

Harbour Rehab
Pan Am Pier, Wharf 405 Gimli, MB
F2470-180003

Addendum No. 1

PAN AM PIER AND WHARF 405 REHABILITATION – GIMLI, MB

Addendum No. 1 Includes:

- Optional Site Visit Agenda
- Revision/Addendum Items to Contract Documents
- Site Visit Questions/Clarifications
- Industry Questions
- Site Visit Attendees
- Testhole No. 1 and No. 2
- New Drawing

OPTIONAL SITE VISIT AGENDA – May 1, 2018 GIMLI

HARBOUR, 10:30AM

1. Introductions and Roles
Eleanor McEwan – SCH Project Manager, Mike Steinborn – SCH Project Manager, Kyla Grabowski – PWGSC Contracting– for technical questions please email Kyla as on the buyandsell.gc.ca posting)
2. PWGSC Sign-In Sheet Circulation
3. Minutes of the meeting will be recorded and given to PWGSC and posted on buyandsell.gc.ca as an addendum
4. Closing date for the project is May 10, 2018 at 14:00, contract end date Sept 30, 2018
5. Anticipated Contract Award – quick award of contract (1 to 2 weeks) unless unforeseen development.
6. Project scope overview as per description of work in Specification, and additional notes to be included as an addendum to the contract:
 - .1 Department of Fisheries and Oceans Canada approvals and permits.
 - .1 FPP approval in place for the sheet pile installation in the spring window. Contractor not required to apply for DFO approvals, no others permits required.
 - .2 Required stages/sequencing:
 - .1 Establish temporary environmental and traffic/pedestrian protection. Discussion to follow regarding lay down/staging plan.
 - .2 Provide temporary access to north float wharves. Pick-up temporary float wharves provided by DFO from Selkirk, Manitoba. Available quantities shown on contract drawings. As per specifications, temporary float plan is to be submitted to SCH for approval. As per laydown detail, debris/dust barrier (temporary/portable, to be accepted by SCH) to be installed along north side of pier to protect north float users and property.
 - Note any temporary floats not required to provide access to floats may be used by contractor as working platforms
 - .3 Remove and salvage dock ramps, signs and miscellaneous items on dock.
 - Discussion to follow regarding floats on south side –
 - Note – see plan of Site Control and Laydown Details attached to Addendum

- .4 Remove steel curbs, edge timber, mechanical piping and appurtenances, large concrete mass, concrete slabs, and ladders as shown on drawings and dispose off site. Unless noted in the drawings to be salvaged, all items to be removed from site.
 - To note, no verification if concrete mass is reinforced.
- .5 Clearing and grubbing as shown on sheet CS-001. Note, specifications regarding 'no work in water between April 15 and June 30' apply to work other than sheet piling.
- .6 Excavation and rock removal to the dimensions indicated on the Drawings. Rip-rap excavated from site which is unsaturated, adequately drained, and deemed suitable by the Departmental Representative shall be used for the north side slope
- .7 New sheet piling and install steel cap channel. Note specifications regarding major work activities over weekends. Note in specifications regarding 'no work in water between April 15 and June 30', however special permissions provided to SCH for installation of sheet piling during this time.
 - Note, 'no sheet piling installation to be undertaken in July and August'. Silt curtain required as indicated on drawing CS-001.
 - Sheet piles are not driven to refusal, rather to set depth as per drawings.
- .8 Place geotextiles, rock fill and granular base material at approach, and rip-rap on slopes. Salvaged Rip Rap to be utilized on North side of approach slopes.
 - Note, in specifications regarding 'no work in water between April 15 and June 30'.
 - Note, change in granular from SCH previous projects. Gradation similar to MI Bridge specifications.
- .9 Place new electrical conduit/electrical work such as new light poles. Spacing to be symmetrical along length of pier.
 - Note base anchor embedment lengths, not to be substituted.
- .10 Place reinforced concrete on approach and deck.
 - Note the variation of thickened edge dimensions, including water pipe trench in approach, light pole and mooring cleat buildouts for anchorage.
- .11 Construct timber curbs. Risers and hardware etc all incidental to curb quantity.
- .12 Install mechanical piping, lights posts and ladders. Reinstall ramp and miscellaneous removed items.
- .13 Remove traffic/pedestrian protection, environmental protection and temporary pedestrian access.
 - Note additional to the specification, removal of temporary north floats and delivery back to Selkirk Coast Guard Yard. Refer to MB invasive species removal regulations.

Wharf 405:

1. Remove and dispose of existing steel curb.
2. Install new steel channel cap.

3. Install new treated timber curb, including incidental hardware and risers.
- .3 Maintain fire access/control.
7. Public Safety and adjacent harbor user interaction– the work area is adjacent to high traffic and tourist sites.
 - ☐ Gimli Yacht Club is the building just north-west of the worksite.
 - i. Contractor to work with GYC and SCH to maintain access to beach for the GYC sailing school during the summer months
 - Note reference in Specification Section 01 11 05 1.4 – Work Schedule for work during the summer months, including long weekends.
 - Note, Canada Day not indicated in specification. Same work hour restrictions will apply on Canada Day long weekend as per August long weekend.
 - Direction not to be taken from anyone on site other than SCH representative.
 - Respectful workplace behaviour required due to proximity of boaters in area.
 - Accommodations required for boat users on north side while work is ongoing.
 - Harbour Hill south west of the jobsite is the location of events for the Icelandic Festival on August Long Weekend
 - Contractor responsible for pedestrian control for work on Wharf 405
8. Lay Down Area – Review site control and laydown details included in this addendum. Note staging area is not 100m from shore and cannot be used for temporary fuel storage.
 - Cost of supply and installation of topsoil and sod in laydown area after construction completion to be included in the Lump Sum amount.
 - Cost of supply, temporary installation and removal of Jersey Barricades and temporary fencing to be included in the Lump Sum amount.
9. Note fluctuation of water levels included in Specification Section 1.24 and potential for severe storms.
10. Site Quality Control by contractor and Quality Assurance by owner. Frequent reviews by the consultant and/or SCH representatives, as identified in the specifications.
 - Note timelines for acceptable notice for site reviews.
 - 3rd party independent testing ie, compaction and concrete will be procured by SCH. Site coordination required between GC and SCH.
11. Note the Contractor Performance Evaluation Report (CPERF), hyper link to review items that will be evaluated during course of construction. GC responsible for own and sub trade performance and will be evaluated as such. Public Works maintains database of cperf results. Failing grades result in contractors being banned for 1 year from bidding on Government of Canada work.

Further review on the performance evaluation is available through the buy and sell web page.

REVISIONS/ADDENDUM ITEMS TO CONTRACT DOCUMENTS:

DRAWINGS:

1. Sheet CS-002, SECTION C – Clarification to be provided in upcoming addendum for concrete deck width.
2. Sheet CS-002, SECTION B – Water pipe to be removed, no pipe on last +/- 30m of pier.
3. Sheet CS-003, LIGHT POLE FOUNDATION – Non-shrink grout thickness to be 25mm.

SPECIFICATIONS:

- Section 01 11 05, Item 1.4.6, Work Schedule – Revise to: No on site work to take place during the July long weekend from 12:00 noon Friday June 29, 2018 until 8:00 AM, Tuesday July 3, 2018, the August long weekend from 12:00 noon Friday August 3, 2018 until 8:00 AM, Tuesday August 7, 2018 and the September long weekend from 12:00 noon Friday August 31, 2018 until 8:00 AM, Tuesday September 4, 2018.
- Section 31 23 33.01, Item 1.5.1, Existing Conditions – 2 Test Hole Logs to be issued in upcoming addendum.
- Section 31 61 13, Item 1.5.1, Existing Conditions – 2 Test Hole Logs to be issued in upcoming addendum.
- Section 31 62 16.13, Item 1.2.1, Measurement Procedures –
- *Revise to: Payment for the supply of steel sheet piling, including steel sheet piling corners and closure plates, will be measured in square meters measured at top of piles by average vertical length of piles installed and left in work.*
- Note: SCH wants a clean cut at top of piles, contractor to determine cut-off allowance and include as incidental to unit price of piling as listed above

SITE VISIT QUESTIONS/CLARIFICATIONS:

- SCH will be posting a photo of the interior of the electrical panel that will be supplying power for the lights
- Any items listed above not posted in this addendum will be posted in a second addendum

INDUSTRY QUESTIONS

1. Is there a walking trail along the water edge, if so what steps need to be taken for safety?
 - See plan of Site Control and Laydown Area for details
2. It would be unsafe to have boats and people within 2 meters of the construction. While construction is going on, will the boats be removed near our construction on the pier?
 - Boats will remain on the north side of the pier, and removed from the south side of the pier per the Site Control and Laydown Area Plan
3. When concrete is being poured with a concrete pump truck the boats will have to be removed by at least 30 meters. How would this be accomplished?
 - This is not a requirement.
4. Can the whole floating dock be setup in a different area of the harbor during main construction and returned for install of waterline?
 - No.
- 01 11 05 1.14 Existing Services .9 Construct barriers to satisfaction of departmental representative?
5. How extensive do the barriers need to be, if boaters are within 2 meters of construction?
 - See plan of Site Control and Laydown Area for details
6. Since some dust can not be avoided during construction, are we expected to wash down each sailboat on a daily basis if present and dusty? And who evaluates the level of dust acceptable?
 - No.

Site Visit Attendees:

- ArmCon Ltd.
- Secure Energy
- Redi-Form Construction Ltd.
- DC Welding
- SCH
- Einarson

PROJECT: Gimli Wharf Surveys and Rehabilitation Design				CLIENT: Dept. of Fisheries and Oceans Canada				TESTHOLE NO: TH16-02					
LOCATION: 14 U - 0642601 m E, 5610665 m N								PROJECT NO.: 60477903					
CONTRACTOR: Maple Leaf Drilling				METHOD: B37X, 225 mm HSA				ELEVATION (m): NA					
SAMPLE TYPE		<input checked="" type="checkbox"/> GRAB		<input type="checkbox"/> SHELBY TUBE		<input checked="" type="checkbox"/> SPLIT SPOON		<input type="checkbox"/> BULK		<input type="checkbox"/> NO RECOVERY		<input type="checkbox"/> CORE	

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE #	SPT (N)	PENETRATION TESTS		UNDRAINED SHEAR STRENGTH		COMMENTS	DEPTH
						* Becker * ◇ Dynamic Cone ◇ ◆ SPT (Standard Pen Test) ◆ (Blows/300mm)		+ Torvane + XQUX □ Lab Vane □ △ Pocket Pen. △ ● Field Vane ●			
						Total Unit Wt (kN/m³) 16 17 18 19 20 21 Plastic MC Liquid					
						20 40 60 80 100 50 100 150 200					
0		GRAVEL - some sand - grey - medium to coarse - frozen									
1											
2			X	S1	0					Refusal - 2 cm penetration after 50 blows, Spoon Recovery 0%	
3		SILT - clayey - dark brown, stiff - low to intermediate plasticity - frozen to 4.6 m									
4			X	S2	12					SPT Blows: [4/4/8], Spoon Recovery 78%	
5		- some gravel, very stiff below 4.6 m									
6			X	S3	22					SPT Blows: [4/11/11], Spoon Recovery 78%	
7				T4						Tube Recovery 38%	
8		SILT (till) - sandy, trace to some clay, trace gravel - tan, compact, moist									
9			X	S5	21					SPT Blows: [6/10/11], Spoon Recovery 89%	
10		SAND (till) - silty, trace to some clay, trace gravel - tan, compact, dry to moist									
11		- moist below 10.7 m									
12			X	S6	22					SPT Blows: [7/12/10], Spoon Recovery 100%	
			X	S7	16					SPT Blows: [8/7/9], Spoon Recovery 50%	

<div style="font-size: 2em; opacity: 0.5; transform: rotate(-30deg); display: inline-block;">DRAFT</div> <div style="font-weight: bold; font-size: 1.5em;">AECOM</div>		LOGGED BY: Tessa Christi		COMPLETION DEPTH: 21.79 m	
		REVIEWED BY: Alex Hill		COMPLETION DATE: 1/6/17	
		PROJECT ENGINEER: Eric Loewen		Page 1 of 2	

LOG OF TEST HOLE DRAFT BOREHOLE LOGS TO REV0.GPJ UMA WNN.GDT 1/9/17

PROJECT: Gimli Wharf Surveys and Rehabilitation Design				CLIENT: Dept. of Fisheries and Oceans Canada				TESTHOLE NO: TH16-02			
LOCATION: 14 U - 0642601 m E, 5610665 m N								PROJECT NO.: 60477903			
CONTRACTOR: Maple Leaf Drilling				METHOD: B37X, 225 mm HSA				ELEVATION (m): NA			
SAMPLE TYPE <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK <input type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE											

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE #	SPT (N)	PENETRATION TESTS	UNDRAINED SHEAR STRENGTH	COMMENTS	DEPTH	
12		- clayey, low to intermediate plasticity below 13.7 m - stiff between 13.7 m and 19.8 m	X	S8	20	◆		SPT Blows: [6/9/11], Spoon Recovery 100%	13	
13										13
14			X	S9	11	◆		SPT Blows: [5/6/5], Spoon Recovery 100%	14	
15										15
16			X	S10	19	◆		SPT Blows: [6/9/10], Spoon Recovery 94%	16	
17			X	S11	15	◆		SPT Blows: [5/7/8], Spoon Recovery 100%	17	
18			X	S12	14	◆		SPT Blows: [6/7/7], Spoon Recovery 100%	18	
19								19		
20		- very stiff below 19.8 m	X	S13	18	◆		SPT Blows: [5/8/10], Spoon Recovery 100%	20	
21									21	
22	X		S14	17	◆		SPT Blows: [5/7/10], Spoon Recovery 100%	22		
23	END OF TEST HOLE AT 21.79 m IN SAND (TILL)								23	
24	Notes: 1. Seepage observed below 20.4 m 2. Hollow stem augers were used to penetrate cobbles - augers advanced slowly but did not encounter refusal. 3. Water to 1.5 m upon removal of auger. 4. Test hole backfilled with bentonite upon completion.								24	

<div style="font-size: 2em; opacity: 0.5; transform: rotate(-15deg); display: inline-block;">DRAFT</div> <div style="font-weight: bold; font-size: 1.5em; margin-top: 10px;">AECOM</div>		LOGGED BY: Tessa Christi REVIEWED BY: Alex Hill PROJECT ENGINEER: Eric Loewen		COMPLETION DEPTH: 21.79 m COMPLETION DATE: 1/6/17	
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PROJECT: Gimli Wharf Surveys and Rehabilitation Design				CLIENT: Dept. of Fisheries and Oceans Canada				TESTHOLE NO: TH16-01			
LOCATION: 14U - 0642581 m E, 5610667 m N								PROJECT NO.: 60477903			
CONTRACTOR: Maple Leaf Drilling				METHOD: Acker MP-5, 225 mm HSA				ELEVATION (m): NA			
SAMPLE TYPE <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK <input type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE											

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE #	SPT (N)	PENETRATION TESTS		UNDRAINED SHEAR STRENGTH		COMMENTS	DEPTH
						Becker * Dynamic Cone SPT (Standard Pen Test) (Blows/300mm) Total Unit Wt (kN/m³)	MC	Lab Vane Pocket Pen. Field Vane	MC		
0		SAND - trace to some gravel, trace to some silt - brown, compact, moist									
1		- dark grey, wet, coarse between 1.2 m and 1.5 m									
2		SILT (Till) - sandy, trace to some gravel, trace to some clay - tan, dense, moist	X	S1	23	◆				SPT Blows: [7/9/14], Spoon Recovery 67%	2
3		- suspected cobble at 3.4 m	X	S2	20	◆				SPT Blows: [6/8/12], Spoon Recovery 72%	3
4		- suspected cobble/boulder at 4.3 m									
5		- some clay pockets (< 25 mm diam.) from 4.6 m to 4.9 m	X	S3	28	◆				SPT Blows: [8/12/16], Spoon Recovery 94%	5
6		SAND (Till) - silty, some clay to clayey, trace to some gravel - tan, dense, moist to wet	X	S4	31	◆				SPT Blows: [8/15/16], Spoon Recovery 44%	6
7		- dry to moist from 7.6 m to 8.2 m	X	S5	36	◆				SPT Blows: [13/15/21], Spoon Recovery 67%	8
8		- auger refusal met at 8.2 m on suspected cobble/boulder - very dense from 8.2 m to 9.1 m - dry from 8.2 m to 13.7 m	X	S6	72	◆				SPT Blows: [20/26/46], Spoon Recovery 56%	9
9		- dense from 9.1 m to 10.7 m	X	S7	46	◆				SPT Blows: [15/19/27], Spoon Recovery 61%	10
10		- very dense from 10.7 m to 12.2 m	X	S8	85	◆				SPT Blows: [22/44/41], Spoon Recovery 72%	11
11											
12											

LOGGED BY: Tessa Christi		COMPLETION DEPTH: 21.79 m	
REVIEWED BY: Alex Hill		COMPLETION DATE: 12/5/16	
PROJECT ENGINEER: Eric Loewen		Page 1 of 2	

LOG OF TEST HOLE DRAFT BOREHOLE LOGS TO REV0.GPJ UMA WINN.GDT 1/9/17

DRAFT

AECOM

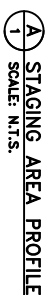
PROJECT: Gimli Wharf Surveys and Rehabilitation Design				CLIENT: Dept. of Fisheries and Oceans Canada				TESTHOLE NO: TH16-01			
LOCATION: 14U - 0642581 m E, 5610667 m N								PROJECT NO.: 60477903			
CONTRACTOR: Maple Leaf Drilling				METHOD: Acker MP-5, 225 mm HSA				ELEVATION (m): NA			
SAMPLE TYPE <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK <input type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE											

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE #	SPT (N)	PENETRATION TESTS	UNDRAINED SHEAR STRENGTH	COMMENTS	DEPTH
12		- dense from 12.2 m to 18.3 m	X	S9	36	◆		SPT Blows: [18/18/18], Spoon Recovery 78%	12
13									13
14		- dry to moist below 13.7 m	X	S10	39	◆		SPT Blows: [10/15/24], Spoon Recovery 33%	14
15									15
16		- clayey, low to intermediate plasticity below 15.2 m	X	S11	35	◆		SPT Blows: [8/16/19], Spoon Recovery 100%	16
17									17
18									18
19		- compact below 18.3 m	X	S13	26	◆		SPT Blows: [6/10/16], Spoon Recovery 100%	19
20									20
21									21
22		END OF TEST HOLE AT 21.79 m IN SAND (TILL)	X	S14	26	◆		SPT Blows: [7/10/16], Spoon Recovery 100%	22
23		Notes: 1. Seepage observed between ground surface and 1.5 m. 2. Auger refusal met at 8.2 m on suspected cobble/boulder. Test hole shifted 2 m North and continued drilling to termination depth. 3. Test hole backfilled with auger cuttings and bentonite upon completion.							23
24									24

		LOGGED BY: Tessa Christi	COMPLETION DEPTH: 21.79 m
		REVIEWED BY: Alex Hill	COMPLETION DATE: 12/5/16
		PROJECT ENGINEER: Eric Loewen	Page 2 of 2

LOG OF TEST HOLE DRAFT BOREHOLE LOGS TO REV0.GPJ UMA WINN.GDT 1/9/17

1. DIMENSIONS AND ELEVATIONS SHOWN ARE IN METERS UNLESS OTHERWISE STATED
2. COORDINATES FOR THE HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 14, USING THE NORTH AMERICAN DATUM OF 1983 (NAD83)
3. ELEVATIONS ARE GIVEN USING THE CANADIAN GEODETIC DATUM OF 1927 (CGVD27)
4. CONTRACTOR WILL NOT BE RESPONSIBLE FOR CONCRETE WALKWAY DAMAGE RESULTING FROM CONSTRUCTION ACTIVITIES INCIDENTAL TO THE PAV M AI PIER WORK SCOPE
5. USE OF THE PROPOSED STAGING/LAYDOWN AREA IS BY THE DISCRETION OF THE CONTRACTOR. THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR NEW SOD/TORSOLL IN THIS AREA IF NOT USED FOR STAGING/LAYDOWN PURPOSES.



DESCRIPTION:
**ADDENDUM – SITE
CONTROL AND LAYDOWN
DETAILS**

LOCATION: GIMLI
MANITOBA