

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

MONTHLY PROGRESS REPORT #35

FOR STANTEC CONSULTING SERVICES INC.

Period Covered:

5-October-2019 thru 8-November-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 1592011 totaling \$26,640.83 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 Hoff Consulting Services, LLC (\$576.70), Bockrath & Associates (\$6,737.50) Hart Associates, Inc. (\$794.88) and TTL Associates, Inc. (\$942.25).
- Invoice 1592012 totaling \$3,837.78 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 1592014 totaling \$9,162.25 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 92.5% 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, 2 RFIs were received, 2 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 proposal were reviewed and returned and 0 were pending at the end of the period.
- Progress Meetings and Site Visits;
 - Progress meetings were held on 10/8, 10/22 and 11/5 and three site visits were 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.
- Seven site visits were 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.

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

Task	Proposed Timeline	Current Status	Anticipated Timeline
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. 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			

Task	Proposed Timeline	Current Status	Anticipated Timeline
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	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	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	Complete	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	1592011
Invoice Date	November 27, 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	4,147,814.00
Current Invoice Total (USD)	26,640.83	Amount Billed to Date	3,745,162.82
		For Period Ending	November 8, 2019

Top Task 406 Construction Phase Services
Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Taylor, Trana L	5.00	100.00	500.00
Price, Taylor Alexis	100.00	121.00	12,100.00
Gray, Michelle M (Shelly)	6.00	127.00	762.00
Scheibly, Jonathan F	1.50	144.00	216.00
Uhl III, John N (Nick)	3.25	144.00	468.00
Swindler Jr, James R	2.00	150.00	300.00
Dalton, Derek D	17.00	162.00	2,754.00
Kistner, Eric M	1.50	162.00	243.00
Subtotal Professional Services	<u>136.25</u>		<u>17,343.00</u>

Disbursements

Direct - Expense	246.50
Subtotal Disbursements	<u>246.50</u>

Subconsultants

Bockrath & Associates	6,737.50
TTL Associates, Inc.	942.25
Hoff Consulting Services, LLC	576.70
Hart Associates, Inc.	794.88
Subtotal Subconsultants	<u>9,051.33</u>

Top Task Subtotal	Construction Phase Services	26,640.83
Total Fees & Disbursements		<u>26,640.83</u>
INVOICE TOTAL (USD)		26,640.83

Due upon receipt or in accordance with terms of the contract

Invoice Number	1592012
Invoice Date	November 27, 2019
Purchase Order	174316204
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Project Number	174316204

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Maumee Watershed Conservancy District
Steve Wilson, Project Manager
1464 Pinehurst Drive
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	4,147,814.00
Current Invoice Total (USD)	3,837.78	Amount Billed to Date For Period Ending	3,749,000.60 November 8, 2019

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

Category/Employee		Current Hours	Rate	Current Amount
	Gindling, Kendall	4.00	100.00	400.00
	Hayson, David T	6.50	150.00	975.00
	Dalton, Derek D	4.00	162.00	648.00
	Menninger, John R	9.50	187.00	1,776.50
	Subtotal Professional Services	<u>24.00</u>		<u>3,799.50</u>

Disbursements

Direct - Expense	38.28
Subtotal Disbursements	<u>38.28</u>

Top Task Subtotal	Add'l Blanchard River Hydraulic Improvements	3,837.78
	Total Fees & Disbursements	<u>3,837.78</u>
	INVOICE TOTAL (USD)	3,837.78

Due upon receipt or in accordance with terms of the contract

Invoice Number	1592014
Invoice Date	November 27, 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	4,147,814.00
Current Invoice Total (USD)	9,162.25	Amount Billed to Date	3,758,162.85
		For Period Ending	November 8, 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	2.50	121.00	302.50
	Davis, Eric S	1.00	135.00	135.00
	Wienke, Nelson	8.00	135.00	1,080.00
	Fraga, Victor E	25.00	144.00	3,600.00
	Hayson, David T	2.00	150.00	300.00
	Fleece, William C (Cody)	6.50	156.00	1,014.00
	Dalton, Derek D	5.00	162.00	810.00
	White, Ross M	2.50	187.00	467.50
	Davis, Gene A	0.75	271.00	203.25
	Subtotal Professional Services	<u>53.25</u>		<u>7,912.25</u>

Disbursements

Direct - Expense	1,250.00
Subtotal Disbursements	<u>1,250.00</u>

Top Task Subtotal	Norfolk Southern Rail Bridge - Preliminary Design	9,162.25
Total Fees & Disbursements		<u>9,162.25</u>
INVOICE TOTAL (USD)		9,162.25

Due upon receipt or in accordance with terms of the contract



BILL TO

Stantec Consulting Services
Inc.
4540 Heatherdowns Boulevard
Suite A
Toledo OH 43614-3100 US

INVOICE # 17010

DATE 10/31/2019

DUE DATE 11/30/2019

TERMS Net 30

DESCRIPTION	AMOUNT
Billable Time	
Surveying-Review-GB	55.00
Surveying-Review-GB	55.00
Surveying-Field-JK-gator	1,400.00
Surveying-Review-GB	110.00
Surveying-Review-GB	55.00
Surveying-Review-GB	110.00
Surveying-Review-GB	55.00
Surveying-Review-GB	55.00
Surveying-Review-GB	110.00
Surveying-Drawing-GB	55.00
Surveying-Field-CH	650.00
Surveying-Review-GB	55.00
Surveying-Drawing-GB	110.00
Surveying-Field-CH	910.00
Surveying-Drawing-CH	85.00
Surveying-Drawing-GB	220.00
Surveying-Review-GB	110.00
Surveying-Review-GB	110.00
Surveying-Field-SS	1,040.00
Surveying-Field-CH	1,040.00
Surveying-Drawing-CH	127.50
Surveying-Review-GB	55.00
Surveying-Review-GB	165.00

Interest 1.5% per month or 18% per year
Credit Cards Accepted

PHONE (419) 523-5789
WWW.BOCKRATH-ES.COM

Hancock County Flood Diversion - Bench
Widening
As-Built Survey Services
9-1-19 through 10-31-19

BALANCE DUE

\$6,737.50

Interest 1.5% per month or 18% per year
Credit Cards Accepted

PHONE (419) 523-5789
WWW.BOCKRATH-ES.COM

HART
811 MADISON AVE.
TOLEDO, OH 43604
419.893.9600

INVOICE

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

DATE: October 22, 2019
CLIENT: Stantec
Invoice G1599

Findlay Flood Risk Reduction	BUDGET	HRS.	RATE	CURRENT INVOICE	INVOICE TO DATE	% COMPLETE
Public Relations Direction Contact		1.5	\$150.00	\$ 225.00		
Account Management		2	\$125.00	\$ 250.00		
Project Management		1.5	\$125.00	\$ 187.50		
Software Developer		0.25	\$145.00	\$ 36.25		
Front End Software Developer		0.25	\$170.00	\$ 42.50		
Liquid Web		1	\$53.63	\$ 53.63		
	64,200.00			\$ 794.88	\$ 33,118.67	52%
Amount Due				\$ 794.88		

Terms: NET 30



Liquid Web LLC
2703 Ena Dr.
Lansing, MI 48917-8585, US
800-580-4985 Toll Free
1-517-322-0434 Int.
TAX ID: 38-3423459
EU VAT: 372008531
ZA VAT: 482028321

Account
#282405

Support
Passphrase

New Support
Request

Live
Chat

Contact Support 800-580-
4985

Account Holder

Angela Beardsley
Hart Associates
8714 Royal Oak Dr
Holland, OH 43528-9005

Balance Summary

Pending Charges:	\$0.00
Unused Payments:	\$0.00
Balance Due (USD):	\$0.00

Billing Information

Account:	282405
Last Payment:	September 26, 2019
Next Invoice:	September 28, 2019

Invoice #4740601 (paid)

Invoice Date: September 26, 2019

Due by: September 26, 2019

Service Dates: 09/26/19 - 09/26/19

GlobalSign SSL Domain Certificate: www.hancockcountyflooding.com [M2KUB0]

SSL DV: GlobalSign SSL Domain Certificate	\$ 0.00
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GlobalSign SSL Certificate: 1 Year DomainSSL Certificate	50.00
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SSLCertificateSAN: No SAN domains	0.00
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SSL Certificate AutoRenew: Off	\$ 0.00
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Sub Total:	\$ 50.00
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Total Taxes on Invoice:	\$ 3.63*
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Total Charges on Invoice:	\$ 53.63
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Used Credit Card Payment Created on 2019-09-26	\$ -53.63
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Total Payments for Invoice:	\$ -53.63
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Total Due on Invoice:	\$ 0.00
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* Applicable sales tax has been applied per local, state, and federal regulations.

Liquid Web's Terms of Services found at <https://www.liquidweb.com/about-us/policies/> are incorporated herein by reference.

STC-108



Stantec Consulting
October 22, 2019

Hart Status Report: September 21-October 18

Website Maintenance

- Website updates

PR Engagement

- Monitor for media coverage regarding the program



**HOFF CONSULTING
SERVICES, LLC**

4000 Magnolia Circle
Maumee, OH 43537

(419)466-3343
adam@hoffcsllc.com

Coder: Trana Taylor

INVOICE

BILL TO

Mr. Derek D. Dalton PE
Stantec Consulting Services
Inc.
4540 Heatherdowns Boulevard,
Ste. A
Toledo, Ohio 43614 USA
Attn: Derek D. Dalton, PE

INVOICE # 1091

DATE 10/26/2019

DUE DATE 11/25/2019

TERMS Net 30

PROJECT NUMBER/NAME:

2018_004/HCFRR Hyd. Imps.

CONTRACT AMOUNT:

\$51,250.00

BALANCE REMAINING:

\$30,633.95

DATE	ACTIVITY	STAFF MEMBER	QTY	RATE	AMOUNT
10/26/2019	Professional Services:Professional Services	Adam C. Hoff, PE	3	175.00	525.00
10/26/2019	Direct Expense Mileage	Mileage Expense	94	0.55	51.70

Construction phase services.

BALANCE DUE

\$576.70

Daily hour record is attached.

INVOICE



Coder: Trana Taylor

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

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

Invoice number 1689402-02
Date 10/31/2019

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
09/04/2019			
John H. Rust III			
Report Writing	1.00	152.00	152.00
09/06/2019			
John H. Rust III			
Report Writing	2.00	152.00	304.00
09/27/2019			
Housam B. Abushaban			
Soils Inspection-4 Hr Min	1.00	268.00	268.00
09/30/2019			
Engineering R. Time			
CMT Report Review-Engineer 1	0.50	152.00	76.00
Labor subtotal	4.50		800.00

Expenses/Lab Testing

Construction Materials Testing

	Date	Units	Rate	Billed Amount
Mileage				
	09/27/2019	95.00	0.95	90.25
Nuclear Moisture-Density Gauge Per Day				
	09/27/2019	1.00	52.00	52.00
Expenses/Lab Testing subtotal				142.25

Invoice total **942.25**