City of Carroll

112 E. 5th Street Carroll, Iowa 51401-2799 (712) 792-1000 FAX: (712) 792-0139

MEMO TO: Gerald L. Clausen, City Manager

FROM: Randall M. Krauel, Director of Public Works RMK

DATE: June 8, 2016

SUBJECT: Industrial Park Road Sanitary Sewer
Updated Sewer Extension Cost Estimate

On February 23, 2016, the City entered an Agreement with the Carroll County Solid Waste Management Commission for a joint public improvement identified as the Industrial Park Road Sanitary Sewer project. A copy of the Agreement and accompanying memorandum is attached for reference.

The Commission's consulting engineer, Foth Infrastructure & Environment, LLC, has completed preliminary design work on the project. The preliminary design work on the project has identified that topography restricts the gravity portion of the sanitary sewer from being constructed as originally anticipated. It is now determined that a lift station will be required to build a gravity sanitary sewer along Industrial Park Road from Burgess Avenue to Kittyhawk Avenue. A lift station would be proposed to be located at the intersection of Burgess Avenue and Industrial Park Road.

Foth Infrastructure & Environment, LLC has prepared the attached Updated Sewer Extension Cost Estimate. The Estimate includes the City cost of a lift station less SCADA of approximately $50,000.00. The City's total Updated Cost Estimate is $198,914.50 + SCADA, compared to the Agreement estimate of $150,074.00.

A lift station would be constructed similar to the current lift stations located on North U.S. 71, near Van Meter, Inc. and Kittyhawk Avenue, near Wal-Mart. The Kittyhawk Avenue lift station was built in 2007 at a bid price of $315,000.00.

There appear to be at least two options to upgrade the Commission's leachate collection system connection to the public sanitary sewer.

1. Construct a lift station and gravity sanitary sewer along Industrial Park Road from Burgess Avenue to Kittyhawk Avenue. Costs are anticipated to be as updated herein.

2. Eliminate the Industrial Park Road gravity sanitary sewer and allow the Commission to build a leachate force main to the intersection of Industrial Park Road and Burgess Avenue. City cost would be reduced to a gravity sanitary sewer along Burgess Avenue from the UPRR to Industrial Park Road.

RECOMMENDATION: Mayor and City Council consideration and approval to construct a sanitary sewer lift station on the Industrial Park Road Sanitary Sewer project.

RMK:ds

attachment

JOINT PUBLIC IMPROVEMENT AGREEMENT

THIS JOINT PUBLIC IMPROVEMENT AGREEMENT (hereinafter "Agreement") is made and entered into by and between the City of Carroll, Iowa, a municipal corporation organized and existing under the laws of the State of Iowa (hereafter "Carroll"); and the Carroll County Solid Waste Management Commission, a 28E corporation organized and existing under the laws of the State of Iowa (hereinafter "Commission").

WHEREAS, Carroll and the Commission have determined it to be in the best interests of their respective constituencies to cooperate in the joint undertaking of a public improvement project as herein defined; and

WHEREAS, Carroll and the Commission desire to enter into a contract under Chapter 28E, for the purpose of defining their respective rights and obligations in connection with said project;

NOW, THEREFORE, in consideration of the mutual promises and agreements herein contained and upon the following terms and conditions, Carroll and the Commission agree as follows:

1. Purpose. The purpose of this Agreement is to provide for the joint exercise of the respective powers of the parties in connection with the project hereinafter described pursuant to the provisions of Chapter 28E Iowa Code (2015). This Agreement does not create a separate legal entity.

2. Project. The Project is the construction of sanitary sewer from Burgess Avenue at the Union Pacific Railroad to the Commission property. The Project includes two sections as follows:

> Section 1: A 10-inch gravity sanitary sewer and appurtenances extending from Burgess Avenue and the Union Pacific Railroad to Industrial Park Road and Kittyhawk Avenue.
>
> Section 2: A 4-inch forcemain sewer and appurtenances extending from the gravity sanitary sewer at Industrial Park Road and Kittyhawk Avenue to the Commission leachate collection system lift station.

3. Project Cost. The term "project cost" shall mean all costs and expenses reasonably incurred by Carroll and the Commission in connection with the Project.

4. Properties Adjoin. Carroll and the Commission's properties adjoin each other and no additional easements or acquisitions of real property are necessary for the completion of the Project.

5. Project Costs – Source of Funds. Project Costs incurred during the Project shall be paid as provided in paragraph 6, below.

6. Project Financial Responsibilities. The parties shall have the following responsibilities in connection with the Project.

A. Carroll shall pay from its Sewer Utility Fund:

1. Project Section 1 costs:

a. 30% of mobilization costs, estimated to total $25,000.
b. 50% of gravity sewer pipe costs, estimated to total $221,400.
c. 50% of manhole costs, estimated to total $40,000.
d. 30% of any contingency costs, estimated to total $39,580.

2. Project Section 2 costs: none

3. Engineering Design, Survey, Geotechnical, Construction Observation, Administration and Legal Fees: none

The above preliminary costs have been estimated based on current information. Final costs will be updated to reflect actual bid costs, final quantities, and approved change orders.

Carroll and the Commission, jointly, shall publish a notice to bidders as required by Iowa Code §26.3 and 26.7.

Before authorizing the Commission to enter into a contract for the Project, Carroll shall publish a notice of public hearing as required by Iowa Code §362.3, and hold a public hearing to consider and approve the proposed plans, specifications, form of contract, and estimated total cost of the public improvement, as required by Iowa Code §26.12.

B. Commission shall pay from its General Purpose Fund:

1. Project Section 1 costs:

a. 70% of mobilization costs, estimated to total $25,000.
b. 50% of gravity sewer pipe costs, estimated to total $221,400.
c. 50% of manhole costs, estimated to total $40,000.
d. 70% of any contingency costs, estimated to total $39,580.

2. Project Section 2 costs: 100%

3. Engineering Design, Survey, Geotechnical, Construction Observation, Administration and Legal Fees: 100%

The above preliminary costs have been estimated based on current information. Final costs will be updated to reflect actual bid costs, final quantities, and approved change orders.

The Commission and Carroll, jointly, shall publish a notice to bidders as required by Iowa Code §26.3 and 26.7.

Before entering into a contract for the Project, Commission shall publish a notice of public hearing, as required by Iowa Code §362.3, and hold a public hearing to consider and approve the proposed plans, specifications, form of contract, and estimated total cost of the public improvement, as required by Iowa Code §26.12.

7. The Project shall be administered by the Commission Director and supervised by the Commission. The Commission shall invoice Carroll for work completed on a monthly basis. Carroll shall reimburse the Commission for its share of the Project Costs within thirty (30) days of receipt of invoice.

8. Bids. Bids for the Project shall be submitted to the Commission.

9. Award of Contract. After receipt of the bids, Carroll will either reject all bids or determine the lowest responsive, responsible bidder. The Commission will then either reject all bids or determine the lowest responsive, responsible bidder and award the contract. Contract award shall be contingent on each party accepting the same lowest responsive, responsible bid.

10. Project – Timetable. The Project will be commenced on or about May 1, 2016 and shall be substantially completed by October 31, 2016.

11. Agreement – Method of Approval. The Commission and Carroll shall approve this Agreement by Resolution, which Resolutions shall authorize the Mayor and City Clerk of Carroll, and the Chair of the Commission to execute this Agreement.

12. Agreement – Filing with Secretary of State. When this Agreement has been approved by the parties hereto, it shall be filed with the Secretary of State of the State of Iowa in accordance with the provisions of Iowa Code §28E.8 (2015)

13. Agreement – Effective Date. This Agreement shall be effective from and after the date on which this Agreement is approved and executed by the Carroll and the Commission.

14. Agreement – Duration. This Agreement shall be effective from the effective date through the date the Project is completed and terminated.

15. Agreement – Termination. This Agreement shall terminate after the Project has been completed and all Project Costs allocated to each entity under this Agreement have been paid.

16. Agreement – Method of Termination. A party desiring to terminate this Agreement before completion of the Project shall serve a written notice of termination on the other party and this Agreement shall terminate 30 days thereafter.

17. Agreement – Effect of Termination. The termination of this Agreement shall not relieve either party of any obligations or liabilities accrued prior to the effective date of such termination, including but not limited to payment of Project Costs incurred before termination.

18. Notices. Any notice under this Agreement shall be in writing.

Notices to Carroll shall be addressed to:

Laura Schaefer, City Clerk
City of Carroll
112 E 5th
Carroll, IA 51401

Notices to the Commission shall be addressed to:

Mary Wittry, Director
Carroll County Solid Waste Management
19111 Kittyhawk Avenue
Carroll, IA 51401

19. Governing Law. This Agreement shall be governed by, construed and enforced in accordance with the law of the State of Iowa.

20. Entire Agreement. This Agreement contains the entire Agreement between the parties and may not be changed except by an amendment in writing signed by the parties.

21. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed to be an original, but all of which together shall constitute the same instrument.

IN WITNESS WHEREOF, Carroll has caused this Agreement to be approved by Resolution of its City Council and executed in counterparts, each of which shall be considered an original, this 23 day of February, 2016.

CITY OF CARROLL, IOWA

By_____
Eric P. Jensen, Mayor

ATTEST:

By Laura Schaefer
Laura Schaefer, City Clerk

IN WITNESS WHEREOF, the Commission has caused this Agreement to be approved by Resolution and executed in counterparts, each of which shall be considered an original, this _____ day of February, 2016.

CARROLL COUNTY SOLID WASTE
MANAGEMENT COMMISSION

Marty Danzer
Marty Danzer, Chairman

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City of Carroll

112 E. 5th Street Carroll, Iowa 51401-2799 (712) 792-1000 FAX: (712) 792-0139

MEMO TO: Gerald L. Clausen, City Manager

FROM: Randall M. Krauel, Director of Public Works RMK

DATE: February 16, 2016

SUBJECT: Industrial Park Road Sanitary Sewer
Joint Public Improvement Agreement

A Joint Public Improvement Agreement with the Carroll County Solid Waste Management Commission (Commission) for the Industrial Park Road Sanitary Sewer has been prepared and is attached. The project is detailed in the Agreement and generally includes a municipal gravity sanitary sewer along Industrial Park Road and a landfill force main sewer along Kittyhawk Avenue.

Administrative contract procedures are detailed in the Agreement. In general, the Commission will be the contracting authority with the City having review responsibilities.

The project cost share responsibilities, based on estimated costs, are included in the Agreement as follows:

		Commission		City	
	Total Cost	%	Estimated Cost	%	Estimated Cost
Project Section 1 – Gravity Sewer					
Mobilization	$25,000	70	$17,500	30	$7,500
Gravity Sewer Pipe	$221,400	50	$110,700	50	$110,700
Manholes	$40,000	50	20,000	50	$20,000
Contingency	$39,580	70	$27,706	30	$11,874
Subtotal Section 1	$325,980		$175,906		$150,074
Project Section 2 – Force Main Sewer					
	Unknown	100	Unknown	0	$0.00
Engineering Design, Survey, Geotechnical Construction Observation, Administration and Legal Fees					
	Unknown	100	Unknown	0	$0.00

The Commission approved the Agreement on February 16, 2016.

RECOMMENDATION: Mayor and City Council consideration and passage and approval of the Resolution approving the Joint Public Improvement Agreement with the Carroll County Solid Waste Management Commission for the Industrial Park Road Sanitary Sewer Project – 2016.

RMK:ds

attachments (2)

Foth

Memorandum

Foth Infrastructure & Environment, LLC
3950 River Ridge Drive NE, Suite A
Cedar Rapids, IA 52402
(319) 365-9565 • Fax: (319) 365-9631
www.foth.com

June, 7, 2016

TO: Randy Krauel – City of Carroll

CC: Mary Wittry – Carroll County Solid Waste Management Commission, Dan Bacehowski – Foth

FR: Brian Harthun, P.E. - Foth

RE: Updated Sewer Extension Cost Estimate

As requested during our project call on June 6, 2016, Foth is providing the following updated shared cost estimate for the Carroll County Force Main Replacement and Sewer Extension project. The revised estimate includes the cost to install an 8-foot diameter lift station that will enable the City to lower a portion of the gravity sewer to better serve the properties along Industrial Park Lane and potential future expansion north of Highway 30. Items 8 and 9 include the lift station manhole, two-50-gal/min pumps, pump controls and the cost to run electrical and phone service to the lift station for control and monitoring. Larger pump sizes could be specified at a nominal cost increase; however, given the current and near-term expected flows the suggested size will be adequate for maintaining the service, while reducing the likelihood of pump compromise due to over-cycling. Cost for integrating the system into City of Carroll's SCADA system is not included due to the unknown system needs associated with mode of communication, monitoring and control, and City operation.

	Current route forcemain/ shared gravity sewer								
Item	Description	Explanation	Units	Quantity	Unit Price ($)	Extension ($)	Commission	City of Carroll	City Contribution
1	Mobilization	Mobilization/includes supervision/overhead	LS	1	$ 25,000.00	$ 25,000.00	$ 17,500.00	$ 7,500.00	30%
2	4/8" HDPE dual wall Forcemain Installed	Forcemain	LF	2260	$ 40.00	$ 90,400.00	$ 90,400.00		
3	Forceman Manholes	Every 400'	EA	5	$ 4,000.00	$ 20,000.00	$ 20,000.00		
4	12" SDR 26 PVC Gravity Pipe	Gravity Sewer	LF	3075	$ 70.00	$ 215,250.00	$ 107,625.00	$ 107,625.00	50%
5	New Gravity Manholes	Every 400'	EA	8	$ 5,000.00	$ 40,000.00	$ 20,000.00	$ 20,000.00	50%
6	Directional Drilling - 12"	Creek crossing	LF	130	$ 50.00	$ 6,500.00	$ 6,500.00		
7	Manhole Modifications	Receiving manhole	LS	5	$ 1,500.00	$ 7,500.00	$ 7,500.00		
8	Liftstation (less scada)		LS	1	$ 48,000.00	$ 48,000.00		$ 48,000.00	
9	Utility	Phone and Power	LS	1	$ 2,000.00	$ 2,000.00		$ 2,000.00	
10	Restoration/Seeding	Restore and reseed excavation	LS	1	$ 5,000.00	$ 5,000.00	$ 5,000.00		
11	Contingency	Contingency (10%)	LS	1	$ 45,965.00	$ 45,965.00	$ 32,175.50	$ 13,789.50	30%
Total						$ 505,615.00	$ 306,700.50	$ 198,914.50	$ -

Based on the updated estimate and assuming the City proceeds with the installation of the lift station, the updated cost for construction to the City is $198,914.50, not including

SCADA updates. If the City was to design and construct the extension without the cost sharing, the construction cost along with a design, permitting and construction observation and reporting costs (15% of project totals), the total project cost would be $375,520, not including SCADA updates.

The Commission is eager for this project to move forward in a timely and collaborative manner.