

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

***MONTHLY PROGRESS REPORT #32***

***FOR STANTEC CONSULTING SERVICES INC.***

**Period Covered:**

**6-July-2019 thru 9-August-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 1549658 totaling \$16,698.43 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 a subconsultant invoice from Hart Associates, Inc. (\$1,046.25).
- Invoice 1549662 totaling \$16,306.73 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.
- To-date approximately 87.3% 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, 2 submittals were received, 2 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, 1 change proposal was received, 0 change proposal were reviewed and returned and 1 was pending at the end of the period.
- Progress Meetings and Site Visits;
  - A progress meeting was held at the project site on 7/30/19 and two site visits performed for CE Services.

#### **RPR Services**

- RPR services are on-going.
- TTL Associates has completed their full-time RPR services as the mass excavation in Zone 1 is complete. TTL will remain on-call as-needed if additional PCM is discovered at the site.
- Stantec provided part-time RPR service on-site during the excavation and in-stream work this period.
- Six 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](http://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 are being evaluated based on comments received during the stakeholder presentation.
- The final technical memo development is on-going.

### **III. Schedule**

<b>Task</b>	<b>Proposed Timeline</b>	<b>Current Status</b>	<b>Anticipated Timeline</b>
<b>A. &amp; B. Proof of Concept Report</b>		Complete	
<b>C – Supplemental #1</b>			
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
<b>D – Hydraulic Improvements (Preliminary Design)</b>			
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
<b>E – Hydraulic Improvements (Final Design)</b>			
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

<b>Task</b>	<b>Proposed Timeline</b>	<b>Current Status</b>	<b>Anticipated Timeline</b>
<b>F – Proof of Concept Update</b>			
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
<b>G – Construction Phase Services</b>			
G.1 – Bidding Phase Services	9/11/2018	Complete	N/A
G.2 – Construction Engineering Services	2/1/2020	On-going	2/1/2020
G.3 – Resident Project Representative (RPR) Services	12/31/2019	On-going	12/31/2019
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	6/30/2020
G.6 – Public Relations and Outreach	12/31/2019	On-Going	12/31/2019
<b>H – Additional Benching</b>			
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	N/A
H.2b – Stakeholder Meeting	9/1/2019	Complete	N/A
H.2c – Public Presentation (If-Authorized)	TBD	Has not commenced	TBD

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](mailto: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 \$\_\_\_\_\_.

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Clark Lynn Army, General Manager                      Date

**Invoice Number** 1549658  
**Invoice Date** August 20, 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

<b>Project</b>	<b>Hancock County Flood Diversion - Phase II Work Plan - Proof of Concept</b>		
Project Manager	Dalton, Derek D	Contract Upset	3,953,325.00
Current Invoice Total (USD)	16,698.43	Amount Billed to Date For Period Ending	3,433,893.20 <b>August 9, 2019</b>

**Top Task 406 Construction Phase Services**

**Professional Services**

Category/Employee	Current Hours	Rate	Current Amount
McClure, Connor Davis	1.00	82.00	82.00
Taylor, Trana L	1.50	89.00	133.50
Johns, Curtis W	2.00	100.00	200.00
Price, Taylor Alexis	95.50	121.00	11,555.50
Gray, Michelle M (Shelly)	1.00	127.00	127.00
Lowry, Eric P	0.50	127.00	63.50
Uhl III, John N (Nick)	0.75	144.00	108.00
Dalton, Derek D	20.00	162.00	3,240.00
<b>Subtotal Professional Services</b>	<u>122.25</u>		<u>15,509.50</u>

**Disbursements**

Direct - Expenses	142.68
<b>Subtotal Disbursements</b>	<u>142.68</u>

**Subconsultants**

Hart Associates, Inc.	1,046.25
<b>Subtotal Subconsultants</b>	<u>1,046.25</u>

Top Task Subtotal	Construction Phase Services	16,698.43
<b>Total Fees &amp; Disbursements</b>		<u>16,698.43</u>
<b>INVOICE TOTAL (USD)</b>		<b>16,698.43</b>

**Due upon receipt or in accordance with terms of the contract**

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**Invoice Date** August 20, 2019  
**Purchase Order** 174316204  
**Customer Number** 140260  
**Project Number** 174316204

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 Chicago IL 60693  
 United States

<b>Project</b>	<b>Hancock County Flood Diversion - Phase II Work Plan - Proof of Concept</b>		
Project Manager	Dalton, Derek D	Contract Upset	3,953,325.00
Current Invoice Total (USD)	16,306.73	Amount Billed to Date For Period Ending	3,450,199.93 <b>August 9, 2019</b>

**Top Task 407 Add'l Blanchard River Hydraulic Improvements**

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Kemper, Lauren	7.00	82.00	574.00
Fan, Rong (Rachel)	15.00	107.00	1,605.00
Sprague, Adam Carl	10.50	127.00	1,333.50
Hayson, David T	55.50	150.00	8,325.00
Dalton, Derek D	14.00	162.00	2,268.00
Menninger, John R	11.00	187.00	2,057.00
<b>Subtotal Professional Services</b>	<u>113.00</u>		<u>16,162.50</u>

**Disbursements**

Direct - Expenses	144.23
<b>Subtotal Disbursements</b>	<u>144.23</u>

Top Task Subtotal	Add'l Blanchard River Hydraulic Improvements	16,306.73
<b>Total Fees &amp; Disbursements</b>		<u>16,306.73</u>
<b>INVOICE TOTAL (USD)</b>		<b>16,306.73</b>

**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:** July 25, 2019  
**CLIENT:** Stantec  
**Invoice** G1588

Findlay Flood Risk Reduction	BUDGET	HRS.	RATE	CURRENT INVOICE	INVOICE TO DATE	% COMPLETE
Public Relations Direction Contact		1.5	\$150.00	\$ 225.00		
Public Relations Coordination		0.75	\$90.00	\$ 67.50		
Account Management		0.5	\$125.00	\$ 62.50		
Software Developer		1.25	\$145.00	\$ 181.25		
Front End Software Developer		3	\$170.00	\$ 510.00		
	<b>64,200.00</b>			<b>\$ 1,046.25</b>	<b>\$ 30,953.79</b>	<b>48%</b>
<b>Amount Due</b>				<b>\$ 1,046.25</b>		

Terms: NET 30





Stantec Consulting  
July 24, 2019

## Hart Status Report: June 22-July 19

### Website Maintenance

- Load drone video files
- Add news stories

### PR Engagement

- Monitor for media coverage regarding the program