



City of Grand Forks Staff Report



Committee of the Whole – February 11, 2019
City Council – February 19, 2019

Agenda Item: Design Engineering and Bidding Services Agreement for City Project 7540, District No. 567 – Oscarville Storm Sewer, Storm Pond, Pump Station, and Discharge Ditch

Submitted by: Engineering Department, Mark S. Walker, PE (Assistant City Engineer)
Jonathan D. Olson, (Project Engineer)

Staff Recommended Action: **Approve Task Order Agreement with WFW Engineering for Design Engineering and Bidding Services in the amount of \$141,837.00 for Project No. 7540, District No. 567 – Oscarville Storm Sewer, Storm Pond, Pump Station, and Discharge Ditch**

Committee Recommended Action: Refer to City Council with recommendation to approve.

Council Action:

BACKGROUND:

This project consists of installing a storm sewer collection system, stormwater pond, pump station, and discharge ditch to serve properties in the Oscarville, Senske, Lemm’s Acres Subdivisions, and a future development north of 27th Ave North. The boundaries of the future development area are currently undefined, but will be finalized as part of this project. The attached district map shows the location of the project.

The Oscarville area has a long history of drainage problems and localized flooding, in part due to the undersized ditches that currently exist and high water table. This project will address these stormwater issues. Except for 42nd Street, there are no paved roads in the area. Property owners have expressed desire for pavement, and this project is a necessary step before paving can occur in the district.

The contract now being considered for approval is for design and bidding services associated with this project. The engineering firm of WFW was chosen for this project from the City’s pre-qualified engineers list. A scope of work and fee was then negotiated.

All costs for this project will be special assessed to the benefitting properties with the exception of a 15% city share of the regional pond construction. Per City policy, the City's participation level for regional stormwater ponds is determined by the drainage area of the pond. The proposed Oscarville pond would serve approximately 87 acres, which corresponds to a maximum 15% City contribution. The City share will be paid for out of Stormwater Fund 5400. Sewer is considered a health/safety infrastructure improvement project and therefore cannot be protested per State law.

ANALYSIS AND FINDINGS OF FACT:

- This Agreement will be based on an hourly not-to-exceed contract amount.
- The hourly rates of this Agreement are comparable to those charged by other local firms.
- All costs for this project, including funding this Agreement, will be special assessed to the benefitting properties, excluding a 15% City share of the regional pond.
- The City share of construction will be paid out of Stormwater Fund 5400.
- The proposed service area has been in need of a storm sewer system for years.
- Property owners in the area have repeatedly requested that the City pave or otherwise improve gravel/dirt roadways in the area which at times become unpassable due to poor drainage.
- Before paving can begin in the district storm sewer must be installed to address drainage of the area.

SUPPORT MATERIALS:

- Proposed Task Order including Consultant Rate Sheet (7 pages)
- Assessment District Map (1 page)

TASK ORDER

This is Task Order No. 7540,
consisting of 3 pages.

Task Order

In accordance with Paragraph 1.01 of the Agreement Between Owner and Engineer for Professional Services – Task Order Edition, dated February 21, 2017 ("Agreement"), Owner and Engineer agree as follows:

1. Background Data

- a. Effective Date of Task Order: February 20, 2019
- b. Owner: City of Grand Forks, North Dakota
- c. Engineer: Webster, Foster & Weston Consulting Engineers, Inc.
- d. Specific Project (title): Oscarville Storm Sewer
- e. Specific Project (description): Design and Bid Phase services for Oscarville Storm Sewer

2. Services of Engineer

- A. The specific services to be provided or furnished by Engineer under this Task Order are:
 - 1. The services (and related terms and conditions) set forth in the following sections of Exhibit A, as attached to the Agreement referred to above, such sections being hereby incorporated by reference:
 - Final Design Phase (Exhibit A, Paragraph A1.03)
 - Bidding or Negotiating Services (Exhibit A, Paragraph A1.04)
- B. All of the services included above comprise Basic Services for purposes of Engineer's compensation under this Task Order.

3. Additional Services

- A. Additional Services that may be authorized or necessary under this Task Order are:
 - 1. Those services (and related terms and conditions) set forth in Paragraph A2.01 of Exhibit A, as attached to the Agreement referred to above, such paragraph being hereby incorporated by reference.

4. Owner's Responsibilities

Owner shall have those responsibilities set forth in Article 2 of the Agreement and in Exhibit B, subject to the following: No Additional

Task Order Form

EJCDC® E-505, Agreement Between Owner and Engineer for Professional Services – Task Order Edition.
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5. Task Order Schedule

In addition to any schedule provisions provided in Exhibit A or elsewhere, the parties shall meet the following schedule:

<u>Party</u>	<u>Action</u>	<u>Schedule</u>
Engineer	Furnish 3 copies of the final Drawings and Specifications, assembled drafts of other Construction Contract Documents, the draft bidding-related documents (or requests for proposals or other construction procurement documents), and any other Final Design Phase deliverables, to Owner.	Within 120 days of Owner's authorization to proceed with Final Design Phase services.

6. Payments to Engineer

A. Owner shall pay Engineer for services rendered under this Task Order as follows:

	Description of Service	Amount	Basis of Compensation
1.	Basic Services (Part 1 of Exhibit A)		
a.	Preliminary and Final Design Phase (A1.02, A1.03)	\$137,166.00	Hourly Rates
b.	Bidding or Negotiating Phase (A1.04)	\$4,671.00	Hourly Rates
	TOTAL COMPENSATION (lines 1.a-b)	\$141,837.00	
2.	Additional Services (Part 2 of Exhibit A)	(N/A)	(N/A)

Compensation items and totals based in whole or in part on Hourly Rates or Direct Labor are estimates only. Engineer may alter the distribution of compensation between individual phases (line items) to be consistent with services actually rendered, but shall not exceed the total compensation amount unless approved in writing by the Owner.

B. The terms of payment are set forth in Article 4 of the Agreement and in the applicable governing provisions of Exhibit C.

7. Consultants retained as of the Effective Date of the Task Order:

Obermiller Nelson Engineering
Advanced Engineering and Environmental Services, Inc.

8. Other Modifications to Agreement and Exhibits: None

9. Attachments:

A. Attachment "A": Estimate of Project Task and Hours.

10. Other Documents Incorporated by Reference: None

11. Terms and Conditions


Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is February 20, 2019.

OWNER: City of Grand Forks, North Dakota

ENGINEER: Webster, Foster & Weston Consulting Engineers, Inc.

By: _____

By:  _____

Print Name: Dr. Michael Brown

Print Name: Dale Bergum

Title: Mayor

Title: President

Attest: _____

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Jonathan Olson

Name: Dale Bergum

Title: Civil Engineer

Title: President

Address: 255 North Fourth Street

Address: 1616 Mill Road

PO Box 5200

Grand Forks, ND 58203

Grand Forks, ND 58206-5200

E-Mail Address: jolson@grandforksgov.com

E-Mail Address: daleb@wfwengineers.com

Phone: 701.746.2643

Phone: 701.775.8118

ATTACHMENT "A"

FOR

TASK ORDER

OSCARVILLE STORM SEWER

TASK ORDER # 7540

WFW PROJECT # 20G416

(Attachment "A": Estimate of Project Task and Hours)



TASKS	PE	SE	RE2	RE1	E2	E1	T5	T4	T3	T2	T1	FA	CA
Meetings With Owner	2	8			4								
Additional Survey		2			4			30	30				
Stormwater Collection System Design	2	30			60			32					
Stormwater Pond Design	2	12			26			4					
Stormwater Ditch Design	2	4			16								
Stormwater Station Design	12	8			30								
Stormwater Management Plan	4	32			80			20					
Hydraulic Model	2	6			12			12					
Coordinate with Electrical and Controls	6							2					
Evaluate and Select Pumps and Controls	6												
Draft Collection System		4			16			40					
Draft Pond		4			4			24					
Draft Ditch		2			4			8					
Draft Station		4			6			24					
Specifications	4	8			40				8				24
Cost Estimates	2	4			8								
Final Review	8	4											
Public Meetings and Preparation	8	24			32			16					
Cost Estimates for Paving Options	4	8			16								
Preliminary Pavement Grades	2	12			24			24					
SUBTOTAL:	66	176	0	0	382	0	0	236	38	0	0	0	24

TASKS	PE	SE	RE2	RE1	E2	E1	T5	T4	T3	T2	T1	FA	CA
Publish Advertisement					2								2
Pre Bid Conference													
Contractor Questions	4				2								
Addenda	2				2								2
Subcontractor/Supplier Questions	2												
Substitutions													
Bid Opening Tabulation	2				2								4
Evaluate Bids Make Recommendations	1												1
Prepare Contract	1												2
Review Contract Documents	2												2
SUBTOTAL:	14	0	0	0	8	0	0	0	0	0	0	0	13



ENGINEERING COST ESTIMATE
SUMMARY

DATE: 1/31/2019
PROJECT NAME: Oscarville Storm Sewer
WFW Project #: 20G416 City Project # 7540

DESIGN PHASE

	HOURS	RATE	TOTAL
PE	66	\$ 185.00	\$ 12,210.00
SE	176	\$ 167.00	\$ 29,392.00
E2	382	\$ 122.00	\$ 46,604.00
T4	236	\$ 135.00	\$ 31,860.00
T3	38	\$ 120.00	\$ 4,560.00
CA	24	\$ 85.00	\$ 2,040.00
ONE Electrical Design			\$ 2,000.00
AE2S Control Design			\$ 8,500.00
SUBTOTAL:			\$ 137,166.00

BID PHASE

	HOURS	RATE	TOTAL
PE	14	\$ 185.00	\$ 2,590.00
SE	0	\$ 167.00	\$ -
E2	8	\$ 122.00	\$ 976.00
T4	0	\$ 135.00	\$ -
T3	0	\$ 120.00	\$ -
CA	13	\$ 85.00	\$ 1,105.00
SUBTOTAL:			\$ 4,671.00

TOTAL CONTRACT (Design and Bid Phases)	\$ 141,837.00
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ENGLISH COULEE
DIVERSION

INTERSTATE NO. 29

BURLINGTON NORTHERN RAILROAD

27TH AVE N

N 44TH ST

N 42ND ST

20TH AVE N



OSCARVILLE STORM SEWER, STORM POND, PUMP STATION, AND DISCHARGE DITCH

LEGEND

PROJECT # 7540

DISTRICT # 567

 ASSESSMENT DISTRICT BOUNDARY

 PROJECT LIMITS

 CITY LIMITS

 FUTURE ASSESSMENT
DISTRICT