

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

MONTHLY PROGRESS REPORT #14

FOR STANTEC CONSULTING SERVICES INC.

Period Covered:

4-November-2017 thru 8-December-2017

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 Number 1293170 totaling \$12,917.75, for the authorized Supplemental Services related to field investigations for permitting and aerial survey (Han. Co. PO No. 01608968), is submitted for consideration. This invoice includes time applied by Stantec staff as well as a subconsultant invoice from Kucera International Inc. (\$10,200.00).
- A second invoice, Invoice 1293171 totaling \$16,476.19 for the preliminary engineering related to the proposed Hydraulic Improvements (Han. Co. PO No. 01703439), is submitted for consideration. This invoice includes subconsultant invoices from The Mannik & Smith Group (\$3,476.19) and Bockrath & Associates (\$13,000.00).
- A third invoice, Invoice 1293172 totaling \$144,944.53 for tasks associated with the detailed design and permitting of the Hydraulic Improvements (Han. Co. PO No. 01705464), is submitted for consideration. This invoice includes time and expenses applied by Stantec staff as well as subconsultant invoices from Bockrath & Associates (\$10,115.00), Hart Associates (\$1,596.42) and Storm Water Engineering (\$3,387.50).
- A fourth invoice, Invoice 1293173 totaling \$36,801.71 for tasks associated with the Proof of Concept Update (Han. Co. PO No. 01707430), is submitted for consideration. This invoice includes time and expenses applied by Stantec staff as well as a subconsultant invoice from Jack Faucett Associates (\$9,800.00).
- The recently authorized efforts for the update of the Proof of Concept Report has increased the overall program budget. To-date approximately 80.3% of the total authorized funds for the Program have been invoiced.

II. Major Issues and Decisions

Proof of Concept

- The original tasks associated with the Proof of Concept Report are completed and no invoicing will occur for those tasks moving forward.

Hydrology & Hydraulics (H&H) Modeling

- Finalized scour analysis on the NS railroad bridge using the 60% preliminary design to confirm design details. Developed a memorandum that has been reviewed and presented Norfolk-Southern for consideration.
- Continued iterative review of fine details within the 60% design development to confirm that the preliminary design parameters and expectations will be retained.

Permitting

- Continued coordination with The Mannik & Smith Group (MSG) for permitting consultation with SHPO related to the Hydraulic Improvements. SHPO has reviewed and provided concurrence with final consultation plan and formal work plan for the additional fieldwork related to the Hydraulic Improvements. The supplemental archaeological surveys at Meeks Court and just west of Swale Park have been completed with minor findings that will not impact the first phase of work at the site. Additional review and coordination will be required as we consider solutions for later stages of improvements.
- Obtained preliminary jurisdictional determination from USACE for the wetland and stream delineations. Continued contact and coordination with the agencies during development and in advance of formally submitting the 404 and 401 applications. The formal applications are anticipated to be submitted to USACE and OEPA by Dec. 22nd.

Aerial & Ground-Based Survey

- Bockrath continued to assist with the acquisition of all deed, survey and plat records, as well collecting specific field data points. Bockrath also prepared preliminary easement boundary descriptions and sketches for use by the District.
- Limits of private property impacts and draft easement descriptions for two (2) parcels have been provided to the MWCD Project Manager to begin contact with local property owners. Bockrath will be creating two (2) additional boundary descriptions for easements as design progresses.
- Bockrath has received the right of entry requested from Norfolk-Southern (NS) to allow detailed survey of the railroad right-of-way through the project area. This effort should be undertaken and completed by the end of January.
- Kucera has completed a significant portion of the post-processing for creation of 0.5-foot contours within the watershed for refinement of prior concepts. Their first deliverable was provided to Stantec in mid-November and a second round should be provided by December 15th. Areas of processing will first focus on the areas of the conceptual storage basins.

Geotechnical & Brownfields

- Development of a Rule 27-13 Permit application and related coordination for construction phase stormwater permitting is on-going and a local meeting will be held with OEPA to review the preliminary draft documents. It is anticipated that the Rule 27-13 application, establishing material handling, sampling and disposal protocols for the floodplain bench areas will be ready to submit to the OEPA in January.

Hydraulic Improvements Preliminary & Final Engineering

- Continued tracking and coordination of utility information gathered from the City of Findlay and local utility companies. Discussions and local meetings to discuss potential impacts to the local sewers within Swale Park ("Brandman Area Sewers") are on-going and will continue to be refined through the 95% plan development.
- AEP provided a preliminary scope and cost for utility pole relocations within the floodplain benching areas. Stantec staff have reviewed potential options and impacts. MWCD staff are continuing conversations regarding a possible resolution.
- The 60% design package was submitted to the MWCD Project Manager on December 8th. Refinement of the design details will continue
- Continued contact with the Norfolk-Southern RR regarding recommended bridge modifications. Additional follow-up will be on-going for the next several months to obtain an estimate for the cost of the anticipated cooperative agreement with NS. Additional contact has been made by the MWCD Project Manager to the NS Railroad Government Affairs Coordinator.

Proof of Concept Update

- Jack Faucett Associates (JFA) has continued update and revision of property and structure impact analyses in anticipation of the revised water surface profiles that may be generated from the new H&H modeling. They have also begun the process of updating the anticipated cost impacts and benefit values in advance of model outputs.
- Applied Weather Associates (AWA) has completed acquiring and processing the radar data for the July 2017 event and have submitted the data to Stantec for use within the updated H&H modeling.
- Geotechnical investigations related to the Proof of Concept Update are complete and no significant surprises or anomalies have been identified. A draft report for these investigations will be provided in January.
- Obtained final information from AWA for the July 2017 rainfall and incorporated data set into HEC-HMS and HEC-RAS models as an additional calibration reference point. Adjusted modeling parameters and examined antecedent conditions to confirm calibration. It is

our belief that the current model is closely calibrated and acceptable to continued refinement of conceptual solutions throughout the watershed.

Public Information & Outreach

- Continued coordination with HART for the addition of documents to Program webpage (www.HancockCountyFlooding.com) to reflect the addition of program-related documents.
- Continued general monitoring of local media and public relations information.
- Began preliminary coordination for a local stakeholder meeting to occur in January.

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	Field Work and Report Complete for Diversion Channel	N/A
C.2 – Archaeological Survey	1/31/2017	Field Work and Report for Diversion Channel Complete for areas East of I75 ~ On Hold	N/A
C.3 – Aerial Surveying	12/31/2016	Aerial Imagery Complete; Processing Required for Hydraulic Improvements Complete and Submitted; Additional processing for the watershed area is currently underway	N/A
D – Hydraulic Improvements (Preliminary Design)			
D.1 – Site Assessment & Survey	7/31/2017	Geotech report complete and submitted; Original field survey scope complete, with additional effort on NSRR ROW forthcoming.	1/31/2018 (delayed due to NS RR)
D.2 – Cultural and Historic Resources	12/31/2017	Coordination with SHPO, USACE and OEPA On-Going; Field work for archaeological survey completed with draft report due in January	1/31/2018 (delayed due to OHPO review)
D.3 – Program Management	On-Going	On-Going	On-Going
E – Hydraulic Improvements (Final Design)			
E.1 – Site Assessment & Survey	9/22/2017	Brownfield data requested and mostly acquired; Local meeting and coordination with OEPA on-going; All results being incorporated into the 95% design package	N/A

Task	Proposed Timeline	Current Status	Anticipated Timeline
E.2 – Preliminary Design Report	10/6/2017	Final report submitted on October 30 th	10/6/2017 (Final Report By 10/31)
E.3 – Detailed Design	3/23/2018	Design iterations underway; Utility coordination on-going; Grading plans and property impacts nearing completion	3/23/2018 (60% design submitted Dec. 15 th)
E.4 – NSRR Coordination	1/12/2018	Concept plan provided to NS, awaiting reply; Follow-up on-going	1/12/2018 (this effort may be prolonged due to lack of response from NS)
E.5 – Permitting	9/30/2018	Wetland delineation submitted and general concurrence from USACE received; 401/404 permits to be submitted by Dec. 22 nd ; Additional coordination with USACE, OEPA, ODNR and USFWS on-going; Final development of Rule 27-13 permit application package underway	9/30/2018 (401/404 Permit Packages to be Submitted in Dec. 2017; Rule 27-13 application in Jan. 2018)
E.6 – Program Management	On-Going	On-Going	On-Going
F – Proof of Concept Update			
F.1 – H&H Model Simulations	4/30/2018	Revised H&H basis report finalized and submitted; Continuing additional review; AWA in data provided for July 2017 event	4/30/2018
F.2 – Data Collection	2/28/2018	Additional LiDAR data processing underway; Soil borings completed; Desktop review of available environmental documents underway	2/28/2018
F.3 – Concept Refinement	2/28/2018	Initial concept refinement has started	2/28/2018
F.4 – Updated Economic Analysis	4/30/2018	Updating impacted parcel listing based upon recent purchases; Updating cost and benefit curves based upon current indices	4/30/2018
F.5 – Report Preparation	6/30/2018	No activity.	6/30/2018
F.6 – Program Management	On-Going	On-Going	On-Going

Respectfully Submitted

STANTEC CONSULTING SERVICES INC.



Adam C. Hoff, P.E.

Principal

Tel: (419) 380-8910

Fax: (419) 380-8920

adam.hoff@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

\$ 211,140.18.

Clark Lynn Army, General Manager

Date

Invoice Number	1293170
Invoice Date	December 13, 2017
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	Hoff, Adam C	Contract Upset	2,875,000.00
Current Invoice Total (USD)	12,917.75	Amount Billed to Date	2,109,214.19
		For Period Ending	December 8, 2017

Top Task	401	Supplemental Task 1			
<u>Professional Services</u>					
Category/Employee			Current Hours	Rate	Current Amount
		Hayson, David T	2.75	133.00	365.75
		Caudill, Erman L	16.00	147.00	2,352.00
		Subtotal Professional Services	<u>18.75</u>		<u>2,717.75</u>
Subconsultants					
		Kucera International Inc.			10,200.00
		Subtotal Subconsultants			<u>10,200.00</u>
Top Task Subtotal	Supplemental Task 1				12,917.75
Total Fees & Disbursements					<u>12,917.75</u>
INVOICE TOTAL (USD)					12,917.75

Due on Receipt

Coder: Trana Taylor

Invoice

KUCERA INTERNATIONAL INC
38133 WESTERN PARKWAY
WILLOUGHBY OHIO 44094-7589

Divisions: HENDERSON AERIAL SURVEY *
KEDDAL AERIAL MAPPING * KUCERA SOUTH

DATE

INVOICE #

12/6/2017

23691

BILL TO

STANTEC CONSULTING SERVICES, INC.
4540 HEATHERDOWNS BLVD.
SUITE A
TOLEDO, OHIO 43614
ADAM C HOFF

SHIP TO

STANTEC CONSULTING SERVICES, INC.
4540 HEATHERDOWNS BLVD.
SUITE A
TOLEDO, OHIO 43614
ADAM C HOFF

P.O. NUMBER	TERMS	REP	SHIP	VIA	F.O.B.	PROJECT
SEE BELOW	NET 30	H	12/30/2017	FTP SITE	DESTINATION	60690
QUANTITY	ITEM CODE	DESCRIPTION			PRICE EACH	AMOUNT
	PRO	PROFESSIONAL SERVICES/ PHOTOGRAMMETRIC SERVICES			0.00	0.00
	LOCATION	FINDLAY, OHIO - FLOOD DIVERSION / RISK REDUCTION			0.00	0.00
		STANTEC SUBCONSULTANT AGREEMENT - 10/16/17 STANTEC REFERENCE 174316204 - HCFRR				
	DTM	HYDRO DTM / LIDAR MAPPING FOR AREAS 1 & 1A 34 SQ.MI. @ @ \$300			10,200.00	10,200.00
		PLEASE NOTE PAYMENT IS DUE ON OR BEFORE 1/6/18 - THANK YOU!				
		LUCAS COUNTY SALES TAX			7.00%	0.00
CORPORATE ACCOUNTING OFFICE 1-800-745-8237					Total	USD 10,200.00

Invoice Number	1293171
Invoice Date	December 13, 2017
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	Hoff, Adam C	Contract Upset	2,875,000.00
Current Invoice Total (USD)	16,476.19	Amount Billed to Date	2,125,690.38
		For Period Ending	December 8, 2017

Top Task	402	Hyd. Imps. Ph 1
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Subconsultants

The Mannik & Smith Group Inc.	3,476.19
Bockrath & Associates	13,000.00
Subtotal Subconsultants	16,476.19

Top Task Subtotal	Hyd. Imps. Ph 1	16,476.19
Total Fees & Disbursements		16,476.19
INVOICE TOTAL (USD)		16,476.19

Due on Receipt

Invoice

1800 Indian Wood Circle
Maumee, Ohio 43537
Tel: (419) 891-2222
Fax: (419) 891-6976

November 06, 2017

Project No: S3410003

Invoice No: MJ0007

Adam Hoff
Principal
Stantec Consulting Services, Inc.
4540 Heatherdowns Blvd.
Suite A
Toledo, OH 43614

Project S3410003 CR Studies, Blanchard River Flood Mitiga

**Authorization: Signed Agreement; Change Order #02****Work Description: See attached work detail.****Professional Services thru October 27, 2017****Professional Personnel**

	Hours	Rate	Amount
Administrative Assistant II			
Braxton, Karen	2.50	45.00	112.50
Cultural Resource Specialist II			
Bauschard, Phillip	16.00	56.00	896.00
Cultural Resource Specialist III			
Hayfield, Kate	6.50	65.00	422.50
Cultural Resource Specialist IV			
Chidester, Robert	15.50	77.00	1,193.50
Cultural Resource Specialist VI			
Johnson, Maura	3.50	109.00	381.50
Technician VI			
Agosti, Bryan	3.50	99.00	346.50
Technician VII			
Isley, Timothy	.25	109.00	27.25
Totals	47.75		3,379.75
Total Labor			3,379.75

Reimbursable Expenses

Other Supplies & Expense		11.84	
Total Reimbursables		11.84	11.84

Standard Expenses

Color Print Copies	60.0 Copies @ 0.90	54.00	
Copies	153.0 Copies @ 0.20	30.60	
Total Standard Expenses		84.60	84.60

Budget

	Current	Prior	To-Date
Total Billings	3,476.19	21,347.50	24,823.69
Budget			40,387.00
Remaining			15,563.31

Total this Invoice \$3,476.19

Stantec: Phase I Hydraulic Improvements



MSG WORK DETAIL: SEPTEMBER 29 – OCTOBER 27, 2017

INVOICE NO.: MJ0007

- Project management – General project/staff oversight.
- Consultation Plan –Final Section 106 Project Summary Form (PSF) and Public Involvement Plan (PIP) were submitted to the SHPO on September 28.
- Work Plan – Address client comments, finalize figures and appendices, produce and submit final work plan to SHPO on October 6.

Invoice Number	1293172
Invoice Date	December 13, 2017
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	Hoff, Adam C	Contract Upset	2,875,000.00
Current Invoice Total (USD)	144,944.53	Amount Billed to Date	2,270,634.91
		For Period Ending	December 8, 2017

Top Task 403 Hydraulic Improvements Design
Professional Services

Category/Employee		Current Hours	Rate	Current Amount
	McClure, Connor Davis	15.50	73.00	1,131.50
	Johns, Curtis W	180.00	80.00	14,400.00
	Taylor, Trana L	14.25	80.00	1,140.00
	Urich, Seth Thomas Yukio	14.00	88.00	1,232.00
	Gupta, Mridula	3.00	95.00	285.00
	Murphy, Mary J	0.50	95.00	47.50
	Price, Taylor Alexis	182.00	101.00	18,382.00
	Seamands, Joseph T (Joey)	157.00	101.00	15,857.00
	Gray, Michelle M (Shelly)	42.50	108.00	4,590.00
	Huston, Davis	50.00	108.00	5,400.00
	Sprague, Adam Carl	3.00	108.00	324.00
	Scheibly, Jonathan F	36.00	125.00	4,500.00
	Sendelbach, Michael A	9.50	125.00	1,187.50
	Hayson, David T	52.50	133.00	6,982.50
	Uhl III, John N (Nick)	64.00	133.00	8,512.00
	Dunlap, Robert D	1.00	140.00	140.00
	Looby, Joseph E (Joe)	11.50	140.00	1,610.00
	Dalton, Derek D	103.00	147.00	15,141.00
	Fleece, William C (Cody)	27.50	147.00	4,042.50
	Serazin, Hallie J	47.00	147.00	6,909.00
	Hoff, Adam C	47.00	177.00	8,319.00
	Ringley, Bryon F	34.50	207.00	7,141.50
Subtotal Professional Services		1,095.25		127,274.00

Disbursements

Direct - Expenses	1,196.61
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Invoice Number	1293172
Invoice Date	December 13, 2017
Purchase Order	174316204
Customer Number	140260
Project Number	174316204

Direct - Testing & Lab Charges	1,375.00
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Subtotal Disbursements	<u>2,571.61</u>
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Subconsultants

Bockrath & Associates	10,115.00
Hart Associates, Inc.	1,596.42
Storm Water Engineering LLC	3,387.50

Subtotal Subconsultants	<u>15,098.92</u>
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Top Task Subtotal	Hydraulic Improvements Design	144,944.53
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Total Fees & Disbursements	<u>144,944.53</u>
INVOICE TOTAL (USD)	144,944.53

Due on Receipt



BILL TO

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

INVOICE # 15016

DATE 11/27/2017

DUE DATE 12/27/2017

TERMS Net 30

ACTIVITY	AMOUNT
Charges	
Other	1,250.00
Subtotal: Charges	1,250.00
Billable Time	
Surveying-Review-GB	105.00
Surveying-Research-Office	195.00
Surveying-Review-GB	52.50
Surveying-Drawing-GB	105.00
Surveying-Review-GB	52.50
Surveying-Drawing-GB	157.50
Surveying-Field-CS	562.50
Surveying-Field-CS	562.50
Surveying-Field-CH	1,062.50
Surveying-Review-GB	52.50
Surveying-Drawing-CH	487.50
Surveying-Drawing-CH	112.50
Surveying-Review-GB	105.00
Surveying-Review-GB	52.50
Surveying-Drawing-CH	450.00
Surveying-Drawing-GB	105.00
Surveying-Drawing-GB	52.50
Surveying-Drawing-CH	450.00
Surveying-Drawing-CH	150.00
Surveying-Drawing-CH	450.00
Surveying-Review-GB	105.00

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

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

ACTIVITY	AMOUNT
Surveying-Drawing-CH	450.00
Surveying-Drawing-CH	187.50
Surveying-Review-GB	105.00
Surveying-Drawing-GB	105.00
Surveying-Review-GB	105.00
Engineering-GB-Meetings	157.50
Surveying-Drawing-GB	52.50
Engineering-GB-Meetings	472.50
Surveying-Research-Office	130.00
Surveying-Drawing-GB	52.50
Surveying-Review-GB	105.00
Surveying-Field-CH	1,187.50
Surveying-Field-JK	1,156.25
Surveying-Review-GB	52.50
Surveying-Review-GB	105.00
Surveying-Field-CH	1,187.50
Surveying-Review-GB	52.50
Surveying-Review-GB	157.50
Surveying-Field-JK	1,187.50
Surveying-Drawing-CH	75.00
Surveying-Research-Office	65.00
Surveying-Review-GB	52.50
Surveying-Research-Office	65.00
Surveying-Drawing-CH	600.00
Surveying-Field-CH	1,250.00
Surveying-Research-Office	65.00
Surveying-Field-CH	1,125.00
Surveying-Drawing-GB	105.00
Surveying-Review-GB	105.00
Surveying-Drawing-CH	600.00
Surveying-Review-GB	52.50
Surveying-Review-GB	210.00
Surveying-Drawing-CH	187.50
Surveying-Review-GB	105.00
Surveying-Drawing-CH	450.00
Surveying-Research-Office	260.00
Surveying-Drawing-GB	105.00
Surveying-Research-Office	32.50
Surveying-Drawing-CH	356.25
Surveying-Review-GB	105.00
Surveying-Review-GB	105.00
Surveying-Drawing-CH	375.00

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

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

ACTIVITY	AMOUNT
Surveying-Drawing-CH	75.00
Surveying-Drawing-GB	105.00
Surveying-Research-Courthouse	552.50
Surveying-Review-GB	105.00
Surveying-Drawing-GB	105.00
Surveying-Drawing-CH	112.50
Surveying-Review-GB	105.00
Surveying-Field-CH	500.00
Surveying-Review-GB	105.00
Surveying-Research-Courthouse	455.00
Surveying-Drawing-CH	337.50
Surveying-Review-GB	52.50
Surveying-Review-GB	52.50
Surveying-Drawing-CH	112.50
Surveying-Review-GB	52.50
Surveying-Drawing-CH	150.00
Subtotal:	21,865.00

16-211 Hancock County / Blanchard River Widening Survey Services 8/25/17 through 11/24/2017	BALANCE DUE	\$23,115.00
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Interest 1.5% per month or 18% per year
Credit Cards Accepted

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



INVOICE

Stantec
Adam Hoff
4540 Heatherdowns Blvd.
Suite A
Toledo, OH 43614

DATE: November 29, 2017
CLIENT: Stantec
Invoice G1453

Findlay Flood Risk Reduction	BUDGET	HRS.	RATE	CURRENT INVOICE	INVOICE TO DATE	% COMPLETE
Public Relations Direction Contact		0.75	\$150.00	\$ 112.50		
Public Relations Coordination		8.25	\$90.00	\$ 742.50		
Public Relations Media		0.25	\$145.00	\$ 36.25		
Principal Direction Management		0.5	\$200.00	\$ 100.00		
Digital Project Coordination		0.75	\$90.00	\$ 67.50		
Content Entry		1.75	\$80.00	\$ 140.00		
Quality Assurance		0.75	\$95.00	\$ 71.25		
Software Developer		0.5	\$145.00	\$ 72.50		
Front End Software Developer		1	\$170.00	\$ 170.00		
Data Analysis		0.25	\$145.00	\$ 36.25		
Sales Tax				\$ 47.67		
	45,865.00			\$ 1,596.42	\$ 35,250.36	77%
Amount Due				\$ 1,596.42		

Terms: NET 30

Hart Status Report: October 26 – November 28, 2017

- Project Management
 - Project status call – Oct. 27 and Nov. 10
 - Future PR planning
- Webpage Management
 - September MWCD meeting minutes upload
 - Hydrology report upload
 - Sediment Sampling memo upload
 - Back end testing and updates
- Media Reporting
 - Monitor news media
 - Monitor social media
 - Pull 13abc news broadcast clip
 - Prepare media report for October

Storm Water Engineering LLC



Coder: Trana Taylor

Invoice

Invoice No.: 2017208		December 4, 2017	
Customer ID: Stantec Consulting Services, Inc			
	Description	Date	Hours
	Participated in Project Conference Call	11/10/2017	1.2
	Participated in Project Conference Call	11/27/2017	0.75
	Print Copy 60% Plans, Reviewed first 15 pages, Summarized	11/29/2017	6.5
	Reviewed 60% Plans Sheets 16-45 and Summarized	11/30/2017	8.5
	Completed Review of 60% Plans, Conference Call w/ Derek	12/01/2017	5.45
	Regarding my Comments		
	Total Hours		22.4

Principal	22.4 Hours	\$150.00	\$3,360.00
Mileage	0 Miles		\$0.00
Expenses	Copies (55 pages)	\$ 0.50	27.50
Total Invoice			\$ 3,387.50

PHONE

7061 Corporate Way Ste 105,
Centerville, OH 45459-8901

937 723 - 0802

Invoice Number	1293173
Invoice Date	December 13, 2017
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	Hoff, Adam C	Contract Upset	2,875,000.00
Current Invoice Total (USD)	36,801.71	Amount Billed to Date	2,307,436.62
		For Period Ending	December 8, 2017

Top Task 404 POC Update
Professional Services

Category/Employee		Current Hours	Rate	Current Amount
Meyers, Christopher S (Chris)		2.00	95.00	190.00
Clark, Ryan P		27.00	101.00	2,727.00
Lopina, Robert E		67.00	101.00	6,767.00
Jones, Katherine R (Ryan)		10.50	108.00	1,134.00
Neupane, Sagar		6.50	108.00	702.00
Sprague, Adam Carl		39.50	108.00	4,266.00
Blakley, Kyle R		14.50	125.00	1,812.50
Hayson, David T		19.75	133.00	2,626.75
Swindler Jr, James R		11.00	133.00	1,463.00
Caudill, Erman L		18.00	147.00	2,646.00
Hoff, Adam C		5.50	177.00	973.50
Harris, Stanley A (Stan)		3.50	236.00	826.00
Subtotal Professional Services		<u>224.75</u>		<u>26,133.75</u>

Disbursements

Direct - Expenses	876.96
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Subtotal Disbursements	<u>867.96</u>
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Subconsultants

Jack Faucett Associates, Inc.	9,800.00
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Subtotal Subconsultants	<u>9,800.00</u>
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Top Task Subtotal	POC Update	36,801.71
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Invoice Number	1293173
Invoice Date	December 13, 2017
Purchase Order	174316204
Customer Number	140260
Project Number	174316204

Total Fees & Disbursements	36,801.71
INVOICE TOTAL (USD)	36,801.71

Due on Receipt

Jack Faucett Associates

4915 Saint Elmo Avenue, Suite 205
 Bethesda, Maryland 20814
 Phone (301) 961-8800 Fax (301) 469-3001 TIN:52-0787743

INVOICE

Date: December 1, 2017

Client: Stantec
 11687 Lebanon Road,
 Cincinnati, Ohio 45241-2012
 Attn: David Haysen
 Email: David.Haysen@stantec.com
 Tel: (513) 842-8214

Contract: Hancock County Flood Flood Risk Reduction, Findlay, Ohio

Contract # Letter Agreement 9/12/2016
 Change Order #1, 12/1/2016
 Change Order #4, 10/16/2017

Invoice Period: Nov-17

JFA Project No.: 783-1&2

Invoice No.: 10

Total Budget:

\$27,500.00	Phase I	
\$100,000.00	Phase II	Change Order #1
\$12,600.00	Modification	Change Order #2
\$5,000.00	Modification	Change Order #3
\$74,570.00	Modification	Change Order #4
<u>\$219,670.00</u>	Total NTE	

Item #	Staff	This Period	Rate	Current Amount Due	Cumulative Amount Billed
1	Michael Lawrence	3	\$ 230.00	\$690.00	\$36,110.00
2	Jon Skolnik	22	\$ 200.00	\$4,400.00	\$54,000.00
3	RA - Ira Silvergielt & Mathies Wahner	38	\$ 120.00	\$4,560.00	\$57,720.00
4	Data Analyst - Alan Hachey	1	\$ 150.00	\$150.00	\$14,700.00
	Misc Costs	Implan Model			\$1,470.00
	Totals			\$9,800.00	\$164,000.00
TOTAL AMOUNT DUE				\$9,800.00	

Balance Unbilled \$55,670.00

Please Remit To:

Note New Address and Banking Information, phone & email unchanged.

Electronic (Preferred Method):

Capital One Bank
 ABA # 065000090
 A/C # 1360659999

Mail: Accounts Receivable
 Jack Faucett Associates, Inc.
 4915 Saint Elmo Ave, #205
 Bethesda, Maryland 20814

Contact:

Michael F. Lawrence, Project Officer
 Tel: 301-961-8835
 Email: lawrence@jfaucett.com