

**Maumee Watershed Conservancy District
Hancock County Flood Diversion**

MONTHLY PROGRESS REPORT #37

FOR STANTEC CONSULTING SERVICES INC.

Period Covered:

7-December-2019 thru 27-December-2019

Submitted by:

**Stantec Consulting Services Inc.
4540 Heatherdowns Boulevard, Suite A
Toledo, Ohio 43614**

**Telephone: (419) 380-8910
Fax: (419) 380-8920**

I. Invoice Summary and Project Financial Status

- Invoice 1607448 totaling \$5,513.00 for tasks associated with the Hydraulic Improvements Construction Phase Services (Han. Co. PO No. 1803992), is submitted for consideration. This invoice includes time and expenses applied by Stantec employees.
- Invoice 1607450 totaling \$2,608.00 for tasks associated with the Norfolk Southern Rail Bridge Preliminary Design is submitted for consideration. This invoice includes time and expenses applied by Stantec employees.
- To-date approximately 93.3% of the total authorized funds for the Program have been invoiced.

II. Progress Update, Major Issues and Decisions

Proof of Concept Update

- The Draft Proof of Concept Update report is complete.

Hydraulic Improvement Construction Phase Services:

Bidding Phase Services

- This work is complete.

Construction Engineering Services.

- Submittals;
 - This period there were 0 pending submittals at the start, 0 submittals were received, 0 were reviewed and returned and 0 were pending at the end of the period.
- RFIs;
 - This period there were 0 RFIs pending at the start, 0 RFIs were received, 0 RFIs were reviewed and returned and 0 were pending at the end of the period.
- Change Proposals;
 - This period there were 0 change proposals pending at the start, 0 change proposals were received, 0 change proposals were reviewed and returned and 0 were pending at the end of the period.
- Progress Meetings and Site Visits;
 - A Progress meeting was held on 12/3 and one site visit was performed for CE Services.

RPR Services

- RPR services are on-going.
- TTL remains on-call as-needed if additional PCM is discovered at the site and is performing compaction testing services
- Stantec will provide part-time RPR services as needed for the remainder of construction.
- One site visit was performed for RPR services this period.

Mussel Survey and Relocation

- This work is complete.

LOMR

- A Letter of Map Revision (LOMR) will be completed following completion of Hydraulic Improvements construction.

Public Information & Outreach

- This work is on-going.

- Continued coordination with HART for the addition of documents to Program website (www.HancockCountyFlooding.com) to reflect the addition of program-related documents.
- Continued general monitoring of local media and public relations information.
- The website is live and is being updated regularly.
- Drone videos are being posted to the website quarterly.

Additional Blanchard River Hydraulic Improvements (Additional Benching):

Conceptual Design

- This work is complete.

Technical Memorandum Development and Presentations

- The technical memo has been finalized.
- This work is considered complete pending a public presentation or any additional comments or requests.

Norfolk Southern Rail Bridge – Preliminary Design:

Project Coordination

- This work is on-going.

30% Design Alternatives

- This work is on-going. Draft bridge layouts have been submitted to NS for review. NS review has been delayed due to staff turnover. Preliminary (verbal) comments have been received from NS. Stantec is revising layouts based on NC comments and will resubmit drawings to NS for review next period.

Supplemental Survey

- This work is on-going. Right-of-entry (ROE) verification from NS is required prior to accessing the NS right-of-way (ROW). ROE approval from NS expected next period.

Hydraulic and Hydrology

- This work is complete. Recommendations from hydraulic and hydrology engineers have been provided to bridge engineers regarding the configuration of bridge piers and abutments.

Permitting

- This work is on-going. A matrix of permits that will be required for the project will be developed.

III. Schedule

Task	Proposed Timeline	Current Status	Anticipated Timeline
A. & B. Proof of Concept Report		Complete	
C – Supplemental #1			
C.1 – Wetland Delineation & Habitat Assessment	1/31/2017	Complete	N/A
C.2 – Archaeological Survey	1/31/2017	Complete	N/A
C.3 – Aerial Surveying	12/31/2016	Complete	N/A

Task	Proposed Timeline	Current Status	Anticipated Timeline
D – Hydraulic Improvements (Preliminary Design)			
D.1 – Site Assessment & Survey	7/31/2017	Complete	N/A
D.2 – Cultural and Historic Resources	5/9/2018	Complete	N/A
D.3 – Program Management		Complete	N/A
E – Hydraulic Improvements (Final Design)			
E.1 – Site Assessment & Survey	9/22/2017	Complete	N/A
E.2 – Preliminary Design Report	10/30/2017	Complete	N/A
E.3 – Detailed Design	8/30/2018	Complete	N/A
E.4 – NSRR Coordination	8/30/2018	Complete	N/A
E.5 – Permitting	9/30/2018	Complete	N/A
E.6 – Program Management		Complete	N/A
F – Proof of Concept Update			
F.1 – H&H Model Simulations	4/30/2018	Complete	N/A
F.2 – Data Collection	2/28/2018	Complete	N/A
F.3 – Concept Refinement	2/28/2018	Complete	N/A
F.4 – Updated Economic Analysis	4/30/2018	Complete	N/A
F.5 – Report Preparation	6/30/2018	Draft Proof of Concept Update report is complete.	N/A
F.6 – Program Management		Complete	N/A
G – Construction Phase Services			
G.1 – Bidding Phase Services	9/11/2018	Complete	N/A
G.2 – Construction Engineering Services	2/1/2020	On-going. Schedule extended due to AEP work.	4/1/2020
G.3 – Resident Project Representative (RPR) Services	12/31/2019	On-going. Schedule extended due to AEP work.	4/1/2020
G.4 – Mussel Surveys & Relocation	9/1/2019	Complete	N/A
G.5 – Letter of Map Revision (LOMR)	6/30/2020	To be performed within 6 months following completion of construction	9/30/2020
G.6 – Public Relations and Outreach	12/31/2019	On-Going	12/31/2019
H – Additional Benching			
H.1a – Hydraulic Improvements Conceptual Development	7/3/2019	Complete	N/A
H.1b – Project Alternatives hydraulic Modeling	7/3/2019	Complete	N/A

Task	Proposed Timeline	Current Status	Anticipated Timeline
H.1c – Preliminary Opinion of Probable Construction Cost	7/3/2019	Complete	N/A
H.2a – Technical Memo Development	9/1/2019	Complete	N/A
H.2b – Stakeholder Meeting	7/29/2019 & 10/7/2019	Complete	N/A
H.2c – Public Presentation (If-Authorized)	TBD	Has not commenced	TBD
I – Norfolk Southern Rail Bridge – Preliminary Design			
I.1 – Project Coordination	2/17/2020	On-Going. Delay with NS review.	2/24/2020
I.2 – 30% Design Alternatives	2/17/2020	On-Going. Delay with NS review.	2/24/2020
I.3 – Supplemental Survey	9/13/2019	On-Going, awaiting ROE from NS.	2/7/2020
I.4 – Hydraulic and Hydrology	10/11/2019	Complete	N/A
I.5 – Permitting	1/17/2020	On-Going. Delay with NS review.	2/24/2020

Please contact us should you have any questions or comments. Thank you for the opportunity to be of service.

Respectfully Submitted

STANTEC CONSULTING SERVICES INC.

Derek Dalton, P.E.
Senior Associate
Tel: (419) 380-8910
Fax: (419) 380-8920
derek.dalton@stantec.com

APPROVAL OF PAYMENT:

On behalf of the Maumee Watershed Conservancy District and in accordance with the Memorandum of Agreement, I hereby recommend payment in favor of Stantec Consulting Services Inc. by the Hancock County Commissioners in the amount of

\$_____.

Clark Lynn Army, General Manager

Date

Invoice Number 1607448
Invoice Date January 9, 2020
Purchase Order 174316204
Customer Number 140260
Project Number 174316204

Bill To

Maumee Watershed Conservancy District
 Steve Wilson, Project Manager
 1464 Pinehurst Drive
 Defiance OH 43512
 United States

Please Remit To

Stantec Consulting Services Inc. (SCSI)
 13980 Collections Center Drive
 Chicago IL 60693
 United States

Project	Hancock County Flood Diversion - Phase II Work Plan - Proof of Concept		
Project Manager	Dalton, Derek D	Contract Upset	4,178,814.00
Current Invoice Total (USD)	5,513.00	Amount Billed to Date	3,860,427.76
		For Period Ending	December 27, 2019

Top Task 406 Construction Phase Services

Professional Services

Category/Employee		Current Hours	Rate	Current Amount
	Taylor, Trana L	2.75	100.00	275.00
	Price, Taylor Alexis	33.00	121.00	3,993.00
	Dalton, Derek D	5.00	162.00	810.00
	Subtotal Professional Services	<u>40.75</u>		<u>5,078.00</u>

Disbursements

Direct - Expenses	435.00
Subtotal Disbursements	<u>435.00</u>

Top Task Subtotal	Construction Phase Services	5,513.00
	Total Fees & Disbursements	<u>5,513.00</u>
	INVOICE TOTAL (USD)	5,513.00

Due upon receipt or in accordance with terms of the contract

Invoice Number 1607450
Invoice Date January 9, 2020
Purchase Order 174316204
Customer Number 140260
Project Number 174316204

Bill To

Maumee Watershed Conservancy District
 Steve Wilson, Project Manager
 1464 Pinehurst Drive
 Defiance OH 43512
 United States

Please Remit To

Stantec Consulting Services Inc. (SCSI)
 13980 Collections Center Drive
 Chicago IL 60693
 United States

Project	Hancock County Flood Diversion - Phase II Work Plan - Proof of Concept		
Project Manager	Dalton, Derek D	Contract Upset	4,178,814.00
Current Invoice Total (USD)	2,608.00	Amount Billed to Date	3,863,893.14
		For Period Ending	December 27, 2019

Top Task 409 Norfolk Southern Rail Bridge - Preliminary Design

Professional Services

Category/Employee		Current Hours	Rate	Current Amount
	Wienke, Nelson	10.50	135.00	1,417.50
	Dalton, Derek D	1.00	162.00	162.00
	Raske, Ryan P	2.00	187.00	374.00
	White, Ross M	3.50	187.00	654.50
	Subtotal Professional Services	<u>17.00</u>		<u>2,608.00</u>

Top Task Subtotal Norfolk Southern Rail Bridge - Preliminary Design 2,608.00

Total Fees & Disbursements 2,608.00
INVOICE TOTAL (USD) **2,608.00**

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