products prepared by the Consultant. Any change in designated representatives shall be promptly reported to the other party in order to insure proper coordination.

7. STANDARDS OF PERFORMANCE: The Consultant shall comply with all applicable laws, ordinances, and codes of the Federal, State, and local governments while performing the services described herein in a good, skillful, and professional manner.
8. CHANGE ORDERS: The Consultant shall notify the City, and receive authorization for change orders, prior to incurring any additional costs. The City will not compensate the Consultant for costs associated with, or resulting from, any unauthorized additional work.
9. OWNERSHIP OF DOCUMENTS: All reports, files, drawings, and other material prepared under this Agreement shall become the property of the City. In the event the City uses the Instruments of Service without the permission of the authors of the Instruments of Service, the City releases the Consultant from all claims and causes of action arising out of such uses. The City, to the extent permitted by law, further agrees to indemnify and hold harmless the Consultant from all costs and expenses, including the cost of defense, related claims and causes asserted by any third person or entity to the extent such costs and expenses arise from the City's use of the Instruments of Service.
10. PERSONNEL AND ASSIGNMENT: The Consultant represents that it has all personnel required to perform the services under this agreement. The Consultant's personnel shall not be employed by, nor have any direct contractual relationship with, the City. All services required hereunder shall be performed by the Consultant, its employees, or personnel under direct contract with the Consultant. The Consultant shall not assign the performance of the Agreement, nor any part thereof, without the prior written consent of the City.
11. AUTHORITY OF THE CONSULTANT: The Consultant shall be an independent contractor and shall not incur, or have the power to incur, any debt obligation or liability whatever against the City, or bind the City in any manner. The Consultant shall not disseminate any information or reports without the prior approval of the City in writing.

12. CONSULTANT'S ACCOUNTING RECORDS: Records of the Consultant's direct personnel, sub-consultants, and reimbursable and other expenses pertaining to the work and records of accounts between the City and consultants shall be kept on a generally recognized standard accounting basis and shall be available to the City or its authorized representatives at mutually convenient times.
13. TERMINATION: Either party may terminate this Agreement, with cause, upon thirty (30) days written notice to the other. In the event of such termination, the Consultant shall be compensated for all services rendered to the date of termination. Such compensation shall be paid within thirty (30) days of termination. In no event shall the amount due exceed the amount set forth in Exhibit "3". In the event of disagreement as to a portion of an amount claimed to be owed to the Consultant, the amount not in dispute shall be remitted promptly and the parties shall attempt to resolve their differences with respect to any remaining amounts.
14. NOTICE: Whenever it shall be necessary for either party to serve notice on the other respecting this Agreement, such notice shall be served by mail addressed to the City at: Ames City Hall, P.O. Box 811, 515 Clark Avenue, Ames, IA 50010, or to the Consultant at: 4125 Westown Parkway, Suite 100, West Des Moines, IA 50266, unless or until a different address may be furnished in writing by either party to the other, and such notice shall be deemed to have been served within seventy-two (72) hours after the same has been deposited in the United States Post Office, postage paid. This shall be valid and sufficient notice for all purposes.
15. CONFLICT OF INTEREST: The Consultant represents and agrees that the Consultant has not employed any person to solicit or procure this Agreement, and has not made, and will not make, any payment, or any agreement for payment of any commission, percentage, brokerage, contingent fees, or other compensation in connection with the procurement of this Agreement.
16. INDEMNIFICATION: Neither party hereto shall be liable for any damages proximately resulting from the negligent or wrongful actions or omissions of the other party, employees, agents, or contractors performing under this Agreement.
17. WORKER'S COMPENSATION: The Consultant agrees to provide the necessary Worker's Compensation insurance at the Consultant's own cost and expense for itself and any employees employed by the Consultant. The Consultant, and consulting agent and employees in the performance of this Agreement, shall act in an independent capacity and not as officers, employees, or agents of the City.
18. NON-DISCRIMINATION: During the performance of the Agreement, the Consultant shall not unlawfully discriminate against any employee or applicant for employment because of race, color, creed, religion, national origin, sex, sexual orientation, gender identity, disability, or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

19. FEDERAL REGULATIONS: The Consultant agrees to adhere to all federal contract provisions listed in Appendix II to Part 200 – “Contract Provisions for Non-Federal Entity Contracts Under Federal Awards” found in Title 2 of the Code of Federal Regulations (CFR).
20. EXCLUDED PARTIES LIST: The City has checked the website www.SAM.gov and verified that the Consultant does not appear on the Excluded Parties List.
21. EDA REQUIREMENTS AND CERTIFICATION REGARDING LOBBYING: The Consultant agrees to meet all Economic Development Administration (EDA) contract requirements and has submitted an executed copy of the Certification Regarding Lobbying as required by Section 1352, Title 31, of the US Code.
22. ENTIRE AGREEMENT: This Agreement shall constitute the entire Agreement between the parties. This Agreement supersedes any and all prior negotiations, representation, or agreements, either written or oral. Any amendments to, or clarification necessary to, this Agreement shall be in writing and acknowledged by all parties to the Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed effective the day and year first set forth above.

CITY OF AMES, IOWA

CONSULTANT

By: _____
John Haila, Mayor

By: _____
Nathan Hardisty, Project Manager

Attest by: _____
Diane R. Voss, City Clerk

Agreement for Consulting Services


APPROVED AS TO FORM
BY 
VICTORIA A. FEILMEYER
ASSISTANT CITY ATTORNEY

EXHIBIT 1 – SCOPE OF SERVICES

PROJECT DESCRIPTION

The project is to reconstruct South Riverside Drive from the end of existing pavement to the southern property line of the proposed Deere and Company facility and to construct Collaboration Place from the current terminus near the Economic Development Core facility to South Riverside Drive. The South Riverside Drive improvements are approximately 1,570 feet and Collaboration Place improvements are approximately 1,860 feet. The project includes on-street bike lanes on Collaboration Place and an off-street shared use path along the west side of South Riverside Drive. The path is to extend north of the project terminus approximately 800 feet along the existing South Riverside Drive. It will not be connected to the existing trail constructed in Phase II of the Research Park. Approximately 800 feet of 12 inch diameter water main will be extended along South Riverside Drive to the southern terminus of the project. Sanitary sewer extensions of approximately 700 total feet for future expansions will be included along the Deere and Company west property line and to the east of the Deere and Company property under South Riverside Drive.

The project will be completed with a single bid package.

Coordination with the Economic Development Administration (EDA) and Iowa Department of Transportation (IDOT) will be required due to funding of the project by both the EDA and an IDOT Revitalize Iowa's Sound Economy (RISE) Grant. It is anticipated the project will be let through a City of Ames local letting.

SCOPE OF SERVICES

We will provide the following services for the project:

Civil Engineering, Land Surveying, Unmanned Aerial Surveying, Traffic Engineering and Transportation Engineering, Wetland Delineation and Subsurface Exploration.

These services will consist of the following tasks:

I. Basic Services of the Consultant

1. Project Management and Coordination

A. Project Meetings

- 1) Kick-off Meeting - The Consultant shall coordinate and lead a project kick-off meeting with appropriate City of Ames and ISU Research Park staff.
- 2) Progress Meetings - The Consultant shall lead monthly, in-person project meetings with City of Ames Staff during the design stage. A maximum of 6 meetings are assumed (April 2019 to September 2019).
- 3) Prepare meeting minutes and documentation of items discussed at project meetings.

B. Bi-Weekly Progress Reporting - The Consultant shall provide progress reporting with action items on a bi-weekly basis throughout the design process.

C. Quality Control - The Consultant will provide on-going quality control throughout the design process.

- D. Coordination
 - 1) The Consultant will coordinate with Deere and Company site development during the preparation of plans and incorporate design information from the development into the project.
 - 2) Coordination with Adjacent Property Owners - The Consultant shall provide notification and coordinate with adjacent properties owners as required. It is anticipated a maximum of 1 meeting with each of the property owners listed below will be required.
 - a) Gary and Katherine May
 - b) Story County Conservation
 - 3) Coordination with the EDA and the IDOT (RISE) for approval of plans and specifications as required.
- 2. 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 and to supplement the existing mapping available from the City.
 - 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 vision, 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. The Consultant shall provide staking for soil boring locations.
 - F. The Consultant shall complete platting of the right-of-way for Collaboration Place. The platting shall include:
 - 1) Right-of-way of Collaboration Place.
 - 2) Six permanent easements for storm sewer outlets and inlets.
 - 3) It is assumed the South Riverside Drive construction can be completed without easements being required from adjacent property owners.
- 3. Conceptual Plan Development
 - A. The Consultant will develop conceptual plans for South Riverside Drive and Collaboration Place. Plan development will be limited to one scenario based upon the South Riverside Drive and Collaboration Place Extension Preliminary Engineering Report. The conceptual plans will include project extents, pedestrian accommodations, roadway geometry, and property owner impacts.
 - B. Deliverables: the Consultant shall develop a roll plot of the concept for review and a memo documenting the design criteria.

4. Preliminary Design and Plans
 - A. The Consultant will perform preliminary design services in the preparation of design plans and specifications depicting the proposed grading, drainage, paving, signing, water main, and utilities located within the proposed right-of-way and other features of the project. The preliminary plans for the project will be approximately 50% complete upon completion of the Preliminary Design. Preliminary Design plans will include the following:
 - 1) Title and General Information (A Sheets)
 - 2) Preliminary Typical Cross Sections (B Sheets)
 - 3) Preliminary Plans and Profiles (D and E Sheets)
 - 4) Reference Ties and Bench Marks (G Sheets)
 - 5) Preliminary Staging (J Sheets)
 - 6) Preliminary Stormwater Drainage Design (M Sheets)
 - 7) Preliminary Pavement Marking and Signage (N Sheets)
 - 8) Water Main (O Sheets)
 - 9) Preliminary Street Lighting Design (P Sheets - by the City of Ames)
 - 10) Preliminary Sanitary Sewer (U Sheets)
 - 11) Preliminary Cross Sections (W, X Sheets)
 - B. An Opinion of Probable Construction Cost will be completed with Preliminary Design.
 - C. Deliverables: Preliminary Plans, Preliminary Opinion of Probable Cost.
5. Subsurface Exploration - Soil Borings (by sub-consultant Allender Butzke Engineers, Inc.)
 - A. Geotechnical Exploration - mobilization with drilling equipment, traffic control, boring locations, utility locations (Iowa One Call), drill 14 borings 10 to 25 feet deep (9 roadway borings, 2 trail borings, 1 culvert boring, 2 sewer/stormwater management borings), laboratory testing (including two each proctor, grain size, and Atterberg limits tests for subgrade soils), engineering analysis, pavement thickness design, and written report.
6. Utility Coordination
 - A. Utility Coordination to be led by City of Ames staff, the Consultant shall support the City by providing plans to be distributed to utility companies in the corridor to discuss impacts to their facilities by the proposed roadway improvements. The anticipated utilities located within the corridor are listed below:
 - 1) CenturyLink
 - 2) Mediacom Communications Corp.
 - 3) Alliant Energy
 - 4) Iowa State University
 - 5) City of Ames - Utility Maintenance (water, sewer, storm)
 - 6) City of Ames - Electric Services
 - 7) Aureon Network Services
 - 8) Xenia Rural Water District
 - B. Meetings with individual utility companies and review of relocations plans are not included but could be provided by an amendment to this agreement.

7. Final Plans and Specifications
 - A. Based upon approved preliminary design, the Consultant shall subsequently proceed with final design, construction drawings, specifications, and an opinion of probable construction cost for the award of a single contract for the construction of the proposed improvements. Final Plans and Specifications to include the following:
 - 1) Title and General Information (A Sheets)
 - 2) Typical Cross Sections (B Sheets)
 - 3) Estimate of Quantities, Estimate Reference Information, Tabulations (C Sheets)
 - 4) Plans and Profiles (D and E Sheets)
 - 5) Erosion Control (EC Sheets)
 - 6) Reference Ties and Bench Marks (G Sheets)
 - 7) Traffic Control and Staging (J Sheets)
 - 8) Intersection Geometrics and Jointing Plans (L Sheets)
 - 9) Stormwater Drainage Design (M Sheets)
 - 10) Pavement Marking and Signage (N Sheets)
 - 11) Water Main (it is anticipated all the existing hydrants on South Riverside Drive will need to be adjusted to new elevations in addition to the new water main extension, the existing hydrants on Collaboration Place will be checked to verify their elevations are appropriate) - (O Sheets)
 - 12) Street Lighting Design and Electrical - (P Sheets - By the City of Ames)
 - 13) Curb Ramp, Sidewalk, and Shared Use Path Plans and Tabulations (S Sheets)
 - 14) Construction Details, Special Grading Areas, Bike Lane Exit Treatments, and Sanitary Sewer (U Sheets)
 - 15) Detailed Cross Sections (W, X, Y Sheets)
 - B. Opinion of Probable Cost
 - C. Deliverables: Final Plans and Specifications, Final Opinion of Probable Cost

8. Permitting
 - A. The Consultant will provide a Wetland and Waters of the United States (WUS) delineation for the project area that was not included in the November 2014 Wetland Delineation and the corresponding Approved Jurisdictional Determination dated March 16th, 2015 (South Riverside Drive south of Collaboration Place was not previously included). If wetlands or WUS are present, the upper boundaries within the project area will be identified and mapped.
 - B. It is anticipated a Nationwide Section 404 permit can be obtained should wetlands be impacted by the project. The Consultant will coordinate with the United States Army Corps of Engineers to obtain clearance under a Section 404 Nationwide Permit. In the event additional studies are required for a regional or individual permit, those shall be considered additional services.
 - C. The consultant shall coordinate with the Iowa Department of Natural Resources (IDNR) for the following permits:
 - 1) IDNR Wastewater Construction Permit
 - 2) IDNR Public Water Supply Construction Permit

9. Bidding

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

II. Construction Services

1. Construction Administration

- A. Construction administration services shall consist of office based services to assist the City in implementing the construction contract for this project. The work tasks to be performed by the Consultant shall include the following:
 - 1) Attend a Pre-Construction meeting after the award of the construction contract for the Contractor, Sub-contractors, Utility Companies and other interested parties.
 - 2) Review Shop drawings, samples, and other pre construction data which the Contractor is required to submit, a maximum of 40 hours of engineering time has been included.
 - 3) Issue necessary interpretations and clarifications of the plans, and in connection therewith, prepare change orders and conduct site visits as required. For budgeting purposes, a maximum of 15 hours of engineering time has been included.
- B. Construction observation (inspection) services are not included.

ADDITIONAL SERVICES

The following are additional services you may require for your project. We can provide these services but they are not part of this proposal at this time.

1. Construction observation (inspection)
2. Preparation of environmental documentation CE/EA/EIS, other than coordination with SHPO and USACE
3. Cultural resources surveys
4. Archaeological investigation beyond the Intensive Phase I Investigation
5. Contaminated soils investigations
6. Subsurface utility investigations
7. Construction survey
8. Intersection improvements design at Collaboration Place and South Riverside Drive other than a standard "T" intersection
9. Roundabout design
10. Traffic signal design
11. Aesthetics
12. Public information meetings and/or exhibit preparation
13. Shared use path connection to the north along South Riverside Drive including a crossing at the creek that travels under South Riverside Drive
14. Reinforced box culvert design.
15. Shared use path connections to existing path
16. Right-of-way acquisition services
17. Electrical Engineering and/or street lighting design including photometric calculation. All electrical improvements are to be designed, quantified, and appropriate bid items and bidding info provided to Shive-Hattery to include with the plans for letting.
18. Meetings other than specifically included within the scope of services
19. Review of shop drawings, product data, and submittals during the construction phase.
20. NPDES Permitting
21. Redesign due to project budget overruns during design, bidding, or construction phases.

EXHIBIT 2 – PROJECT SCHEDULE

Schedule

Notice to Proceed	April 10th, 2019
Surveys and Mapping	April 2019
Conceptual Design	May 2019
USACE Coordination	July – September 2019
Wetland Delineation	May 2019
Preliminary Design	June-July 2019
Utility Coordination	July - August 2019
Final Design	August - September 2019
Permitting	July - September 2019
Letting	October 2019
Construction Administration	Fall 2019 – Fall 2020

Exhibit 3

City of Ames - ISU Research Park Phase IV Road & Utility Improvements Project

Schedule of Fees **STANDARD HOURLY FEE SCHEDULE** Effective January 1, 2019 to December 31, 2019

PROFESSIONAL STAFF:

Grade 1	\$ 88.00
Grade 2	\$106.00
Grade 3	\$119.00
Grade 4	\$133.00
Grade 5	\$146.00
Grade 6	\$159.00
Grade 7	\$173.00
Grade 8	\$190.00
Grade 9	\$207.00

TECHNICAL STAFF:

Grade 1	\$ 61.00
Grade 2	\$ 76.00
Grade 3	\$ 85.00
Grade 4	\$ 93.00
Grade 5	\$106.00
Grade 6	\$119.00
Grade 7	\$133.00

ADMIN STAFF: \$ 60.00

SURVEY STAFF:

One Person	\$126.00
Two Person	\$193.00
Drone Surveyor (Video or Photogrammetry)	\$155.00
Drone Surveyor (Thermography)	\$310.00
Scanning Surveyor	\$155.00
Surveyor with Two Scanners	\$210.00

REIMBURSABLE EXPENSES:

TRAVEL

Mileage- Car/Truck	\$0.58/ Mile
Mileage- Survey Trucks	\$0.68/ Mile
Lodging, Meals	Cost + 10%
Airfare	Cost + 10%
Car Rental	Cost + 10%

OUTSIDE SERVICES

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

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

Color Prints:

Letter Size	\$ 1.00
Legal Size	\$ 2.00

Exhibit 4 - Estimated Professional Services Milestone Breakdown

City of Ames - ISU Research Park Phase IV Road & Utility Improvements Project

Based on Exhibit 1 - Scope of Services

Task	Description	Total Hours	Subconsultants	Total Fee
1	Surveys and Mapping (11%)	215		\$ 32,693
2	Conceptual Plan Development (7%)	175		\$ 20,045
3	Preliminary Design and Plans (40%)	918	\$16,225	\$ 116,263
4	Final Plans and Specifications (37%)	1062		\$ 110,018
5	Bidding (2%)	40		\$ 4,328
6	Construction Administration (3%)	70		\$ 8,573
			Total Fee	\$ 291,920