Maumee Watershed Conservancy District Hancock County Flood Diversion

MONTHLY PROGRESS REPORT #15

FOR STANTEC CONSULTING SERVICES INC.

Period Covered:

9-December-2017 thru 29-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 1303339 totaling \$5,500.00, 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 a subconsultant invoice from Kucera International Inc. (\$5,500.00).
- A second invoice, Invoice 1303340 totaling \$11,387.98 for the preliminary engineering related to the proposed Hydraulic Improvements (Han. Co. PO No. 01703439), is submitted for consideration. This invoice includes time applied by Stantec staff as well as subconsultant invoices from The Mannik & Smith Group (\$7,125.48) and Hart Associates, Inc. (\$930.00).
- A third invoice, Invoice 1303341 totaling \$30,811.75 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.
- A fourth invoice, Invoice 1303342 totaling \$29,473.89 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 Kucera International Inc. (\$9,050.00).
- To-date approximately 82.9% 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

- Continued iterative review of fine details in collaboration with the design team for the 60% design development to confirm that the preliminary design parameters and expectations will be retained.
- Began iterative analyses for the Proof of Concept Update related to prior conceptual designs and related impacts.

<u>Permitting</u>

- Continued coordination with The Mannik & Smith Group (MSG) for permitting consultation
 with SHPO 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. The archaeological survey
 report will be provided to SHPO yet in January.
- Submitted the 401 and 404 permit applications to the respective agencies the week of December 18th. A completeness review is currently underway and preliminary contacts and comments have commenced.

Aerial & Ground-Based Survey

- 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 received the right of entry requested from Norfolk-Southern (NS) to allow detailed survey of the railroad right-of-way through the project area and completed the field work the week of January 9th.

Kucera has continued the next stages of aerial survey post-processing for creation of 0.5-foot contours within the watershed for refinement of prior concepts. Their second round of deliverables was provided on December 15th and a third deliverable is due on January 19th. Areas of processing are first focusing 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 was 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 early February.

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 as the permit applications are reviewed by the respective agencies.
- 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.

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.
- 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 yet in January.
- It is our belief that the current model is closely calibrated and acceptable to continued refinement of conceptual solutions throughout the watershed. Stantec modeling staff are currently working through alternative solutions and "cost curves" for comparison of conceptual solutions.

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 late-January, including development of a draft presentation.

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 ~ On Hold	N/A
C.2 – Archaeological Survey	1/31/2017	Field Work and Report for Diversion Channel Complete for areas East of 175 ~ On Hold	N/A
C.3 – Aerial Surveying	12/31/2016	Aerial Imagery Complete; Additional processing for the watershed area is currently underway	N/A
D – Hydraulic Improvements (Preliminary Design)			
D.1 – Site Assessment & Survey	7/31/2017	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 acquired; Local meeting and coordination with OEPA on- going; All results being incorporated into the 95% design package	N/A
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

Task	Proposed Timeline	Current Status	Anticipated Timeline
			of response from NS)
E.5 – Permitting	9/30/2018	401/404 permit submitted; 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	Local presentation planning underway; Efforts are 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 and model is calibrated	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 \$\frac{77,173.62}{\}.

Date

Clark Lynn Army, General Manager



INVOICE Page 1 of 1

Invoice Number1303339Invoice DateJanuary 11, 2018Purchase Order174316204Customer Number140260Project Number174316204

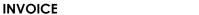
Bill To

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 Hance	ock County Flood Diver	sion - Phase II Work Plan - Pro	of of Concept		
Project Manager		Hoff, Adam C	2,875,000.00		
Current Invoice Total (USD)		5,500.00	Amount Billed to Date	2,312,936.62	
			For Period Ending	December 29, 2017	
Top Task	401	Supplemental Task 1			
Subconsultants					
		Kucera Internatio	Kucera International Inc.		
		Subtotal Subcons	Subtotal Subconsultants		
Top Task Subtot	al Supplemental T	ask 1		5,500.00	
		Total Fees & Disburseme	ents	5,500.00	
INVOICE TOTAL (USD)		5,500.00			
		Due on Recei	pt		



Page 1 of 1



Invoice Number
Invoice Date
Purchase Order
Customer Number
Project Number

1303340 January 11, 2018 174316204 140260 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 Current Invoice Total (USD)		Hoff, Adam C	Contract Upset	t		2,875,000.00
			11,387.98	11,387.98 Amount Billed to Date		2,324,324.60	
				For Period Endi	ng	December 29, 2017	
Top Tas	k	402	Hyd. Imps. Ph 1				
<u>Profession</u>	onal Services	i					
Catego	ry/Employee				Current Hours	Rate	Current Amount
			Taylor, Trana L		1.00	80.00	80.00
			Hayson, David T		0.50	133.00	66.50
			Hoff, Adam C		18.00	177.00	3,186.00
			Subtotal Professio	onal Services	19.50	_	3,332.50
Subcons	sultants						
			The Mannik & Sm	nith Group Inc.			7,125.48
			Hart Associates, I	nc.			930.00
			Subtotal Subcons	ultants		_	8,055.48
Top Task	c Subtotal	Hyd. Imps. Ph 1					11,387.98
			Total Fees & Disburseme	nts			11,387.98
			INVOICE TOTAL (USD)				11,387.98
			Due on Recei	pī			





Invoice Number
Invoice Date
Purchase Order
Customer Number
Project Number

1303341 January 11, 2018 174316204 140260 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 Diver	sion - Phase II Work Plan - Pro	of of Concept		
Project Manager Current Invoice Total (USD)		Hoff, Adam C	Hoff, Adam C Contract Upset		2,875,000.00
		30,811.75	Amount Billed to Date	2,355,136.35	
			For Period Ending	Decen	nber 29, 2017
Top Tas	sk 403	Hydraulic Improvement	s Design		
<u>Profession</u>	onal Services				
			Current		Current
Catego	ry/Employee		Hours	Rate	Amount
		McClure, Connor	Davis 2.00	73.00	146.00

Subtotal Professional Services

	Hours	кате	Amount
McClure, Connor Davis	2.00	73.00	146.00
Bunyon, Michele D	2.50	80.00	200.00
Johns, Curtis W	37.00	80.00	2,960.00
Taylor, Trana L	2.50	80.00	200.00
Dilbone, Elizabeth Kathryn	3.50	88.00	308.00
McNulty, Dillon Albert	1.00	88.00	88.00
Gupta, Mridula	4.00	95.00	380.00
Nietz, Jennifer G	7.50	101.00	757.50
Price, Taylor Alexis	46.00	101.00	4,646.00
Seamands, Joseph T (Joey)	78.50	101.00	7,928.50
Gray, Michelle M (Shelly)	4.75	108.00	513.00
Armstrong, Matthew I (Matthew)	0.50	117.00	58.50
Scheibly, Jonathan F	8.50	125.00	1,062.50
Hayson, David T	4.50	133.00	598.50
Uhl III, John N (Nick)	2.00	133.00	266.00
Dalton, Derek D	19.00	147.00	2,793.00
Fleece, William C (Cody)	17.75	147.00	2,609.25
LaRiviere, Laura Ann	1.25	147.00	183.75
Serazin, Hallie J	8.00	147.00	1,176.00
Hoff, Adam C	3.50	177.00	619.50
Ringley, Bryon F	11.00	207.00	2,277.00

Disbursements

Subtotal Disbursements	1,040.75
Permit Fee	520.00
Direct - Expenses	520.75

265.25

29,771.00



Top Task Subtotal

Hydraulic Improvements Design

Due on Receipt

INVOICE Page 2 of 2

33,61.17
30,811.75
1303341 January 11, 2018 174316204 140260 174316204





Invoice Number Invoice Date Purchase Order Customer Number Project Number 1303342 January 11, 2018 174316204 140260 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 Mo	=	sion - Phase II Work Plan - Pro Hoff, Adam C 29,473.89	·		2,875,000.00 2,384,610.24 December 29, 2017	
Top Task	404	POC Update				
<u>Professional Service</u>	<u>es</u>					
Category/Employe	•			Current Hours	Rate	Current Amount
Calegory/Employe	e	Laboratory Servic	`A'	6,501.30	1.00	6,501.30
		Richardson, Jilliar		4.00	95.00	380.00
		Lopina, Robert E	1741 (5111)	23.00	101.00	2,323.00
		Sova, Troy M		0.50	108.00	54.00
		Sprague, Adam (Carl	43.00	108.00	4,644.00
		Blakley, Kyle R	<i>-</i>	9.00	125.00	1,125.00
		Hayson, David T		10.25	133.00	1,363.25
		Caudill, Erman L		20.00	147.00	2,940.00
		Hoff, Adam C		5.00	177.00	885.00
		Subtotal Profession	onal Services	6,616.05		20,215.55
Disbursements						
		Direct - Expenses				208.34
		Subtotal Disburse	ments		<u> </u>	208.34
Subconsultants						
		Kucera Internatio	onal Inc.			9,050.00
		Subtotal Subcons	ultants		_	9,050.00
Top Task Subtotal	POC Update					29,473.89
-	-	Total Fees & Disburseme	nts			29,473.89
		INVOICE TOTAL (USD)				29,473.89
		Due on Recei	pt			

KUCERA INTERNATIONAL INC 38133 WESTERN PARKWAY WILLOUGHBY OHIO 44094-7589

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

Coder: Trana Taylor

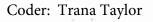
Invoice

DATE	INVOICE#
12/22/2017	23717

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	.В.		PROJECT	
SEE BELOW	NET 30	Н	12/20/2017	FTP SITE	DESTIN	IATION		60690	
QUANTITY	ITEM CODE		DESC	RIPTION		PRICE I	EACH	AMOUNT	
	PRO		SSIONAL SEI OGRAMMETR		S		0.00	0.00	
	LOCATION	RISK R	AY, OHIO - FI EDUCTION		SION /		0.00	0.00	
		STANTEC SUBCONSULTANT AGREEMENT - 10/16/17 STANTEC REFERENCE 174316204 - HCFRR							
	DTM	HYDRO DTM / LIDAR MAPPING FOR AREA 2 - 48.5 SQ.MI. @ \$300			14	,550.00	14,550.00		
			E NOTE PAY		E ON OR				
			EE 1/22/18 - TH S COUNTY SA				7.00%	0.00	
CORPORATE A OFFICE 1-800-						Total		USD 14,550.00	







1300 Indian Wood Circle Maumee, Ohio 43537 Tel: (419) 891-2222 Fax: (419) 891-6978

DEC 1 1 2017

December 04, 2017

Project No:

S3410003

Invoice No:

MJ0008

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, Direction from Adam Hoff via email

Work Description: See attached work detail.

<u>Professional Services thru November 24, 2017</u> Professional Personnel

Cultural Resource Specialist I			Hours	Rate	Amount	
YATES, BILL 24.50 37.00 906.50 Cultural Resource Specialist II 22.50 56.00 1,260.00 Cultural Resource Specialist III 5.50 65.00 357.50 Cultural Resource Specialist IV 5.50 65.00 357.50 Cultural Resource Specialist VI Ochidester, Robert 32.00 77.00 2,464.00 Cultural Resource Specialist VI Johnson, Maura 2.5 109.00 27.25 Environmental Scientist VII Momenee, Michael 2.50 115.00 287.50 Technician VI Agosti, Bryan 50 99.00 49.50 Agosti, Bryan Totals 112.25 6,258.75 Total Labor 6,258.75 6,258.75 Reimbursable Expenses Mileage Lodging / Per Diem	·					
Cultural Resource Specialist III 22.50 56.00 1,260.00 Cultural Resource Specialist III 5.50 65.00 357.50 Cultural Resource Specialist IV 5.50 65.00 357.50 Cultural Resource Specialist IV 32.00 77.00 2,464.00 Cultural Resource Specialist VII 2.50 109.00 27.25 Environmental Scientist VII 2.50 115.00 287.50 Momenee, Michael 2.50 115.00 287.50 Technician VI 50 99.00 49.50 Agosti, Bryan 50 99.00 49.50 Total Labor 112.25 6,258.75 Reimbursable Expenses Mileage 110.98 994.80 Lodging / Per Diem 994.80 10,65.78 Total Reimbursables 1,065.78 1,065.78 Standard Expenses Truck Miles 89.0 Miles @ 0.55 48.95	NEWBUR	N, KATRINA	24.50	37.00	906.50	
Bauschard, Phillip 22.50 56.00 1,260.00 Cultural Resource Specialist III Hayfield, Kate 5.50 65.00 35.00 35.00 35.00 35.00 2,464.00 Cultural Resource Specialist VI Chidester, Robert 32.00 77.00 2,464.00 Cultural Resource Specialist VI Chidester, Robert 32.00 77.00 2,464.00 27.25 Cultural Resource Specialist IV 32.00 77.00 2,464.00 27.25 Environmental Scientist VII Momence, Michael 2.50 115.00 287.50 287.50 387.50 387.50 387.50 387.50 387.50 387.50 387.50 387.50 387.50 387.50 387.50 387.50 387.50 387.50 387.50 387.50 387.50 387.50 387.50 <th< td=""><td colspan="2">YATES, BILL</td><td>24.50</td><td>37.00</td><td>906.50</td><td></td></th<>	YATES, BILL		24.50	37.00	906.50	
Cultural Resource Specialist III Hayfield, Kate 5.50 65.00 357.50 Cultural Resource Specialist IV Chidester, Robert 32.00 77.00 2,464.00 Cultural Resource Specialist VI Ajonson, Maura 2.5 109.00 27.25 Environmental Scientist VII Momenee, Michael 2.50 115.00 287.50 Technician VI Agosti, Bryan 5.0 99.00 49.50 Totals 112.25 6,258.75 Total Labor 6,258.75 Reimbursable Expenses Mileage 110.98 Lodging / Per Diem 954.80 Total Reimbursables Standard Expenses Truck Miles 11/19/2017 PIJ8652 89.0 Miles @ 0.55 48.95	Cultural Resou	ırce Specialist II				
Hayfield, Kate	Bauschard	d, Phillip	22.50	56.00	1,260.00	
Cultural Resource Specialist IV Chidester, Robert 32.00 77.00 2,464.00 Cultural Resource Specialist VI Johnson, Maura 2.5 109.00 27.25 Environmental Scientist VII Momenee, Michael 2.50 115.00 287.50 Technician VI Agosti, Bryan .50 99.00 49.50 Totals 112.25 6,258.75 Total Labor 6,258.75 Reimbursable Expenses Mileage 110.98 Lodging / Per Diem 954.80 Total Reimbursables Standard Expenses Truck Miles 11/19/2017 PIJ8652 89.0 Miles @ 0.55 48.95	Cultural Resou	ırce Specialist III				
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Environmental Scientist VII Momenee, Michael Technician VI Agosti, Bryan Totals Total Labor Reimbursable Expenses Mileage Lodging / Per Diem Total Reimbursables Total Reimbursables Total Reimbursables Standard Expenses Truck Miles 11/19/2017 PIJ8652 R15.00 115.00 287.50 49.00 49.50 6,258.75 6,258.75 6,258.75 112.25 6,258.75 112.25 110.98 110.98 110.98 110.95.78	Cultural Resou	rce Specialist VI				
Momenee, Michael 2.50 115.00 287.50 Technician VI .50 99.00 49.50 Agosti, Bryan .50 99.00 49.50 Totals 112.25 6,258.75 Total Labor 6,258.75 Reimbursable Expenses Mileage 110.98 Lodging / Per Diem 954.80 Total Reimbursables 1,065.78 Standard Expenses Truck Miles 89.0 Miles @ 0.55 48.95	Johnson, I	Maura	.25	109.00	27.25	
Technician VI Agosti, Bryan .50 99.00 49.50 Totals 112.25 6,258.75 Total Labor 6,258.75 Reimbursable Expenses Mileage Lodging / Per Diem 110.98 954.80 Total Reimbursables 1,065.78 1,065.78 Standard Expenses Truck Miles 11/19/2017 PIJ8652 89.0 Miles @ 0.55 48.95	·					
Agosti, Bryan	Momenee, Michael		2.50	115.00	287.50	
Totals 112.25 6,258.75 Total Labor Reimbursable Expenses Mileage 110.98 Lodging / Per Diem 954.80 Total Reimbursables 1,065.78 Standard Expenses Truck Miles 11/19/2017 PIJ8652 89.0 Miles @ 0.55 48.95	Technician VI					
Total Labor 6,258.75 Reimbursable Expenses Mileage Lodging / Per Diem Total Reimbursables 110.98 954.80 1,065.78 Standard Expenses 1,065.78 Truck Miles 11/19/2017 89.0 Miles @ 0.55 48.95	Agosti, Bry	yan	.50	99.00	49.50	
Reimbursable Expenses Mileage 110.98 Lodging / Per Diem 954.80 Total Reimbursables 1,065.78 Standard Expenses Truck Miles 11/19/2017 PIJ8652 89.0 Miles @ 0.55 48.95		Totals	112.25		6,258.75	
Mileage 110.98 Lodging / Per Diem 954.80 Total Reimbursables 1,065.78 Standard Expenses Truck Miles 11/19/2017 PIJ8652 89.0 Miles @ 0.55 48.95		Total Labor				6,258.75
Lodging / Per Diem 954.80 Total Reimbursables 1,065.78 1,065.78 Standard Expenses Truck Miles 11/19/2017 PIJ8652 89.0 Miles @ 0.55 48.95	Reimbursable Exp	penses				
Total Reimbursables 1,065.78 1,065.78 Standard Expenses Truck Miles 11/19/2017 PIJ8652 89.0 Miles @ 0.55 48.95	Mileage				110.98	
Standard Expenses Truck Miles 11/19/2017 PIJ8652 89.0 Miles @ 0.55 48.95	Lodging / Per Diem				954.80	
Truck Miles 11/19/2017 PIJ8652 89.0 Miles @ 0.55 48.95		Total Reimbursables			1,065.78	1,065.78
Truck Miles 11/19/2017 PIJ8652 89.0 Miles @ 0.55 48.95	Standard Expense	es				
11/19/2017 PIJ8652 89.0 Miles @ 0.55 48.95						
		PIJ8652	89.0	Miles @ 0.55	48 95	
		Total Standard Expenses	00.0		48.95	48.95
		. Otta: Otta: a Exponedo			40.00	40.00
Additional Fees	Additional Fees		36			
Unused Per Diem -248.00	Unused Per Diem				-248.00	
Total Additional Fees -248.00 -248.00		Total Additional Fees			-248.00	-248.00

Project	S3410003	CR Studies, Blanchard River F	CR Studies, Blanchard River Flood Mitiga		
Budget		Current	Prior	To-Date	
Total B	Billings	7,373.48	24,823.69	32,197.17	
	udget			46,347.00	
Remaining				14,149.83	
			Total this	Invoice	\$7.125.48

Stantec: Phase I Hydraulic Improvements



MSG WORK DETAIL: OCTOBER 27 - NOVEMBER 24, 2017

INVOICE NO.: MJ0008

Project management – General project/staff oversight.

- Archaeology survey Pre-field mapping and equipment prep. Coordinate OUPS order. Mobilize and complete archaeological fieldwork.
- Architecture survey Site visit for photos and field notes of dam remnants, raw water intake and CSO. View bridge from public ROW.
- Report Collect historic/Sanborn maps.
- Brownfield/Environmental -- Kickoff meeting. Provide technical specs, soil guidance, Rule 13 review.

Coder: Trana Taylor



1915 INDIAN WOOD CIRCLE MAUMEE OH 43537 419.893.9600 WWW.HARTINC.COM

INVOICE

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

DATE: December 28, 2017

CLIENT: Stantec Invoice G1462

Findlay Flood Risk Reduction	BUDGET	HRS.	RATE	CURRE	NT INVOICE	INVOICE TO DATE	% COMPLETE
Public Relations Direction Contact		2	\$150.00	\$	300.00		
Public Relations Coordination		7	\$90.00	\$	630.00		
Sales Tax							
	45,865.00			\$	930.00	\$ 36,180.36	79%
Amount Due				\$	930.00		

Terms: NET 30



Hart Status Report: November 29 – December 27, 2017

- Project Management
 - Project status call Dec. 11
 - Stakeholder meeting planning call Dec. 19
- Media Reporting
 - Monitor news media
 - Monitor social media
 - Prepare media report