CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

ITEM: **DATE: October 3, 2016**

Resolution - Approving Professional Services Agreement
Public Safety Station 18 HVAC Improvements – Commissioning
System Works, LLC

FINANCIAL IMPACT:

The cost of the Professional Services Agreement associated with the commissioning and testing/balancing of the HVAC system for Public Safety Station 18 (5025 Grand Avenue) is anticipated not to exceed $25,740.00 for Basic Services and $11,250.00 for Resident Consultant Services. 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 budgeted account no. 500.000.000.5250.495 with the ultimate funding intended to come from General Obligation Bonds.

BACKGROUND:

Approval of this action authorizes System Works, LLC to perform commissioning services and testing/balancing in conjunction with the design and construction activities for replacement and upgrades to the HVAC systems for Public Safety Station 18. HVAC commissioning is a quality-focused process that involves the verification that all systems achieve the owner's project requirements as intended by the building owner and as designed by the engineer.

The Engineering Services Department retains professional consultants based on their past work experience, qualifications of their staff, familiarity with the project, manpower availability, and past consultant evaluation. 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.

Lead Staff Member: Duane C. Wittstock, P.E., L.S.

STAFF REVIEWS

Department Director	Duane C. Wittstock, 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 Works		
Date Reviewed	September 26, 2016		
Recommendation	Yes	No	Split

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Resolution Approving Professional Services Agreement

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

Public Safety Station 18 HVAC Improvements – Commissioning
Project No. 0510-057-2015

and,

WHEREAS, to verify that all of the HVAC systems achieve the owner's project requirements as intended by the building owner and as designed by the engineer for the public improvement, an independent commissioning and testing agent is required; and,

WHEREAS, the Engineering Services Department staff have recommended that the commissioning and testing/balancing services be provided by System Works, LLC; and,

WHEREAS, the Engineering Services Department has obtained a written proposal from System Works, LLC, to perform the work requested for Public Safety Station 18, which estimates the following cost to the City of West Des Moines;

Basic Services of the Consultant	**$25,740.00**
Resident Services of the Consultant	**$11,250.00**
TOTAL	**$36,990.00**

Therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA, that System Works, LLC is hereby directed to perform the work for the above named public improvement project.

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

PASSED AND APPROVED this **3rd** day of **October, 2016.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES

This Agreement is made and entered into this _____ day of _____, 2016, by and between the CITY OF WEST DES MOINES, a municipal corporation, hereinafter referred to as "City", and SystemWorks LLC, (Fed. I.D. #86-1070223), 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 Public Safety Station 18 HVAC Improvements – Commissioning (Project No. 0510-057-2015) 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 $25,740.00
      II. Resident Consultant Services $11,250.00

   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: System Works LLC
Attn: Garry Caldbeck, Principal
Address: 409 Fifth Street
City, State: West Des Moines, IA 50265

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 race, color, sex, national origin, religion, age, handicap, 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 race, color, sex, or national origin, religion, age, handicap, 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.

CONSULTANT

BY: Garry Caldbeck

Garry Caldbeck, Principal

CITY OF WEST DES MOINES

BY: _____

Ryan T. Jacobson, City Clerk

ATTACHMENT 1

SCOPE OF SERVICES – PUBLIC SAFETY STATION 18
HVAC System Commissioning & Test and Balance

SYSTEMS TO BE COMMISSIONED

HVAC Systems / Controls

- HVAC Systems
  - Roof Top Units RTU-1 and RTU-2
  - Supply Air Terminals / With Hot Water Reheat
  - Exhaust Air Terminals
  - Boilers and Pumps
  - Hot Water Cabinet Unit Heaters & Unit Heaters
  - Hot Water Radiant Panels
  - Dehumidification Unit DUH-1

- Verification of BAS Control System Features (Graphics, Trending, Alarming, Operations, etc.)

Systems not included in SystemWorks Scope at this time.

- Lighting & Daylighting Controls
- Electrical Systems
- Fire Alarm and Fire / Smoke Dampers
- Duct Leakage Testing

COMMISSIONING CLARIFICATIONS

- SystemWorks will require assistance from the control contractor's technician testing sequences as needed.
- SystemWorks has not included time for other trades (mechanical, controls, etc.)
- Time has not been included for re-testing and confirmation of corrective action items.
- Design responsibility remains with the engineer of record.

DESIGN PHASE SCOPE

- SystemWorks will conduct and document the following commissioning design reviews:
  - Construction Document Review (95% CDs)
  - Back-Check Design Review (95% CDs)

  These reviews will reference alignment with the owner's requirements, review the proposed systems design for function and completeness, and verify training requirements are included. SystemWorks will document and provide concerns, issues and suggestions to the design team and owner, and meet with the team as required. We ask that the design team respond to each review comment.

- Prepare and provide commissioning specifications to A/E for inclusion in the construction documents.

CONSTRUCTION PHASE SCOPE

- Develop Pre-Functional "Construction Checklist" forms. These forms will be submitted to the GC/CM, completed by the appropriate installing contractor and reviewed by SystemWorks. These checklists will serve as an equipment checkoff to signify the beginning of commissioning.
- Lead and document a Commissioning Kickoff Meeting with the contractors.
    - Review the Commissioning Requirements
    - Distribute Construction Checklists
- SystemWorks will review and provide written comments to the owner and A/E on the contractor submittals relative to systems being commissioned.
- Develop Functional Performance Testing Check Off Forms - SystemWorks will generate test procedures as required to verify functional performance and correct sequence of operation of the commissioned systems.
- Site Visits - SystemWorks will visit the site two (2) times during construction prior to function testing to review and observe the mechanical systems installation.
    - Emphasis will be placed on mechanical system installation details to identify potential issues during construction before installation is complete, systems are covered or filled.
    - SystemWorks will witness System Flushing or Equipment Start-Ups at discretion during site visits.
    - Site visits will be documented with a report sent to the owner, design and construction teams.

FIELD TESTING PHASE SCOPE

SystemWorks will verify that the building's energy related systems are installed, calibrated and perform according to the owner's requirements, control sequences and construction documents (CDs).

- Perform functional testing. SystemWorks will:
    - Coordinate testing with the associated contractors once start-up and TAB is complete
    - Review system installation compared with plans and approved drawings
    - Step through the controls programming to verify sequences of operation
    - Simulate alarm and failure conditions
    - Sample verification of sensor calibration and point to point mapping
    - Utilize our own NIST certified test equipment as needed during testing
- Test and Balance - Field review and verify a sampling of the TAB report data.
- Generate and utilize an Issue Log (Deficiency Report and Resolution Record) to track deficiencies and verify corrections are accomplished. This document will be continually updated.

ACCEPTANCE PHASE SCOPE

- Final Commissioning Report:
    - Executive Summary with the list of participants and roles, project description, overview of commissioning scope and a description of the testing and verification methods.
    - Recommendations for any improvements to equipment or operations.
    - Functional performance status including observations or conclusions from testing of the equipment.
    - Completed functional testing forms.
    - Completed Issue Log
    - One electronic copy will be provided to the owner

TEST AND BALANCE SERVICES

SYSTEMS TO BE BALANCED

- HVAC Systems and Equipment
  - Roof Top Units RTU-1 and RTU-2
  - Supply Air Terminals / With Hot Water Reheat
  - Exhaust Air Terminals
  - Boilers and Pumps
  - Hot Water Cabinet Unit Heaters & Unit Heaters
  - Hot Water Radiant Panels
  - Dehumidification Unit DUH-1

TESTING AND BALANCING SCOPE

SystemWorks' TAB Team will perform the test and balance services as required on the HVAC equipment. SystemWorks will provide a certified testing and balancing report upon completion as required by the project specification. This fee does not include the cost of repairing equipment, providing or installing balancing dampers, electrical or control work, sheaves/sheave changes, high lifts, bonds, and off normal working hours. All equipment is kept calibrated and is NIST traceable.

Our group of Certified TABB technicians and supervisors will set up 100% of the mechanical equipment. This includes setup of both air and water system requirements. SystemWorks will provide a TABB Certified balancing report upon completion. All equipment is calibrated and NIST traceable. Our team is very particular about flushing out any performance or operational concerns. We identify any shortcomings for the Commissioning Team to review with the Design Team for resolution.

- Providing both services ensures the IECC 2012 requirements are met, and that an independent third-party has touched 100% of the equipment. SystemWorks' TAB team is trained to not only proportion the systems for proper balance but to also take the extra step and verify function, labeling and sensor locations. Any discrepancies found are provided to the commissioning team leader for review, identification and resolution tracking.

ATTACHMENT 2

PROJECT SCHEDULE

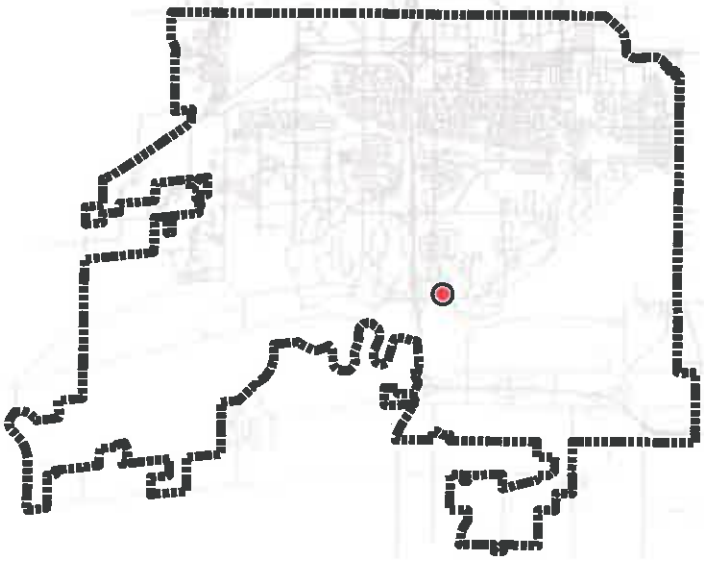
System Works will incorporate our commissioning services within the master schedule as determined by the Engineer and Contractor.

ATTACHMENT 3

SCHEDULE OF FEES

Services of Consultant:
System Works will provide labor at an hourly rate of $125 per person for the scope of services set forth in Attachment 1.

VICINITY MAP



LEGEND

PROJECT LOCATIONS

N
W E
S

THE CITY OF WEST DES MOINES

PROJECT: **Fire Station 18 HVAC Improvements (0510-057-2015)**

LOCATION: **South 50th Street & Grand Avenue**

DRAWN BY: JDR	DATE: 8-12-2016	SHT. 1 of 1