

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

MONTHLY PROGRESS REPORT #34

FOR STANTEC CONSULTING SERVICES INC.

Period Covered:

7-September-2019 thru 4-October-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 1578219 totaling \$14,648.41 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 as well as subconsultant invoices from Hart Associates, Inc. (\$262.50) and TTL Associates, Inc. (\$674.00).
- Invoice 1578220 totaling \$1,935.88 for tasks associated with the Additional Blanchard River Hydraulic Improvements (Additional Benching) (Han. Co. PO No. 1903043) is submitted for consideration. This invoice includes time and expenses applied by Stantec.
- Invoice 1578221 totaling \$9,961.16 for tasks associated with the Norfolk Southern Rail Bridge Preliminary Design is submitted for consideration. This invoice includes time and expenses applied by Stantec.
- To-date approximately 90.7% 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 1 pending submittals at the start, 0 submittals were received, 1 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, 1 RFI was received, 1 RFI was 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 proposal were reviewed and returned and 0 were pending at the end of the period.
- Progress Meetings and Site Visits;
 - A progress meeting was held at the project site on 9/24/19 and two site visits 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 provided part-time RPR service on-site during the excavation and in-stream work this period.
- Five site visits were performed for RPR services.

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 draft technical memo was submitted on 7/19/19.
- A stakeholder presentation was held on 7/29/19.
- Follow-up options were evaluated based on comments received during the stakeholder presentation and a second stakeholder presentation was held on 10/7/2019.
- The final technical memo development is on-going and expected to be finalized next period.

Norfolk Southern Rail Bridge – Preliminary Design:

Project Coordination

- This work is on-going. A meeting with NS was held on 9/27/2019.

30% Design Alternatives

- This work is on-going. Draft bridge layouts will be submitted to NS for review.

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).

Hydraulic and Hydrology

- This work is on-going. Recommendations from hydraulic and hydrology engineers will be provided to bridge engineers on 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			

Task	Proposed Timeline	Current Status	Anticipated Timeline
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
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	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

Task	Proposed Timeline	Current Status	Anticipated Timeline
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
H.1c – Preliminary Opinion of Probable Construction Cost	7/3/2019	Complete	N/A
H.2a – Technical Memo Development	9/1/2019	On-Going.	10/15/2019
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	2/17/2020
I.2 – 30% Design Alternatives	2/17/2020	On-Going	2/17/2020
I.3 – Supplemental Survey	9/13/2019	On-going, awaiting ROE from NS.	12/20/2019
I.4 – Hydraulic and Hydrology	10/11/2019	On-Going	N/A
I.5 – Permitting	1/17/2020	On-Going	1/17/2020

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	1578219
Invoice Date	October 25, 2019
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	4,097,814.00
Current Invoice Total (USD)	14,648.41	Amount Billed to Date	3,482,914.34
		For Period Ending	October 4, 2019

Top Task 406 Construction Phase Services
Professional Services

Category/Employee		Current Hours	Rate	Current Amount
	Taylor, Trana L	4.00	100.00	400.00
	Price, Taylor Alexis	85.25	121.00	10,315.25
	Gray, Michelle M (Shelly)	0.50	127.00	63.50
	Uhl III, John N (Nick)	0.75	144.00	108.00
	Dalton, Derek D	14.00	162.00	2,268.00
	Subtotal Professional Services	<u>104.50</u>		<u>13,154.75</u>

Disbursements

Direct - Expenses	557.16
Subtotal Disbursements	<u>557.16</u>

Subconsultants

TTL Associates, Inc.	674.00
Hart Associates, Inc.	262.50
Subtotal Subconsultants	<u>936.50</u>

Top Task Subtotal	Construction Phase Services	14,648.41
Total Fees & Disbursements		<u>14,648.41</u>
INVOICE TOTAL (USD)		14,648.41

Due upon receipt or in accordance with terms of the contract

Invoice Number	1578220
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Project	Hancock County Flood Diversion - Phase II Work Plan - Proof of Concept		
Project Manager	Dalton, Derek D	Contract Upset	4,097,814.00
Current Invoice Total (USD)	1,935.88	Amount Billed to Date For Period Ending	3,484,850.22 October 4, 2019

Top Task	407	Add'l Blanchard River Hydraulic Improvements
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Professional Services

Category/Employee		Current Hours	Rate	Current Amount
	Fan, Rong (Rachel)	2.00	113.00	226.00
	Hayson, David T	5.50	150.00	825.00
	Dalton, Derek D	2.00	162.00	324.00
	Sturdevant, Michael R	2.00	162.00	324.00
	Menninger, John R	1.00	187.00	187.00
	Subtotal Professional Services	<u>12.50</u>		<u>1,886.00</u>

Disbursements

Direct - Expenses	49.88
Subtotal Disbursements	<u>49.88</u>

Top Task Subtotal	Add'l Blanchard River Hydraulic Improvements	1,935.88
Total Fees & Disbursements		<u>1,935.88</u>
INVOICE TOTAL (USD)		1,935.88

Due upon receipt or in accordance with terms of the contract

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Invoice Date	October 25, 2019
Purchase Order	174316204
Customer Number	140260
Project Number	174316204

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Defiance OH 43512
United States

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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	4,097,814.00
Current Invoice Total (USD)	9,961.16	Amount Billed to Date	3,494,811.38
		For Period Ending	October 4, 2019

Top Task	409	Norfolk Southern Rail Bridge - Preliminary Design
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Professional Services

Category/Employee		Current Hours	Rate	Current Amount
	Price, Taylor Alexis	9.00	121.00	1,089.00
	Tolman, Ann Louise	1.00	121.00	121.00
	Davis, Eric S	5.50	135.00	742.50
	Poole, Seth Scott	3.00	135.00	405.00
	Fraga, Victor E	0.75	144.00	108.00
	Hayson, David T	6.75	150.00	1,012.50
	Dalton, Derek D	6.00	162.00	972.00
	White, Ross M	7.25	187.00	1,355.75
	Davis, Gene A	9.25	271.00	2,506.75
	Subtotal Professional Services	48.50		8,312.50

Disbursements

Direct - Expenses	1,648.66
Subtotal Disbursements	1,648.66

Top Task Subtotal	Norfolk Southern Rail Bridge - Preliminary Design	9,961.16
Total Fees & Disbursements		9,961.16
INVOICE TOTAL (USD)		9,961.16

Due upon receipt or in accordance with terms of the contract

HART
811 MADISON AVE.
TOLEDO, OH 43604
419.893.9600

INVOICE

Stantec
Derek Dalton
4540 Heatherdowns Blvd.
Suite A
Toledo, OH 43614

DATE: September 26, 2019
CLIENT: Stantec
Invoice 58237

Findlay Flood Risk Reduction	BUDGET	HRS.	RATE	CURRENT INVOICE	INVOICE TO DATE	% COMPLETE
Public Relations Direction Contact		1.75	\$150.00	\$ 262.50		
	64,200.00			\$ 262.50	\$ 32,323.79	50%
Amount Due				\$ 262.50		

Terms: NET 30



Stantec Consulting
September 24, 2019

Hart Status Report: August 24-September 20

PR Engagement

- Monitor for media coverage regarding the program

INVOICE



1915 N. 12th St., Toledo 43604-5305
T 419.324.2222 F 419.241.1808

Coder: Trana Taylor

Stantec Consulting Services Inc.
Derek Dalton
4540 Heatherdowns Blvd, Ste A
Toledo, OH 43614

Invoice number 1689402-01
Date 10/03/2019

Project **1689402 Blanchard River Hydraulic Imp
- Findlay, OH - CMT - Stantec**

Terms: Net 30 Days

Coimpaction Testing
Blanchard River Hydraulic Improvement
Findlay, Ohio

Labor

Construction Materials Testing

	Hours	Rate	Billed Amount
08/16/2019			
Joseph Gercak			
Material Sampling	2.00	67.00	134.00
Soils Inspection	2.00	67.00	134.00
08/31/2019			
Engineering R. Time			
CMT Report Review-Engineer 1	0.25	152.00	38.00
Labor subtotal	4.25		306.00

Expenses/Lab Testing

Construction Materials Testing

	Date	Units	Rate	Billed Amount
Mileage				
	08/16/2019	100.00	0.95	95.00
Moisture Content Determination				
	08/16/2019	1.00	10.00	10.00
Moisture-Density Relationship Curve (Standard Proctor)				
	08/16/2019	1.00	263.00	263.00
Expenses/Lab Testing subtotal				368.00

Invoice total **674.00**