



Roll Call Number

20-0734

Agenda Item Number

9

Date May 4, 2020

APPROVING SUPPLEMENTAL AGREEMENT NO. 1 TO THE PROFESSIONAL SERVICES AGREEMENT (PSA) WITH KIRKHAM MICHAEL & ASSOCIATES, INC. FOR ADDITIONAL DESIGN AND CONSTRUCTION PHASE SERVICES FOR INGERSOLL AVENUE STREETScape – 31st STREET TO MARTIN LUTHER KING (MLK) JR. PARKWAY, NOT TO EXCEED \$450,000

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That Supplemental Agreement No. 1 between the City of Des Moines and Kirkham Michael & Associates, Inc., Michael S. Olson, P.E., President, 12700 West Dodge Road, Omaha, Nebraska, 68154, for an additional amount not to exceed \$450,000, based on hourly rates, to provide additional design and construction phase services for Ingersoll Avenue Streetscape – 31st Street to MLK Jr. Parkway, a copy of which is on file in the office of the City Clerk, is hereby approved as to form and content.

BE IT FURTHER RESOLVED: That the Mayor and City Clerk are hereby authorized and directed to execute and attest, respectively, said Supplemental Agreement No. 1 for and on behalf of the City of Des Moines, Iowa.

(Council Letter Number 20-203 attached) Activity ID 01-2019-006

Moved by Gatto to adopt.

FORM APPROVED: /s/ Kathleen Vanderpool Deputy City Attorney

SLN Funding Source: 2019-2020 CIP, Ingersoll Streetscape, Page Street-15, ST276, TIF

Table with 5 columns: COUNCIL ACTION, YEAS, NAYS, PASS, ABSENT. Rows include COWNIE, BOESEN, GATTO, GRAY, MANDELBAUM, VOSS, WESTERGAARD, and TOTAL (7 yeas).

CERTIFICATE I, P. Kay Cmelik, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted. IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

J.M. Franklin Cownie Mayor

P. Kay Cmelik City Clerk

**CITY OF DES MOINES
SUPPLEMENTAL AGREEMENT NO. 1
TO AGREEMENT FOR PROFESSIONAL SERVICES
INGERSOLL AVENUE STREETScape (31st STREET - MLK JR. PARKWAY)
Activity ID 01-2019-006**

WHEREAS, on January 14, 2019, by Roll Call No. 19-0016, the City of Des Moines, Iowa, hereinafter referred to as the "City", and Kirkham Michael & Associates, Inc., Michael S. Olson, P.E., President, 12700 West Dodge Road, Omaha, NE, hereinafter referred to as the "Consultant", entered into a Professional Services Agreement (the Agreement) in connection with the Ingersoll Avenue Streetscape (31st Street to MLK Jr. Parkway) Preliminary Design and Phase 1 Final Design, not to exceed \$525,000; and

WHEREAS, the City staff has negotiated a Supplemental Agreement No. 1 for additional professional services with the Consultant for final design, letting, construction administration and construction inspection services for Ingersoll Avenue Streetscape (31st Street to MLK Jr. Parkway) Phase 2 Final Design; and

NOW, THEREFORE, IT IS MUTUALLY AGREED, that the Agreement for Professional Services, Ingersoll Avenue Streetscape (31st Street to MLK Jr. Parkway) is amended as follows:

SECTION 2 - SCOPE OF SERVICES, Paragraph A, SERVICES PROVIDED BY CONSULTANT, is amended by adding the following:

"Consultant shall provide additional final design, construction administration and construction inspection services as set forth in Attachment 1 to this Supplemental Agreement."

SECTION 3 - COMPENSATION, Paragraph A, is amended by adding the following:

"Compensation for services under this Supplemental Agreement shall be in accordance with the terms of said original Professional Services Agreement for an additional not-to-exceed amount of \$450,000.00, to be paid on the basis of hourly labor rates and reimbursable costs as shown in Attachment 2 to this Supplemental Agreement."

SECTION 4 - COMPLETION OF WORK, is amended by adding the following:

"The Consultant shall complete all services outlined in Supplemental Agreement No. 1 on or before July 31, 2022, providing no unforeseen delays are experienced beyond the control of the Consultant."

BE IT FURTHER AGREED, that all other terms and conditions of the original January 14, 2019 Agreement shall remain in full effect except as modified by this Supplemental Agreement No. 1.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement, in triplicate, as of this 4th day of May, 2020.

CITY OF DES MOINES, IOWA



T.M. Franklin Cownie, Mayor

KIRKHAM MICHAEL & ASSOCIATES



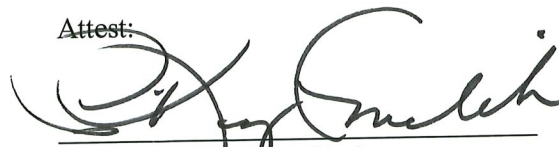
Michael S. Olson, President

 Form Approved:



Kathleen Vanderpool, Deputy City Attorney

Attest:



P. Kay Cmelik, City Clerk

**ATTACHMENT 1
SCOPE OF SERVICES
FOR
CITY OF DES MOINES
AGREEMENT FOR PROFESSIONAL SERVICES
INGERSOLL STREETScape – PHASE 2 DESIGN AND
CONSTRUCTION PHASE SERVICES FOR PHASE 1
Activity ID 01-2019-006**

The Scope of Services to be performed by the **CONSULTANT** shall include the services and supplies to complete the following tasks:

Project Objective: Bury Overhead Utilities, Complete Streetscaping Construction

1. Final Design of Phase 2 (North Half of Ingersoll from 28th St. to 24th St.) including 90% and 100% Plan Design Development
2. Construction Phase Services for Phase 1 (North half of Ingersoll from 24th St. to MLK Jr. Pkwy.)

The **CONSULTANT** shall: Perform Contract Management, Project Coordination, Survey Services, Plan Design Development, Letting Phase Services, and Construction Phase Services as described below.

CONTRACT MANAGEMENT

A. Monitoring Project Schedule

The **CONSULTANT** shall prepare and submit monthly email updates (1-page), outlining the following activities during the reporting period: activities planned for the following month, problems encountered and recommended solutions, and overall project status. If design work is not progressing in a manner to comply with the anticipated completion date, the **CONSULTANT** shall provide a brief summary of the actions to be taken to reduce or eliminate any delays in completing the design in accordance with the agreed upon schedule. The monthly update shall include a list of requested information from the **CITY** with a desired response date noted to avoid delay of the **CONSULTANT**'s services.

B. Monitoring Project Scope

The **CONSULTANT** shall provide task identification, scheduling, task assignment, relating all tasks to the others, and coordination with all entities associated with the project. The **CONSULTANT** shall inform the **CITY** of any services required which may not be included in the scope of services contract approved by the **CITY** for this project. It shall be the responsibility of the **CONSULTANT** to make the **CITY** aware of any potential amendments to the contract before the services are rendered. This notice shall occur prior to any extra services being performed. Only those services approved by the **CITY** shall be eligible for compensation.

C. Quality Control Plan

The **CONSULTANT** shall establish review and checking procedures for project deliverables and designate responsibility for implementation of the plan.

D. Invoice Processing and Review

The **CONSULTANT** shall create, process, and review invoices to ensure they meet **CITY** standards and all necessary information is included. Coordinate with **CITY** staff, as necessary, and answer any questions. The **CONSULTANT** shall verify percent work complete on project is in line with percent billed including all other general project administration necessary to complete the project.

PROJECT COORDINATION

A. Project Review Meetings

The **CONSULTANT** shall meet with the **CITY** or its designated representative to review progress and to

discuss specific elements of the project design. The meetings shall serve to establish schedules, develop project goals, establish design parameters, promote a dialog between the various entities, improve the decision-making process, and expedite design development. The **CONSULTANT** shall document and distribute minutes for all meetings.

The following meetings are included with the scope of work:

1. Monthly Meetings
2. Check Design (90% level)

B. Utility Coordination

The **CONSULTANT** shall contact Iowa One Call through the Design Request System to obtain locations of underground utility facilities within the project limits. The **CONSULTANT** shall contact the owners/operators of the underground utility facilities within the project limits to obtain information on the facilities and establish coordinates and elevations (if possible) for utilities that fall within the limits of the project.

The **CONSULTANT** shall field locate visible valves and utility access within the project limits to accurately account for adjustment and/or replacement. Underground utilities shall be incorporated into the project through map requests to the utility companies and drawn into the design file. This work shall be considered survey quality level "B", per CI/ASCE 38-02. Utilities include phone, gas, fiber optic, water main, overhead/underground electrical, sanitary sewer, storm sewer, and in-pavement traffic control equipment (including power poles, pedestals, valves and manholes).

At a minimum, the **CONSULTANT** shall meet with utilities to advise the nature and extent of the proposed improvements and any potential conflicts during the Check Plans (90%) phase. It is anticipated that there will be Two (2) meetings with representatives of the various utility companies. The **CONSULTANT** shall distribute Final Plans to all potentially impacted utilities. The **CONSULTANT** shall keep a record log of all communications and correspondence with each utility company and provide the record log to the City prior to preconstruction conference.

The **CONSULTANT** shall coordinate water main replacement within the project limits with Des Moines Water Works (DMWW) and incorporate water main plans provided by DMWW in preliminary and final plans.

In the event of a potential conflict, the **CONSULTANT** shall obtain pot holes to verify the elevation of the existing utility in conflict. The **CONSULTANT** shall obtain critical locations using hydro-excavating (potholing). Traffic control and survey will be required to facilitate this task. The Scope includes Fifteen (15) pot hole locations to determine utility location that meets quality level "A", per CI/ASCE 38-02.

C. Sanitary Sewer Services

In the event of a potential conflict, the **CONSULTANT** shall obtain the location and elevation of sanitary sewer services. The **CITY** shall provide television reports for existing sanitary sewer mains.

D. Public Transit Coordination

The **CONSULTANT** shall attend meetings with Des Moines Area Regional Transit (DART) to address specific design development elements, prepare minutes of meetings, and keep documentation of other communications. It is anticipated that there will be one (1) meeting with representatives of DART. The first meeting shall be to review the conceptual design elements in preparation for preliminary design, and the second meeting shall be a final design review and coordination meeting.

E. Project Funding Applications

The **CONSULTANT** shall assist the **CITY** in preparation of the required documents for the following project funding applications. The specific funding sources include the following:

1. None Anticipated

F. Project Permitting

The **CONSULTANT** shall prepare and submit applications for permits from governmental authorities that have jurisdiction to approve the design of the project and participate in consultations with such authorities, as necessary. The Consultant shall prepare the following documents for the project, if necessary:

1. Iowa Department of Natural Resources (DNR) Sewer Construction Permit

Any fees for construction permits, licenses, or other costs associated with permits and approvals shall be paid by the **CITY**. The **CONSULTANT** shall provide technical criteria, written descriptions and design data for the **CITY'S** use in filing the applications for permits. The **CONSULTANT** shall prepare the permit applications and other documentation.

G. Public Participation and Involvement

The **CONSULTANT** shall develop a public participation and involvement Plan to be implemented and utilized throughout the design and construction of the project. The plan shall include public notices, one-on-one meetings and public meetings.

1. Property Owner Coordination – Public Notices

The following Public Notices are anticipated as part of this project:

- i. Public Meeting invitation letters
- ii. Incidental letters (e.g., tree removals, project schedule update)

The **CITY** shall provide the **CONSULTANT** templates for all letters, mailing address lists, and envelopes. The **CONSULTANT** shall prepare and mail all letters to Property Owners. Property Owners will be encouraged to respond directly to the **CITY** with comments and concerns. The **CONSULTANT** shall assist in tracking public comments and incorporate suggestions into the project, as appropriate.

2. Property Owner Coordination – Public Meetings

The **CONSULTANT** shall attend Two (2) public informational meetings. The purpose of the meeting(s) shall be to provide an overview of the proposed improvements and potential impacts to surrounding properties. The **CONSULTANT** shall gather information from property owners, businesses, and stakeholders regarding project concerns, specific issues, and priorities. The **CONSULTANT** shall provide the following services:

- i. Participation in one (1) pre-planning meeting approximately one week prior to the public meeting.
- ii. Preparation of necessary maps showing the proposed improvements.
- iii. Preparation of a Project Fact Sheet (for attendees to take)
- iv. Attendance at and participation in public meeting.

3. One-on-One Meetings

The **CONSULTANT** recognizes that several stakeholders will be involved in this project. The **CONSULTANT** shall contact stakeholders to identify and address their concerns. Due to the potential impacts to landscaping elements and property access, one-on-one meetings with affected parties shall be anticipated outside of the public meeting(s) and may include on-site meetings, phone calls, and emails. The **CONSULTANT** shall document all correspondence with stakeholders and provide monthly updates to the **CITY** or as issues arise. It is anticipated the list of stakeholders will include, but is not be limited to the following businesses and residents:

- i. 2204 Ingersoll
- ii. 2510-2500 Ingersoll
- iii. 2605-2617 Ingersoll
- iv. 2709-2723 Ingersoll
- v. 2716-2724 Ingersoll

The **CONSULTANT** shall provide 40 hours for one-on-one meetings. If additional hours are required, the **CONSULTANT** shall submit a request for an agreement amendment.

SURVEY SERVICES

A. Survey Control

The **CONSULTANT** shall use the following survey control for services under this Agreement:

1. Horizontal Control – State Coordinate System
2. Vertical Control – City of Des Moines Vertical Datum
3. U.S. Survey Feet

B. Boundary Retracement Survey

The **CONSULTANT** shall provide Boundary Retracement Survey in accordance with the Iowa Code and City of Des Moines standards for the services noted below. The **CONSULTANT** shall:

1. Provide a certified section Corner Certificate Drawing(s) showing the section corners that were established or that differs from existing recorded Corner Certificate(s) that were encountered during the field survey, if applicable.
2. Set missing monuments at the corners of the boundary as indicated on the survey drawing in accordance with State and City requirements.
3. Record the results of the Boundary Retracement Survey(s) with the County Recorder's Office.

C. Easement Plats

The **CONSULTANT** shall provide a dgn linework drawing representing necessary easements for the project. The **CITY** shall provide Easement Plats in accordance with the Iowa Code and City of Des Moines standards. The **CITY** shall provide a certified drawing at a suitable scale depicting existing right-of-way, existing recorded easements, and need(s) of the proposed easements. The Easement Plats shall be provided to the **CITY** for review and for the recording of the Easement Plats at the County Recorder's Office.

D. Individual Parcel Exhibits

The **CONSULTANT** shall prepare individual property acquisition exhibits (8.5-in by 11-in) for each parcel which will consist of aerial imagery and show the proposed roadway design elements, driveway access, and site modifications; in addition to existing right-of-way lines, proposed fee title right-of-way needs and permanent/temporary easement needs. The exhibits shall be labeled with key parcel information and reference individual easement square footage areas. The exhibits shall be used for initial right-of-way discussions and verification in advance of the preparation of acquisition plats. For budgetary purposes, it is assumed that 45 parcel exhibits are within the project limits.

PLAN DESIGN DEVELOPMENT

A. Design Sheet Criteria

All plan sheets shall include the project Activity ID and Plan File Number. The **CITY** shall provide the **CONSULTANT** with a standard border and Title Sheet. The following Sheet Numbering System should generally be followed for this project:

A.01	Title Sheet – to include: Project Title “Location-From-To-Description of Work”; Activity ID; Bid Date; location map; index of sheets; City of Des Moines Signature Block; Name, logo and phone number of engineering consultant; engineer's certification block(s); Iowa One Call logo; Utility Contacts; Total Number of Sheets
A.02	Symbol Legend
B-Sheets	Typical Cross Sections and Details
C-Sheets	Estimated Quantities, Tabulations, and General Notes
D.01 to D.X	Existing Conditions and Removals
D.X to D.X	Mainline Plan and Profile
E-Sheets	Side Street Plan and Profile
G-Sheets	Survey Sheets (including alignment coordinates, reference ties, benchmarks, and control)
H-Sheets	Right-of-Way Sheets
J-Sheets	Temporary Traffic Control, Staging, and Detours

K-Sheets	Pavement Markings and Signage Plan
L-Sheets	Geometric Details and Jointing Plan
M-Sheets	Storm Sewer and Sanitary Sewer Plan and Profile Sheets
N-Sheets	Traffic Signal Sheets
P-Sheets	Lighting Layout Sheets
O-Sheets	Water Main Plan and Profile Sheets
S-Sheets	Sidewalk Sheets (includes compliance tables)
U-Sheets	Special Details (unique to project and/or revised standard details)
V-Sheets	Bridge and Culvert Situation
W-Sheets	Mainline Cross Sections
X-Sheets	Side Street Cross Sections

Page numbers may be modified, as necessary, to conform to Iowa DOT and/or SUDAS standards.

B. Check Plans (90%)

After review of the 60% Preliminary Plans and upon authorization from the **CITY**, the **CONSULTANT** shall proceed with the development of Check Plans. Upon completion, the design plans shall be approximately 90% complete. It is assumed that no geometric revisions to the roadway design will occur after the start of the development of the check plans. The submittal of Check Plans shall be completed on or before the date outlined in the anticipated schedule below

Check Plans shall be completed in preparation of the letting. The criteria to be addressed shall include items listed on the Check Plans (90%) Checklist. Plan set shall be biddable with only minor changes expected after this submittal.

1. Incorporate Comments from Preliminary Plan Review and Field Exam

The **CONSULTANT** shall respond to comments resulting from **CITY** Preliminary Plan (60%) Review and Field Exam. Recommended modifications will be incorporated into the plan set.

2. Draft Special Provisions

The **CONSULTANT** shall submit any draft special provisions for the project.

3. Opinion of Probable Construction Cost

The **CONSULTANT** shall prepare an opinion of probable construction cost for the projects. The cost estimates shall be based on representative major project elements and recent bid information. The **CONSULTANT** shall budget and review bid items and quantities for associated with the project.

4. Deliverables

- i. Electronic set of 90% plans*
- ii. Electronic copy of City 60% design comments and how each comment was addressed*
- iii. Opinion of Probable Construction Costs*
- iv. Draft Special Provisions*
- v. Check Plans (90%) Checklist*

C. Final Plans (100%)

After review of the Check Plans and upon authorization from the **CITY**, the **CONSULTANT** shall proceed with the development of Final Plans for the project. Upon completion, the design plans shall be 100% complete. The submittal of final plans shall be completed on or before the date outlined in the anticipated schedule below.

1. Incorporate Comments from Check Plan Review

The **CONSULTANT** shall respond to comments resulting from the Check Plan Review. Recommended modifications shall be incorporated into the final plan set.

2. Final Special Provisions

The **CONSULTANT** shall submit final special provisions incorporating any comments resulting from the Check Plan Review.

3. **Opinion of Probable Construction Cost**

The **CONSULTANT** shall prepare an opinion of probable construction cost for the project. The final cost opinion shall include all project elements. The published cost opinion should be rounded to the nearest \$1,000.

4. **Deliverables**

- i. *Complete set of Final Plans, in PDF format*
- ii. *Signed, sealed, and dated cover sheet, hardcopy*
- iii. *Final quantities and cost estimate, in Excel format*
- iv. *Special Provisions, in Word format*
- v. *All CADD drawings, in Microstation format with Iowa DOT symbology*
- vi. *Approved permits necessary for the project*

LETTING PHASE SERVICES

The work tasks to be performed or coordinated by the **CONSULTANT** during the Bid Period Services are based upon one bid letting and shall include the following:

A. Plan Clarification and Addenda

The bid letting shall be administered by the **CITY**. The **CONSULTANT** shall assist the **CITY** during the bid periods in answering questions regarding the design intent. The **CONSULTANT** shall address questions presented by the **CITY** and prepare addendum for distribution by the **CITY**, if required.

CONSTRUCTION PHASE SERVICES

A. CONSTRUCTION ADMINISTRATION

The items described below are the major tasks to complete the construction phase and inspection services and are not intended to include all items of work. The **CONSULTANT** shall be responsible to complete construction phase and inspection work necessary to ensure the Project is constructed in accordance with the approved Plans and Specifications:

1. **Pre-Construction Conference:** The **CONSULTANT** shall attend/participate in a pre-construction conference with the Contractor, **CITY**, utility companies, affected entities and all interested parties to review the contract requirements, details of construction, utility conflicts and work schedule. Meeting minutes shall be prepared and distributed by the **CONSULTANT**.
2. **Construction Meetings:** The **CONSULTANT** shall coordinate and conduct construction progress meetings with the Contractor, **CITY**, other engineering consultants, and all interested parties to review the contract requirements, details of construction, utility conflicts and work schedule.
3. **Shop Drawings -** The **CONSULTANT** shall review the Contractor's shop drawings, samples, and other required data for compliance with the contract documents. The **CONSULTANT** shall evaluate and determine the acceptability of substitute materials and equipment proposed by the Contractor, and make a recommendation to the **CITY** regarding acceptance for the **CITY**'s approval. The **CONSULTANT** shall have the authority to recommend special inspection or testing of the work be conducted.
4. **Design Interpretation Questions:** The **CONSULTANT** shall provide answer to design interpretation questions from Engineer, Contractor, review agencies and utilities.
5. **Contractor Payment Requests -** The **CONSULTANT** shall assist the **CITY** with the preparation of progress payment applications submitted by the Contractor and, based upon its review of construction progress by on-site observation and shall make a recommendation to the Engineer for payment of the appropriate amount for work completed since the last payment application. Prior to the preparation of a

payment application, the **CONSULTANT** shall review material testing and certifications on the project and only recommend payment for items that have acceptable material documentation on file.

6. Change Orders - The **CONSULTANT** shall assist the **CITY** with the preparation of change orders and make recommendation regarding approval to the **CITY** prior to Contractor's start of work under the change order.

7. Project Status - During the Construction Services Phase, the **CONSULTANT** shall confer with the **CITY** to report project status. The **CONSULTANT** shall provide, on a monthly basis, a written summary of the work completed during the prior work period and major work items scheduled to be completed during the next month.

8. Substantial Completion – The **CONSULTANT** shall perform a site observation to determine if the Project is substantially complete in accordance with the plans and specifications and prepare a punch list of items to be completed prior to final completion and acceptance.

9. Final Inspection and Punch List; Final Acceptance - The **CONSULTANT** shall coordinate final inspection with the Contractor and **CITY**. On the basis of such inspection, the **CONSULTANT** shall make a recommendation to the **CITY** regarding final payment and acceptance of the Project. It is understood that the **CITY** will accept the Project only after recommendation by the **CONSULTANT**.

10. As-built Plans – After construction work has been completed, the **CONSULTANT** shall submit plan mark-ups to the **CITY** which include notable changes to the project which were incorporated over the course of construction. Notable changes include type, size, and location of construction elements that vary from the contract documents. The **CITY** shall develop the as-built plan using mark-ups and input from the **CONSULTANT**.

B. CONSTRUCTION INSPECTION

1. The **CONSULTANT** shall provide a full-time onsite inspector for the Project to ascertain the progress and quality of the work completed and to determine if the work is being performed in accordance with the Contract Documents. The **CONSULTANT** shall document construction activities in a daily report, bid item quantity logs, reports, and other forms as required to provide a complete and thorough record of the construction activities.

The **CONSULTANT** shall include in the daily diary at a minimum the following records:

- Contractor's hours on the job site.
- Weather conditions.
- Information and data relative to questions of change orders or change conditions.
- List of job site visitors.
- Daily activities, decisions, and observations.

The inspector shall conduct required on-site sampling and testing, make measurements of completed work in accordance with the method of measurement requirements of the Contract Documents, and record said measurements on a daily basis. The inspector shall verify that all materials incorporated into the project have required certifications, tests and/or approvals, and that said materials conform to the requirements of Contract Documents to guard the **CITY** against defects and deficiencies in the work.

3. If the Contractor requests a waiver of any provisions of the plans and specifications, the **CONSULTANT** shall make a recommendation on the request to the **CITY** for its determination. No waiver shall be granted if such waiver would serve to reduce the quality of the final product. The **CITY** shall never be deemed to have authorized the **CONSULTANT** to consent to the use of defective workmanship or materials.

4. The **CONSULTANT** shall coordinate the acceptance testing and monitoring according to the specifications. The **CONSULTANT** shall perform on-site concrete testing and the **CITY** shall pick up and break concrete samples. On-site soil density testing shall be performed by the **CITY**.

5. Notification of Nonconformance - On the basis of on-site observations and inspection as a design professional, the **CONSULTANT** shall keep the **CITY** informed of the progress and quality of the Work and shall guard the **CITY** against defects and deficiencies in the Work. The **CONSULTANT** shall notify the **CITY** of any work which is unsatisfactory, faulty, defective, incomplete or does not conform to the Contract Documents, advise and recommend action required to correct or complete such unsatisfactory, faulty, defective or incomplete work and, at the request of the **CITY**, see that these recommendations are implemented by the Contractor.

ANTICIPATED SCHEDULE

A. Anticipated Deadlines for Project Milestones

1. Phase 1 Commence Construction: April 2020
2. Phase 1 Complete Construction: June 2021
3. Phase 2 ROW/easement acquisition identification: September 2020
4. Phase 2 check plans (90%) submittal: November 2020
5. Phase 2 final plans (100%) submittal: December 2020
6. Phase 2 bid letting: January 2021
7. Phase 2 contract award: February 2021
8. Phase 2 commence construction: April 2021

ATTACHMENT 2**Kirkham Michael (Iowa) 2020 Billing Rate Schedule by Classification**

KM Classification	2020 Billing Rate
Principal / Operations Manager	\$195.00
Engineering Manager	\$185.00
Principal Engineer	\$175.00
Senior Scientist / NEPA Specialist	\$155.00
Senior Engineer	\$145.00
Associate Engineer	\$135.00
Engineering Intern 1	\$105.00
Engineering Intern 2	\$115.00
Engineering Intern 3	\$125.00
Design Manager	\$140.00
Design Technician	\$90.00
CADD Technician	\$85.00
Licensed Surveyor	\$200.00
Senior Project Surveyor	\$130.00
Project Surveyor	\$115.00
Survey Crew Chief	\$105.00
Construction Engineer	\$145.00
Construction Manager	\$115.00
Senior Construction Observer	\$95.00
Assistant Construction Observer / Technician	\$85.00
Administrative	\$80.00