City of Grand Island

Tuesday, June 26, 2018

Council Session

Item G-25

#2018-192 - Approving Amendment No. 11 to the Agreement for Professional Engineering Services entitled "Wastewater Treatment Plant and Collection System Rehabilitation" with Black & Veatch

Staff Contact: John Collins, P.E. - Public Works Director

Council Agenda Memo

From: Keith Kurz PE, Assistant Public Works Director

Meeting: June 26, 2018

Subject: Approving Amendment No. 11 to the Agreement for Professional Engineering Services entitled "Wastewater Treatment Plant and Collection System Rehabilitation" with Black & Veatch

Presenter(s): John Collins PE, Public Works Director

Background

On October 11, 2011 City Council approved, by Resolution No. 2011-307 in the amount of $1,121,160.00, the initial agreement with Black & Veatch for project management, collection system master planning and conceptual designs for the Northeast Interceptor sewer, Collection System rehabilitation and Wastewater Treatment rehabilitation. As presented to council, design and construction services necessary for this project would be added as an amendment to the initial agreement so that only essential services will be contracted.

On April 24, 2012 City Council approved, by Resolution No. 2012-111 Amendment No. l, in the amount of $1,910,075.00, to this agreement in continued design effort to finalize design and prepare bidding documents. Bidding documents in Amendment No. 1 included; Lift Station No. 7 Improvements, 4th to 5th Eddy to Vine, Northeast Interceptor Phase 1A, and 1B, South and West Collection System rehabilitation, and Wastewater Treatment Rehabilitation.

On August 28, 2012 City Council approved, by Resolution No. 2012-229 Amendment No. 2, in the amount of $53,000.00, to this agreement. This amendment added Community Development Block Grant (CDBG) guideline provisions, as well as provided for construction engineering services for the Lift Station No. 7 Improvements and 4th Street to 5th Street; Eddy Street to Vine Street rehabilitation.

On November 13, 2012 City Council approved, by Resolution No. 2012-329 Amendment No. 3, in the amount of $265,754.00, to this agreement. This amendment added construction engineering services and resident inspection during construction for the 5th Street Sanitary Sewer Improvements, as well as for the South & West Sewer Interceptor Improvements with the consulting firm Black & Veatch of Kansas City, Missouri.

On February 12, 2013 City Council approved, by Resolution No. 2013-34 Amendment No. 4 in the amount of $30,000 to this agreement. This amendment updated the Report on Revenue Requirements, Cost of Service and Rates for Wastewater completed in March 2011.

On February 12, 2013 City Council approved, by Resolution No. 2013-35 for Amendment No. 5 in the amount of $451,896 to this agreement. This amendment provided preliminary design engineering services in Phase II of the North Interceptor Sewer planning, and final biding documents for Phase II-B North Interceptor Sewer.

On May 14, 2013 City Council approved, by Resolution No. 2013-148 for Amendment No. 6 in the amount of $719,617 to this agreement. This amendment allowed fee compensation for engineering services that were not specifically identified in the original design agreement; Consulting Engineering Construction Phase Services, and Resident Inspection During Construction for Phase I; North Interceptor Sewer Construction.

On May 14, 2013 City Council approved, by Resolution No. 2013-149 for Amendment No. 7 in the amount of $1,878,450 to this agreement. This amendment provided for Consulting Engineering Construction Phase Services, Resident Inspection During Construction, and Integration Services for Headworks Improvements Construction.

On December 17, 2013 City Council approved, by Resolution No. 2013-400 for Amendment No. 8 in the amount of $904,524.00 to this agreement. This amendment allowed Final Design Phase Services for North Interceptor Phase 2A & 2C (Broadwell Avenue to 7th/Sky Park Road & Lift Station No. 19 to Web Road), as well as Bidding Phase Services for all 3 phases of the North Interceptor (Broadwell Avenue to 7th/Sky Park Road, Webb Road to Broadwell Avenue, and Lift Station No. 19 to Webb Road). Bidding Phase Services originally included in Amendment No. 5 for the North Interceptor were deleted and combined into this amendment.

On September 9, 2014 City Council approved, by Resolution No. 2014-278 for Amendment No. 9 in the amount of $1,846,639.00 to this agreement. This amendment allowed for construction phase services and resident observation services during construction on North Interceptor 2.

On April 14, 2015 City Council approved, by Resolution No. 2015-92 for Amendment No. 10 to allow for an update to the Wastewater Financial Plan. Such amendment increased the original agreement by $46,000.00, resulting in a revised agreement of $9,227,115.00.

Discussion

Condition of the sanitary sewer collection system is a vital component of the Wastewater Division; as such Amendment No. 11 is requested, at no additional cost, which will allow for redistribution of tasks from the original agreement with Black & Veatch. This amendment will focus on a Collection System Master Plan Initial Review, Wastewater

Financial Plan Update, and Collection System Master Plan Complete Update; all of which will aid in prioritizing future projects.

The agreement amount of $9,227,115.00 will not change with this amendment.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to.
2. Refer the issue to a Committee.
3. Postpone the issue to future date.
4. Take no action on the issue.

Recommendation

City Administration recommends that the Council approve by resolution the authorization to execute the Amendment No. 11 with Black & Veatch of Kansas City, Missouri for Professional Engineering Services entitled "Wastewater Treatment Plant and Collection System Rehabilitation".

Sample Motion

Move to approve the resolution.

AMENDMENT NO. 11

TO AGREEMENT BETWEEN

CITY OF GRAND ISLAND

AND

BLACK & VEATCH CORPORATION

FOR PROFESSIONAL SERVICES

FOR

Consulting Engineering Services for the Wastewater Treatment Plant (WWTP) and

Collection System Rehabilitation

THIS IS AN AMENDMENT made as of _____, 2018 to the agreement between City of Grand Island (OWNER) and Black & Veatch Corporation (ENGINEER) dated October 17, 2011, and entitled Consulting Engineering Services for the WWTP and Collection System Rehabilitation. OWNER and ENGINEER agree to amend such Agreement as follows:

ARTICLE 3 – SERVICES TO BE PERFORMED BY ENGINEER
The scope of services for this amendment includes the following services:

Task 8.0 – **Collection System Master Plan Update**
The following subtasks are included:

1. Subtask 1.0 – Project Management
2. Subtask 2.0 – Collection System Master Plan Initial Review
3. Subtask 3.0 – Wastewater Financial Plan Update
4. Subtask 4.0 – Collection System Master Plan Complete Update
5. Subtask 5.0 – Optional Services

The Scope of Services as described in Attachment A – Scope of Services shall be amended to include the following:

Work Tasks

ENGINEER will perform the following specific tasks as part of this Scope of Services:

Subtask 1.0 – Project Management

Objective: Provide ongoing direction and management of the PROJECT. Review staffing, budget, progress, and quality of work throughout the course of the PROJECT for ENGINEER and subcontractors. Provide PROJECT status reports to the CITY with each invoice and at the completion of each major phase of the project.

Subtasks:

1. **Progress Reporting**: The progress report accompanying each invoice shall include a summary of work completed, outstanding project issues, potential scope adjustments, and an updated schedule if changes are required.

2. **Trend Management**: In the event there is consideration to change the scope of the PROJECT, the ENGINEER shall develop and present a Potential Scope Adjustment (PSA) document which itemizes the potential change(s) in scope, details the anticipated cost impact on both the ENGINEER's work as well as for the PROJECT's construction, and indicates any anticipated changes in the initial PROJECT's schedule. The CITY will provide direction to ENGINEER on the implementation of any PSAs and both parties will endeavor to negotiate an amendment to the task. The approval of all PSAs, schedule, and compensation shall be authorized in resolution form by the Mayor and Council of the CITY of Grand Island prior to notice to proceed.

3. **Prepare Project Procedures Manual**: ENGINEER will develop a "Project Procedures Manual" to identify lines of communication, overall project schedule, and other pertinent information required to initiate the PROJECT.

Subtask 2.0 – Collection System Master Plan Initial Review

Objective: To verify the timing of the South Interceptor Recommendations identified in the January 2014 Collection System Master Plan that evaluates current and future needs within the CITY's collection system to achieve the following objectives:

- use existing CITY permanent flow meter data
- use updated collection system inventory data
- maintain reliable service to existing customers
- provide service to new customers
- minimize infiltration and inflow (I/I)
- convey wastewater flows to the WWTP

The existing wastewater collection system model, developed as part of the January 2014 Collection System Master Plan, will be updated to use as the primary tool for analyzing the existing system along with the impact of current and future improvements. A summary of capacity limitations in the South System (all areas tributary to the South Interceptor) will be generated. Flow monitoring data will be used to validate the model and determine the magnitude of I/I within the system. The Year 2022 Capital Improvement Program (CIP) along with Year 2037 recommendations will be reviewed and updated to address capacity and operation and maintenance (O&M) needs to develop an overall plan for serving future development and maintaining adequate capacity throughout the collection system.

A Technical Memorandum (TM) will be developed to summarize the tasks performed and to confirm the timing and phasing needs of the South Interceptor improvements.

Subtasks:

1. **Conduct Kickoff Meeting**: Arrange for and attend a workshop in Grand Island (Workshop 1) to discuss the planning needs and goals with the CITY staff. Confirm overall goals and needs of the collection system planning efforts and how they relate to other collection system projects. Discuss data request and identify available data and formats.

2. **Update Existing Model of the Sanitary Sewer System**: The ENGINEER will update the previous InfoWorks ICM hydraulic model to incorporate collection system improvement projects and more accurate system information to develop an updated existing system model. The updates will include manhole location, pipe invert, pipe diameter, pipe material, and pipe alignment. In areas where there is missing, conflicting, or insufficient data available to properly model the system, B&V will consult the CITY, and a decision will be made about appropriate assumptions or additional field investigation that may need to be conducted by CITY staff. It is assumed data will be provided in electronic format, such as a database or spreadsheet, to quickly integrate into the collection system model. Additional time to review and update the model utilizing as-built drawings or field forms is included as an optional services task.

   The following data will be provided by the CITY:

   a. Construction drawings or as-built drawings if available of system improvements that occurred after the previous model was developed.
   b. Manhole survey data:
      i. Manhole location data.
      ii. Manhole rim elevation data.
      iii. Manhole invert elevation data.
   c. Pipe survey data:
      i. Pipe diameter data.
      ii. Pipe invert data.
      iii. Pipe material data.
      iv. Pipe alignment.

3. **Preliminary Model Validation**: The ENGINEER will work with the CITY to select up to three (3) storm events and one (1) dry weather period to validate the updated collection system model. The ENGINEER will run the selected storm events through the collection system model to compare model predicted flow versus collection system flow monitoring data. Model predicted surcharging will be compared with field verified surcharging where possible. The model verification will be used to re-baseline current flow conditions in the City's collection system and make global model adjustments to match current flow conditions. The model verification task will also be used to determine if the model performance is acceptable for the initial South Interceptor evaluation.

   The following data will be provided by the CITY:

   a. Flow meter data from the CITY's four (4) permanent flow meter locations. The data will be provided in 15 minute increments for the selected storm events and dry weather period. It is preferred the data all falls within the same three (3) to six (6) month time period.
   b. Corresponding rainfall data in 15 minute increments for the selected storm events and dry weather period.
   c. Surcharge locations and depths where available.

   Upon completion of the model validation runs, the ENGINEER will meet with the CITY via conference call to present the results and discuss model adjustments to match existing flow conditions. The City and Engineer will also determine the acceptability of the model for the initial South Interceptor evaluation. If it is determined the system flow characteristics have changed significantly and the model is no longer representative of the collection system, the initial South Interceptor evaluation will not be completed (Task 2, Subtask 4, Preliminary Hydraulic Model Analysis, and CIP Update).

4. **Preliminary Hydraulic Model Analysis and CIP Update**: ENGINEER will use the collection system hydraulic model (as updated in Task 2, Subtasks 2 and 3) to review the timing and phasing of the South Interceptor capacity improvement projects identified in the January 2014 Collection System Master Plan. Based on the model validation (Task 2, Subtask 2), existing capacity concerns will be identified. Using future growth information from the 2004 Comprehensive Development Plan, 2004 Comprehensive Transportation Plan Update, 2010 United States Census, and City Planning Staff knowledge provided during the development of the January 2014 Collection System Master Plan, the collection system capacity for future (2022 and 2037) conditions will be verified. An interpolation of the 2022 and 2037 model results will be utilized to verify the timing and phasing of the South Interceptor capacity improvements. Results will be incorporated into the 5-year financial plan for fiscal years 2019 through 2023 (Task 3, Subtask 1). The subtask will include the following:

   a. Future Collection System Modeling. Perform the future collection system modeling for the Year 2022 and Year 2037 conditions.
   b. South Interceptor Recommended Improvements. Review and update

recommended improvements for increasing capacity, eliminating lift stations, and extending service into new areas. Recommended improvements will be divided between 2022 improvements and 2037 improvements. A CIP will be developed for improvements identified through 2023.

c. Additional South Interceptor Recommended Improvement timing. If portions of the January 2014 Collection System Master Plan 2022, South Interceptor Recommendations are determined as not required for Year 2022 then an interpolation of the future model results will be performed to estimate the modified timing of the South Interceptor.
d. Update Projected Capital Costs. Review and update the projected construction and capital costs for the South Interceptor recommended improvements.

5. **Prepare Technical Memorandum**: ENGINEER will prepare and submit a TM summarizing tasks completed for the model update and capacity analysis and CIP recommendations. Capacity recommendations identified for this technical memorandum will supersede the results of the January 2014 Collection System Master Plan.

Subtask 3.0 – Wastewater Financial Plan Update

Objective: ENGINEER will perform all aspects of updating the wastewater financial plan including the projection of revenues and revenue requirements, timing and magnitude of revenue bond issues and State Revolving Loans, timing and magnitude of revenue adjustment, and adherence to bond covenants.

In developing the financial plan, ENGINEER will evaluate alternatives to effectively balance the often competing factors of bond coverage and fund balance requirements, revenue sufficiency, and the use of industry standard methods and principles.

1. **FY 2019 Financial Planning**: ENGINEER will provide an update of the 5-year financial plan for fiscal years 2019 through 2023 which includes the determination of revenue under existing rates and revenue requirements. Theses analyses include a plan for financing required capital improvements including the updated timing, phasing, and costs associated with the South Interceptor. The financial plan should generate adequate revenues to meet the operating and capital costs and provide for the financial stability of the wastewater system. These analyses will be conducted and modeled to provide for "what-if" scenario assessments, taking into consideration different assumptions related to growth, revenue, and expenses. Upon completion of the updated financial plan, cost of service allocations will be determined, and proposed rate schedules for fiscal years 2019 through 2023 will be developed. Included in the analysis will be a comparison of typical bills with area communities. A draft and final report for the rate study will be prepared and provided to the CITY.

2. **Financial Planning Workshop**: As part of the financial plan update, the existing wastewater rate model will be moved to a new and more user-friendly format that includes scenario planning features that facilitate concurrent manipulation of financial variables, such as the CIP plan and cash financing of capital assumptions and the ability to present a quick graphical view of financial performance on key financial

indicators. ENGINEER will conduct a workshop with the CITY to discuss and provide training on the new Wastewater Financial Plan Rate Model. It is anticipated that this will be a one day workshop in Grand Island and will include the following subtasks:

a. Provide training to CITY on how to utilize the model to evaluate how modifications to operating costs and capital improvements will impact cash balance.
b. Run through live scenarios with the CITY to evaluate impacts to rates and cash balance. The live scenarios may include the timing of rate increases, magnitude of rate increases, timing of capital improvements, and phasing of capital improvements.
c. Provide the CITY with the model upon completion of refinement of the financial plan.

Subtask 4.0 – Collection System Master Plan Complete Update

Objective: To fully update the January 2014 Collection System Master Plan that evaluates current and future needs within the CITY's collection system to achieve the following objectives:

- use the flow and rainfall data collected as part of this project to recalibrate the hydraulic model
- confirm the timing of the Phase 1 South System Improvement project currently scheduled for 2022
- determine if the Phase 1 South System Improvement project can be broken into multiple projects
- maintain reliable service to existing customers
- provide service to new customers
- minimize I/I
- convey wastewater flows to the WWTP

The updated wastewater collection system model, developed as part Task 2 above, will be recalibrated to use as the primary tool for analyzing the existing system along with the impact of current and future improvements. A summary of capacity limitations in the South System (all areas tributary to the South Interceptor) will be generated. Flow monitoring data will be used to validate the model and determine the magnitude of I/I within the system. The Year 2022 CIP along with Year 2037 recommendations will be reviewed and updated to address capacity and O&M needs to develop an overall plan for serving future development and maintaining adequate capacity throughout the collection system.

The January 2014 Collection System Master Plan will be modified to include the complete Master Plan update with the new recommendations. The updated Collection System Master Plan will be assembled into the final Updated Collection System Master Plan. Based on the results of the hydraulic modeling, recommendations will be made to address capacity and O&M issues. In addition, recommendations will be made regarding extension of service to new developments.

Subtasks:

1. **Flow Monitoring**: Determine and Conduct Flow Monitoring. ENGINEER will coordinate setup and installation of monitoring sites. Sites will be selected in conjunction with the CITY's permanent flow monitoring network. Flow monitoring will be conducted based on an eight (8) week time period. Monitoring equipment capable of measuring and recording depth and velocity in 15 minute intervals will be utilized. The monitors will be checked weekly during the monitoring period. Field flow levels will be checked with the flow data to verify correct operation of the monitors. Flow data (both raw and converted) will be provided in both electronic and hard copy summary for use in the updated capacity analysis. Up to two (2) CITY rain gauges will be utilized for the monitoring period. The rain gauges will be capable of recording at 15 minute intervals. It is anticipated that monitoring will be conducted in May – July, 2018 to obtain storm events in the spring when irrigation flows are at a minimum. If sufficient storm events do not occur during the flow monitoring period, extending the monitoring period or re-monitoring during the Spring of 2019 will be discussed with the CITY. The following subtasks will be completed:

    a. Site Selection Workshop. A flow monitoring workshop (Workshop 3) will be conducted in Grand Island to discuss permanent flow monitoring sites to be installed and maintained by the CITY and temporary flow monitoring sites to be installed and maintained by the ENGINEER.
    b. Spring 2018 Data Analysis. ENGINEER will analyze flow and rainfall data for up to eight (8) permanent monitoring locations obtained during the Spring 2018 flow monitoring period. Analysis will include a determination of the average daily dry weather flow and wet weather I/I estimates for up to three events. Flow and rainfall results will be expressed in units appropriate for the hydraulic model.

2. **Hydraulic Model Calibration and CIP Refinement**: This task will use flow monitoring data from eight (8) permanent flow monitoring sites to calibrate the updated collection system hydraulic model. In addition, the impact of I/I on the collection system will be verified and appropriate peaking factors determined. Based on the recalibration, existing capacity concerns will be identified. Using the calibrated and updated collection system hydraulic model, the recommendations identified in Task 2, subtask 5 will be validated and refined. The following subtasks will include:

    a. Model Calibration. Based on the flow monitoring results and other flow monitoring data (i.e. WWTP). The collection system model will be recalibrated for dry and wet weather conditions. This will include developing basin specific per capita flows and I/I factors. Existing capacity concerns will be identified.
    b. Refinement of Recommended South Interceptor Improvements. Utilize the recalibrated model to refine the timing and phasing for the South Interceptor improvement projects.
    c. Conduct a model workshop with CITY. The workshop (Workshop 4) will discuss assumptions and parameters utilized during the update and recalibration of the model. The appropriate technical memorandum figures and tables developed in Task 2, subtask 6 will be updated for the workshop

presentation and discussion. The ENGINEER will also provide guidance on how the model or other appropriate tools can be utilized by the CITY to evaluate collection system performance and capacity in relation to proposed development activities.

3. **Update Collection System Master Plan**: Following completion of the Hydraulic Model Calibration and CIP Refinement, a draft Updated Collection System Master Plan will be developed to replace pertinent information and sections in the January 2014 Master Plan. An electronic copy in PDF format will be provided to the City for review and comment. Following receipt of a consolidated list of comments and suggestions from the CITY in PDF format, the Updated Collection System Master Plan will be finalized. The CITY will be provided with ten (10) copies, an electronic copy in PDF format and a CD with the final collection system model.

Subtask 5.0 – Optional Services

The below tasks are items not included in the Basic Services above and are classified as Optional Services. These tasks will not be completed by the ENGINEER unless specifically authorized in writing by the CITY to perform the Optional Services and the Contract is amended to include an agreed upon fee.

1. **Installation and Maintenance of a Temporary Flow Meter**: Rental, installation, and weekly maintenance of one (1) additional flow monitoring device for an eight (8) week period. It is assumed that both temporary flow devices will be installed and removed during the same installation trip by the meter vendor. Task includes the analysis of the flow monitoring data and calibration of the hydraulic model for the extra flow meter and will be completed in conjunction with the original eight (8) flow monitoring locations.

2. **Add a Second Temporary Flow Meter**: Rental, installation, and weekly maintenance of one (1) additional flow monitoring device for an eight (8) week period. It is assumed that all three (3) temporary flow devises will be installed and removed during the same installation trip by the meter vendor. Task includes the analysis of the flow monitoring data and calibration of the hydraulic model for the extra flow meter and will be completed in conjunction with the original eight (8) flow monitoring locations.

3. **Add a Third Temporary Flow Meter:** Rental, installation, and weekly maintenance of one (1) additional flow monitoring device for an eight (8) week period. It is assumed that all three (3) temporary flow devises will be installed and removed during the same installation trip by the meter vendor. Task includes the analysis of the flow monitoring data and calibration of the hydraulic model for the extra flow meter and will be completed in conjunction with the original eight (8) flow monitoring locations.

4. **Add a Fourth Temporary Flow Meter**: Rental, installation, and weekly maintenance of one (1) additional flow monitoring device for an eight (8) week period. It is assumed that all three (3) temporary flow devises will be installed and removed during the same installation trip by the meter vendor. Task includes the analysis of the flow monitoring data and calibration of the hydraulic model for the

extra flow meter and will be completed in conjunction with the original eight (8) flow monitoring locations.

5. **Add a Fifth Temporary Flow Meter**: Rental, installation, and weekly maintenance of one (1) additional flow monitoring device for an eight (8) week period. It is assumed that all three (3) temporary flow devises will be installed and removed during the same installation trip by the meter vendor. Task includes the analysis of the flow monitoring data and calibration of the hydraulic model for the extra flow meter and will be completed in conjunction with the original eight (8) flow monitoring locations.

6. **Add a Sixth Temporary Flow Meter**: Rental, installation, and weekly maintenance of one (1) additional flow monitoring device for an eight (8) week period. It is assumed that all three (3) temporary flow devises will be installed and removed during the same installation trip by the meter vendor. Task includes the analysis of the flow monitoring data and calibration of the hydraulic model for the extra flow meter and will be completed in conjunction with the original eight (8) flow monitoring locations.

7. **Add a Seventh Temporary Flow Meter**: Rental, installation, and weekly maintenance of one (1) additional flow monitoring device for an eight (8) week period. It is assumed that all three (3) temporary flow devises will be installed and removed during the same installation trip by the meter vendor. Task includes the analysis of the flow monitoring data and calibration of the hydraulic model for the extra flow meter and will be completed in conjunction with the original eight (8) flow monitoring locations.

8. **Add an Eighth Temporary Flow Meter**: Rental, installation, and weekly maintenance of one (1) additional flow monitoring device for an eight (8) week period. It is assumed that all three (3) temporary flow devises will be installed and removed during the same installation trip by the meter vendor. Task includes the analysis of the flow monitoring data and calibration of the hydraulic model for the extra flow meter and will be completed in conjunction with the original eight (8) flow monitoring locations.

9. **Site Visit to Address Flow Meter Issues**: Site visit to address flow meter issues such as blockages and flooding induced clogging/silt. The site visit includes a confined space entry into the manhole to service the flow meter. It is anticipated that up to four (4) site visits will be required.

10. **Extension of Flow Monitoring Period**: Extension of the flow monitoring period of an additional four (4) weeks to capture sufficient rain events for model calibration and system evaluations. The additional four (4) weeks extension will include the rental, installation, and weekly maintenance of up one (1) flow device.

11. **Present Recommendations to City Council for Approval**: Attend one (1) City Council meeting or Administrative Staff meeting and assist the CITY staff in presenting the Updated Collection System Master Plan, recommendations, and updated Wastewater Financial Plan.

12. **Additional Level of Effort to Utilize Field Forms and As-Built Drawings to Update Existing Model of the Sanitary Sewer System**: If collection system improvements and more accurate location data are not available in an electronic format that will integrate into the model, the ENGINEER will review available field

forms and as-built drawings. Data collected from field forms and as-built drawings will be utilized to update the previous InfoWorks ICM hydraulic model to incorporate collection system improvement projects and more accurate system information to develop an updated existing system model.

ARTICLE 4 – COMPENSATION

4.1 The total amount of payments for services and Reimbursable Expenses in accordance with Attachment B, Compensation shall not change from $9,227,115.00 (per Council Resolution 2015-92 dated April 14, 2015). Funds shall be redistributed to provide compensation by Task as follows:

1. Task 8.0 – Collection System Master Plan Update	
a. Subtask 1.0 – Project Management	$10,814
b. Subtask 2.0 – Master Plan Initial Review	$72,612
c. Subtask 3.0 – Financial Plan Update	$37,579
d. Subtask 4.0 – Master Plan Complete Update	$74,730
e. Subtask 5.0 – Optional Services	$118,124
Total Compensation Allocated to Amendment No. 11	**$313,858**

SUPPLEMENTAL SERVICES

Any Work requested by CITY that is not included in one of the items listed in any other phase will be classified as supplemental services. Such services are as follows:

1. Additional flow monitoring or rain gauge sites or an extension of the flow monitoring period.
2. Additional meetings with local, State, or Federal agencies to discuss the PROJECT.
3. Additional appearances at public hearings or before special boards.
4. Supplemental Engineering Work required to meet the requirements of regulatory or funding agencies that become effective subsequent to the date of this agreement.
5. Special consultants or independent professional associates requested or authorized by CITY.
6. Changes in the general scope, extent, or character of the project, including, but not limited to:
    a. Revision of previously accepted studies, reports, design documents, or construction contract documents when such revisions are required by changes in laws, rules, regulations, ordinances, codes, or orders enacted subsequent to the preparation of such studies, reports, documents, or designs; or are required by any other causes beyond ENGINEER's control.

ANTICIPATED SCHEDULE

The following is the schedule for the completion of Basic Services to be provided by the Engineer during the Master Plan Update project. City agrees to adjust schedule milestones if the scope of work is revised, if the Notice to Proceed to Engineer is delayed, or for any other delays beyond the Engineer's control.

Task	**Date**
Notice to Proceed (NTP) Issued by City to Engineer on or before	July 1, 2018
Completion of Master Plan Initial Review (Task 2.0)	October 31, 2018
Rate Model Update (Task 4.0)	December 31, 2018
Completion of Master Plan Complete Update (Task 3.0)	
Temporary Flow Monitoring (Task 3.1)	June 30, 2019
Hydraulic Model Calibration (Task 3.2)	October 31, 2019
CIP Refinement/Master Plan Update (Task 3.3)	December 31, 2019

IN WITNESS WHEREOF, the parties hereto have made and executed this Amendment as of the day and year first above written.

OWNER:	ENGINEER:
CITY OF GRAND ISLAND, NEBRASKA	BLACK & VEATCH CORPORATION
By: _____	By: 
Jeremy Jensen,	Derek Cambridge,
Title: Mayor	Title: Associate Vice President
Date: _____	Date: 6/18/2018
Attest: _____	Date: _____
RaNae Edwards, City Clerk	

The Amendment is in due form according to law and is hereby approved.

Date: _____

Jerom E. Janulewicz,
City Attorney

ATTACHMENT B

Professional Services Fee

PHASE/Task	PHASE	Project Director	Project Manager	Project Secretary / Accountant	WW System Planning	Hydraulic Modeling	WW System Planning QA/QC	GIS Tech	Principal Consultant	Consultant	BLACK & VEATCH LABOR COSTS SUBTOTAL, hours	BLACK & VEATCH LABOR COSTS SUBTOTAL, Billings $
(Billing Rate, $$,Hr.)		$265.00	$210.00	$80.00	$175.00	$128.00	$220.00	$110.00	$260.00	$205.00		
Task 1.0 Project Management												
1-1 Progress Reporting	1000	6	18	26							50	$ 7,450
1-2 Trend Management	1000	2	6								8	$ 1,790
1-3 Prepare Project Procedures Manual	1000	1	2	4							7	$ 1,005
Subtotal, Hours		**9**	**26**	**30**	**-**	**-**	**-**	**-**	**-**	**-**	**65**	
Subtotal, Billings		**$ 2,385**	**$ 5,460**	**$ 2,400**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**		**$ 10,245**
Task 2.0 Collection System Master Planning												
2-1 Conduct Kickoff Meeting (Workshop 1)	2000	10	10	2	12	10					44	$ 8,290
2-2 Update Existing Model of Sanitary Sewer System	2000		6		8	40	4	4			62	$ 9,100
2-3 Preliminary Model Validation	2000										-	$ -
Preliminary Model Validation	2000		6		20	40	2				68	$ 10,320
Model Validation Conference Call	2000		2		3	3					8	$ 1,329
2-4 Preliminary Hydraulic Model Analysis and CIP Update	2000										-	$ -
a. Future Collection System Modeling	2000		4		12	64	4				84	$ 12,012
b. Update South Interceptor Recommended Improvements	2000	2	6		10	16					34	$ 5,588
c. Additional South Interceptor Recommended Scenario	2000	2	6		10	32					50	$ 7,636
d. Update Projected Capital Costs	2000	2	8		8	16					34	$ 5,658
2-5 Prepare Technical Memorandum	2000	4	6	4	12	16	4	4			50	$ 8,108
Subtotal, Hours		**20**	**54**	**6**	**95**	**237**	**14**	**8**	**-**	**-**	**434**	
Subtotal, Billings		**$ 5,300**	**$ 11,340**	**$ 480**	**$ 16,625**	**$ 30,336**	**$ 3,080**	**$ 880**	**$ -**	**$ -**		**$ 68,041**
Task 3.0 Wastewater Financial Plan Update												
3-1 FY 2019 Financial Planning	3000		2						36	60	98	$ 22,080
3-2 Rate Model Workshop	3000	2	10						32	12	56	$ 13,410
Subtotal, Hours		**2**	**12**	**-**	**-**	**-**	**-**	**-**	**68**	**72**	**154**	
Subtotal, Billings		**$ 530**	**$ 2,520**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 17,680**	**$ 14,760**		**$ 35,490**
Task 4.0 Collection System Master Planning												
4-1 Flow Monitoring	4000										-	$ -
a. Site Selection Workshop	4000	4	8	2	8	4					26	$ 4,812
b. Spring 2018 Data Analysis	4000		6		10	36	4				56	$ 8,498
4-2 Hydraulic Model Calibration and CIP Refinement	4000										-	$ -
a. Model Calibration	4000		2		16	130	4				152	$ 20,740
b. Refine South Interceptor Recommended Improvements	4000	2	4		4	8					18	$ 3,094
c. Conduct Model Workshop	4000	2	10		18	24					54	$ 8,852
4-3 Update Collection System Master Plan	4000	4	16	16	30	62	6	12			146	$ 21,526
Subtotal, Hours		**12**	**46**	**18**	**86**	**264**	**14**	**12**	**-**	**-**	**452**	
Subtotal, Billings		**$ 3,180**	**$ 9,660**	**$ 1,440**	**$ 15,050**	**$ 33,792**	**$ 3,080**	**$ 1,320**	**$ -**	**$ -**		**$ 67,522**

PHASE/Task (Billing Rate, $$,Hr.)	PHASE	BLACK & VEATCH EXPENSES			Flow Monitoring Subconsultant					TOTAL				
		Expenses (Computer, phone, copies, etc)	Auto / Travel	SUBTOTAL, EXPENSES	Meter Rental	Meter Installation / Removal Service	Data Download	Expenses (without BV markup)	Expenses	Hours	Labor Cost	Expense Cost	TOTAL COST	TOTAL COST with 3% ESCALATION of 2019 TASKS
		$ 8.75												
Task 1.0 Project Management														
1-1 Progress Reporting	1000	$ 438		$ 438	0	$ -	$ -		$ -	50	$ 7,450	$ 438	$ 7,888	$ 7,888
1-2 Trend Management	1000	$ 70		$ 70	0	$ -	$ -		$ -	8	$ 1,790	$ 70	$ 1,860	$ 1,860
1-3 Prepare Project Procedures Manual	1000	$ 61		$ 61	0	$ -	$ -		$ -	7	$ 1,005	$ 61	$ 1,066	$ 1,066
Subtotal, Hours		**$ 569**	**$ -**		**-**	**$ -**		**$ -**		**65**				
Subtotal, Billings		**$ 569**	**$ -**	**$ 569**			**$ -**		**$ -**		**$ 10,245**	**$ 569**	**$ 10,814**	**$ 10,814**
Task 2.0 Collection System Master Planning														
2-1 Conduct Kickoff Meeting (Workshop 1)	2000	$ 385	$ 771	$ 1,156	0	$ -	$ -		$ -	44	$ 8,290	$ 1,156	$ 9,446	$ 9,446
2-2 Update Existing Model of Sanitary Sewer System	2000	$ 543		$ 543	0	$ -	$ -		$ -	62	$ 9,100	$ 543	$ 9,643	$ 9,643
2-3 Preliminary Model Validation	2000	$ -		$ -	0	$ -	$ -		$ -	0	$ -	$ -	$ -	$ -
Preliminary Model Validation	2000	$ 595		$ 595	0	$ -	$ -		$ -	68	$ 10,320	$ 595	$ 10,915	$ 10,915
Model Validation Conference Call	2000	$ 70		$ 70	0	$ -	$ -		$ -	8	$ 1,329	$ 70	$ 1,399	$ 1,399
2-4 Preliminary Hydraulic Model Analysis and CIP Update	2000	$ -		$ -	0	$ -	$ -		$ -	0	$ -	$ -	$ -	$ -
a. Future Collection System Modeling	2000	$ 735		$ 735	0	$ -	$ -		$ -	84	$ 12,012	$ 735	$ 12,747	$ 12,747
b. Update South Interceptor Recommended Improvements	2000	$ 298		$ 298	0	$ -	$ -		$ -	34	$ 5,588	$ 298	$ 5,886	$ 5,886
c. Additional South Interceptor Recommended Scenario	2000	$ 438		$ 438	0	$ -	$ -		$ -	50	$ 7,636	$ 438	$ 8,074	$ 8,074
d. Update Projected Capital Costs	2000	$ 298		$ 298	0	$ -	$ -		$ -	34	$ 5,658	$ 298	$ 5,956	$ 5,956
2-5 Prepare Technical Memorandum	2000	$ 438		$ 438	0	$ -	$ -		$ -	50	$ 8,108	$ 438	$ 8,546	$ 8,546
Subtotal, Hours		**$ 3,800**	**$ 771**		**-**	**$ -**		**$ -**		**434**				
Subtotal, Billings		**$ 3,800**	**$ 771**	**$ 4,571**			**$ -**		**$ -**		**$ 68,041**	**$ 5,140**	**$ 72,612**	**$ 72,612**
Task 3.0 Wastewater Financial Plan Update														
3-1 FY 2019 Financial Planning	3000	$ 858		$ 858	0	$ -	$ -		$ -	98	$ 22,080	$ 858	$ 22,938	$ 22,938
3-2 Rate Model Workshop	3000	$ 490	$ 741	$ 1,231	0	$ -	$ -		$ -	56	$ 13,410	$ 1,231	$ 14,641	$ 14,641
Subtotal, Hours		**$ 1,348**	**$ 741**		**-**	**$ -**		**$ -**		**154**				
Subtotal, Billings		**$ 1,348**	**$ 741**	**$ 2,089**			**$ -**		**$ -**		**$ 35,490**	**$ 2,089**	**$ 37,579**	**$ 37,579**
Task 4.0 Collection System Master Planning														
4-1 Flow Monitoring	4000	$ -		$ -	0	$ -	$ -		$ -	0	$ -	$ -	$ -	$ -
a. Site Selection Workshop	4000	$ 228	$ 333	$ 561	0	$ -	$ -		$ -	26	$ 4,812	$ 561	$ 5,373	$ 5,534
b. Spring 2018 Data Analysis	4000	$ 490		$ 490	0	$ -	$ -		$ -	56	$ 8,498	$ 490	$ 8,988	$ 9,258
4-2 Hydraulic Model Calibration and CIP Refinement	4000	$ -												$ -
a. Model Calibration	4000	$ 1,330		$ 1,330	0	$ -	$ -		$ -	152	$ 20,740	$ 1,330	$ 22,070	$ 22,732
b. Refine South Interceptor Recommended Improvements	4000	$ 158		$ 158	0	$ -	$ -		$ -	18	$ 3,094	$ 158	$ 3,252	$ 3,350
c. Conduct Model Workshop	4000	$ 473	$ 741	$ 1,214	0	$ -	$ -	$ -	$ -	54	$ 8,852	$ 1,214	$ 10,066	$ 10,368
4-3 Update Collection System Master Plan	4000	$ 1,278		$ 1,278	0	$ -	$ -		$ -	146	$ 21,526	$ 1,278	$ 22,804	$ 23,488
Subtotal, Hours		**$ 3.957**	**$ 1.074**		**-**	**$ -**		**$ -**		**452**				
Subtotal, Billings		**$ 3,957**	**$ 1,074**	**$ 5,031**			**$ -**		**$ -**		**$ 67,522**	**$ 5,031**	**$ 72,553**	**$ 74,730**

PHASE/Task		PHASE	Project Director	Project Manager	Project Secretary / Accountant	WW System Planning	Hydraulic Modeling	WW System Planning QA/QC	GIS Tech	Principal Consultant	Consultant	BLACK & VEATCH LABOR COSTS SUBTOTAL, hours	BLACK & VEATCH LABOR COSTS SUBTOTAL, Billings $
(Billing Rate, $$,Hr.)			$265.00	$210.00	$80.00	$175.00	$128.00	$220.00	$110.00	$260.00	$205.00		
	Task 5.0 Optional Services												
5-1	Installation & Maintenance of Flow Meter (1 meter/8 weeks)	5000	1	1	1	4	2					9	$ 1,511
5-2	Add a Second Temporary Flow Meter (15" + pipe)	5000		1		2	18					21	$ 2,864
5-3	Add Third Temporary Flow Meter	5000		1		2	18					21	$ 2,864
5-4	Add Fourth Temporary Flow Meter (15" + pipe)	5000		1		2	18					21	$ 2,864
5-5	Add Firth Temporary Flow Meter	5000		1		2	18					21	$ 2,864
5-6	Add Sixth Temporary Flow Meter (15" + pipe)	5000		1		2	18					21	$ 2,864
5-7	Add Seventh Temporary Flow Meter	5000		1		2	18					21	$ 2,864
5-8	Add Eighth Temporary Flow Meter (15" + pipe)	5000		1		2	18					21	$ 2,864
5-9	Site Visit to Address Meter Issues (assume up to four visits)	5000		1		1	1					3	$ 513
5-10	Four (4) Week Extension of Flow Monitoring Period for Each Meter	5000		1	1							2	$ 290
5-11	Present Recommendations to City Council for Approval	5000	8	8	2		8	2	2			30	$ 5,644
5-12	Additional Effort to Utilize Field Form/As-Built Drawings for Model Update	5000		4	1	12	60	2	4			83	$ 11,580
Subtotal, Hours			**9**	**22**	**5**	**31**	**197**	**4**	**6**	**-**	**-**	**274**	
Subtotal, Billings			**$ 2,385**	**$ 4,620**	**$ 400**	**$ 5,425**	**$ 25,216**	**$ 880**	**$ 660**	**$ -**	**$ -**		**$ 39,586**
Total, Hours			**52**	**160**	**59**	**212**	**698**	**32**	**26**	**68**	**72**	**1,379**	
Total, Billings w/Out Optional Services			**$ 11,395**	**$ 28,980**	**$ 4,320**	**$ 31,675**	**$ 64,128**	**$ 6,160**	**$ 2,200**	**$ 17,680**	**$ 14,760**		**$ 181,298**
Total, Billings w/ Optional Services			**$ 13,780**	**$ 33,600**	**$ 4,720**	**$ 37,100**	**$ 89,344**	**$ 7,040**	**$ 2,860**	**$ 17,680**	**$ 14,760**		**$ 220,884**

PHASE/Task (Billing Rate, $$,Hr.)		PHASE	BLACK & VEATCH EXPENSES			Flow Monitoring Subconsultant					TOTAL				
			Expenses (Computer, phone, copies, etc)	Auto / Travel	SUBTOTAL, EXPENSES	Meter Rental	Meter Installation / Removal Service	Data Download	Expenses (without BV markup)	Expenses	Hours	Labor Cost	Expense Cost	TOTAL COST	TOTAL COST with 3% ESCALATION of 2019 TASKS
			$ 8.75												1.03
	Task 5.0 Optional Services														
5-1	Installation & Maintenance of Flow Meter (1 meter/8 weeks)	5000	$ 79	$ -	$ 79	2904	3874	$ 4,400	$ 11,178	$ 11,513	9	$ 1,511	$ 11,592	$ 13,103	$ 13,496
5-2	Add a Second Temporary Flow Meter (15" + pipe)	5000	$ 184	$ -	$ 184	2352	1674	$ 2,800	$ 6,826	$ 7,031	21	$ 2,864	$ 7,215	$ 10,079	$ 10,381
5-3	Add Third Temporary Flow Meter	5000	$ 184	$ -	$ 184	2080	974	$ 2,800	$ 5,854	$ 6,030	21	$ 2,864	$ 6,214	$ 9,078	$ 9,350
5-4	Add Fourth Temporary Flow Meter (15" + pipe)	5000	$ 184	$ -	$ 184	2352	2174	$ 2,800	$ 7,326	$ 7,546	21	$ 2,864	$ 7,730	$ 10,594	$ 10,912
5-5	Add Firth Temporary Flow Meter	5000	$ 184	$ -	$ 184	2080	2174	$ 2,800	$ 7,054	$ 7,266	21	$ 2,864	$ 7,450	$ 10,314	$ 10,623
5-6	Add Sixth Temporary Flow Meter (15" + pipe)	5000	$ 184	$ -	$ 184	2352	2174	$ 2,800	$ 7,326	$ 7,546	21	$ 2,864	$ 7,730	$ 10,594	$ 10,912
5-7	Add Seventh Temporary Flow Meter	5000	$ 184	$ -	$ 184	2080	2174	$ 2,800	$ 7,054	$ 7,266	21	$ 2,864	$ 7,450	$ 10,314	$ 10,623
5-8	Add Eighth Temporary Flow Meter (15" + pipe)	5000	$ 184	$ -	$ 184	2352	2174	$ 2,800	$ 7,326	$ 7,546	21	$ 2,864	$ 7,730	$ 10,594	$ 10,912
5-9	Site Visit to Address Meter Issues (assume up to four visits)	5000	$ 26	$ -	$ 26	0	6096	$ 1,400	$ 7,496	$ 7,721	3	$ 513	$ 7,747	$ 8,260	$ 8,508
5-10	Four (4) Week Extension of Flow Monitoring Period for Each Meter	5000	$ 18	$ -	$ 18	1188	0	$ 1,400	$ 2,588	$ 2,666	2	$ 290	$ 2,684	$ 2,974	$ 3,063
5-11	Present Recommendations to City Council for Approval	5000	$ 263	$ 1,132	$ 1,395	0	$ -	$ -	$ -	$ -	30	$ 5,644	$ 1,395	$ 7,039	$ 7,039
5-12	Additional Effort to Utilize Field Form/As-Built Drawings for Model Update	5000	$ 726	$ -	$ 726	0	$ -	$ -	$ -	$ -	83	$ 11,580	$ 726	$ 12,306	$ 12,306
Subtotal, Hours			**$ 2,400**	**$ 1,132**		**$ 19,740**	**$ 23,488**	**$ 26,800**	**$ 70,028**		**274**				
Subtotal, Billings			**$ 2,400**	**$ 1,132**	**$ 3,532**					**$ 72,129**		**$ 39,586**	**$ 75,661**	**$ 115,247**	**$ 118,124**
Total, Hours											**1,379**				
Total, Billings w/Out Optional Services			$ 9,674	$ 2,586	**$ 12,260**							**$ 181,298**	**$ 12,260**	**$ 193,558**	**$ 195,735**
Total, Billings w/ Optional Services			$ 12,074	$ 3,718	**$ 15,792**	$ 19,740	$ 23,488	$ 26,800	$ 70,028	**$ 72,129**		**$ 220,884**	**$ 87,921**	**$ 308,805**	**$ 313,858**

ATTACHMENT C

2018 Billing Rate Schedule

Schedule of Hourly Billing Rates and Charges – Master Plan Update

1. Compensation for personnel used in the performance of engineering services shall be in accordance with the following hourly billing rates.

Black & Veatch Classification	2018 Hourly Billing Rates
Project Director	$265
Project Manager	$210
Project Administration and Clerical	$80
Project Accountant	$80
Engineering Manager	$180
Lead Civil Engineer	$140
CAD Coordinator	$164
CAD Technician	$105
Wastewater System Planning Engineer	$175
Hydraulic Modeler	$128
Wastewater System Planning QA/QC	$220
GIS Technician	$110
Principal Consultant	$260
Consultant	$205
Architect QC/Admin	$205
Architect	$172
Architect Tech	$115
Structural QC/Admin	$205
Senior Structural Engineer	$194
Structural Engineer	$138
Senior Structural Technician	$135
Structural Technician	$115
Senior Process Mechanical Engineer	$193
Process Mechanical Engineer	$154
Senior Process Mechanical Technician	$135
Building Mechanical QC/Admin	$205
Senior Building Mechanical Engineer	$193
Building Mechanical Engineer	$136
Senior Building Mechanical Tech	$135
Building Mechanical CAD	$115
Project Facilitator Controls	$185
Operations Specialist	$170
Electrical QC/Admin	$215

Electrical Engineer	$149
Instrumentation & Controls Admin/QC	$205
Senior Instrumentation & Controls Engineer	$194
Operations Writer	$90
Shop Drawings Admin	$80
Shop Drawings Manager	$147
Operations Graphics	$102
Technical Editor	$95
Process QC/Admin	$245
Senior Process Engineer	$245
Senior Operations Specialist	$220
Process Engineer	$154
Quality Control Engineer	$192
Estimator	$170

2. Compensation for reimbursable expense items and other charges incurred in connection with the performance of the work shall be in accordance with the following schedule:

Expense Item	Unit Cost
Travel, Subsistence, and Incidental Expenses	Net Cost
Automobile/Motor Vehicles – Local Mileage	$0.55/mile
Automobile/Motor Vehicles – Rental	Net Cost
Telephone and Telegraph Costs	*
Reproduction of Reports, Drawings & Specifications	Net Cost
Postage & Shipping Charges of Job-Related Materials	*
Computer Services	*
Photograph and Video Reproductions	Net Cost
Sub-Consultant Fees	Net Charge x 1.03

* Included in hourly miscellaneous expense charge of $8.75 per hour.

3. The Schedule of Hourly Billing Rates and Charges indicated herein is effective for service in 2018. The Schedule of Hourly Billing Rates and Charges will be revised and re-issued in March of subsequent years.

R E S O L U T I O N 2018-192

WHEREAS, on October 11, 2012 Grand Island City Council, by Resolution No. 2011-307, approved the consulting agreement with Black & Veatch of Kansas City, Missouri; for project management, collection system master planning and conceptual designs for the Northeast Interceptor sewer, Collection System rehabilitation and Wastewater Treatment rehabilitation in the amount of $1,121,160.00, and

WHEREAS, on April 24, 2012 Grand Island City Council, by Resolution No. 2012-111, approved Amendment No. 1 allowed for the continuation of the design effort to final design and bidding, in the amount of $1,910,075.00; and

WHEREAS, on August 28, 2012 Grand Island City Council, by Resolution No. 2012-229, approved Amendment No. 2 to add CDBG guideline provisions, and provided for construction engineering services for the Lift Station No. 7 Improvements and 4th Street to 5th Street; Eddy Street to Vine Street rehabilitation, in the amount of $53,000; and

WHEREAS, on November 13, 2012 Grand Island City Council, by Resolution No. 2012-329, approved Amendment No. 3 allowed for construction engineering services and resident inspection during construction for the 5th Street Sanitary Sewer Improvements, as well as for the South & West Sewer Interceptor Improvements with the consulting firm Black & Veatch of Kansas City, Missouri, in the amount of $265,754.00; and

WHEREAS, on February 12, 2013 Grand Island City Council, by Resolution No. 2013-34, approved Amendment No. 4 allowed for the review to the "Report on Revenue Requirements, Cost of Service and Rates for Wastewater", in the amount of $30,000; and

WHEREAS, on February 12, 2013 Grand Island City Council, by Resolution No. 2013-35, approved Amendment No. 5 allowed preliminary design engineering services in Phase II of the North Interceptor Sewer planning, and final biding documents for Phase II-B North Interceptor Sewer with the consulting firm Black & Veatch of Kansas City, Missouri in the amount of $451,896; and

WHEREAS, on May 14, 2013 Grand Island City Council, by Resolution No. 2013-2013-148, approved Amendment No. 6 allowed fee compensation in engineering services that were not specifically identified in the original design agreement; Consulting Engineering Construction Phase Services, and Resident Inspection During Construction for Phase I; North Interceptor Sewer Construction, in the amount of $719,617.00; and

WHEREAS, on May 14, 2013 Grand Island City Council, by Resolution No. 2013-149, approved Amendment No. 7, which provides for Consulting Engineering Construction Phase Services, Resident Inspection During Construction and Integration Services for Headworks Improvements Construction with the consulting firm Black & Veatch of Kansas City, in the amount of $1,878,450.00; and

Approved as to Form ¤ _____
May 14, 2013 ¤ City Attorney

WHEREAS, on December 17, 2013 Grand Island City Council, by Resolution No. 2013-400, approved Amendment No. 8, which allowed Final Design Phase Services for North Interceptor Phase 2A & 2C (Broadwell Avenue to 7th/Sky Park Road & Lift Station No. 19 to Web Road), as well as Bidding Phase Services for all 3 phases of the North Interceptor (Broadwell Avenue to 7th/Sky Park Road, Webb Road to Broadwell Avenue, and Lift Station No. 19 to Webb Road). Bidding Phase Services originally included in Amendment No. 5 for the North Interceptor were deleted and combined in this amendment; and

WHEREAS, on September 9, 2014 City Council approved, by Resolution No. 2014-278 for Amendment No. 9 in the amount of $1,846,639.00 to this agreement. This amendment allowed for construction phase services and resident observation services during construction on North Interceptor 2; and

WHEREAS, on April 14, 2015 City Council approved, by Resolution No. 2015-92 for Amendment No. 10 to allow for an update to the Wastewater Financial Plan. Such amendment increased the original agreement by $46,000.00, resulting in a revised agreement of $9,227,115.00; and

WHEREAS, Amendment No. 11 will allow for redistribution of tasks form the original agreement and focus on a Collection System Master Plan Initial Review, Wastewater Financial Plan Update, and Collection System Master Plan Complete Update; and

WHEREAS, there is no cost associated with Amendment No. 11, resulting in the agreement remaining at a cost of $9,227,115.00.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that such Amendment No. 11 to the agreement with Black & Veatch of Kansas City, Missouri is hereby approved.

BE IT FURTHER RESOLVED, that the Mayor is hereby authorized and directed to execute such Amendment No. 11 on behalf of the City of Grand Island.

- - -

Adopted by the City Council of the City of Grand Island, Nebraska, June 26, 2018.

_____
Jeremy L. Jensen, Mayor

Attest:

_____
RaNae Edwards, City Clerk