

185913

AMENDMENT NO. 3

CONTRACT NO. 30002642

FOR

On Call Geotechnical Services

Pursuant to Ordinance No. _____

This Contract was made and entered by and between Hart Crowser, Inc., hereinafter called Contractor, and the City of Portland, a municipal corporation of the State of Oregon, by and through its duly authorized representatives, hereinafter called City.

1. Additional work is necessary as described in the attached Exhibit A, Scope of Work and Fee Schedule, as follows:

Geotechnical Services for the South Waterfront Greenway – Central District Improvements project, Phase 1 2013-2014 work including: field inspections and reports, testing and other geotechnical services that are required by the Soils Special Inspections program for the project.

2. Additional compensation is necessary for the additional work and shall not exceed \$26,965.00.

All other terms and conditions shall remain unchanged and in full force and effect.

CONTRACTOR SIGNATURE:

This contract amendment may be signed in two (2) or more counterparts, each of which shall be deemed an original, and which, when taken together, shall constitute one and the same contract amendment.

The parties agree the City and Contractor may conduct this transaction by electronic means, including the use of electronic signatures.

Hart Crowser, Inc.

By: T. W. Blackwood Date: 2-5-2013

Name: Timothy W. Blackwood

Title: Principal

Address: 8910 SW Gemini Dr., Beaverton, OR 97008

Telephone: 503-620-7284

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Contract No. 30002642

Amendment/Change Order No. 3

Contract Title: On-Call Geotechnical Services

CITY OF PORTLAND SIGNATURES:

By: _____
Chief Procurement Officer

Date: _____

By: n/a _____
Elected Official

Date: _____

Approved:

By: _____
Office of City Auditor

Date: _____

Approved as to Form: **APPROVED AS TO FORM**
James H. Van Dyke
By: _____
Office of City Attorney
CITY ATTORNEY

Date: 2/12/13

**HARTCROWSER**www.hartcrowser.com

**EXHIBIT A – SCOPE OF WORK AND FEE SCHEDULE
Additional Geotechnical Construction Monitoring Services
South Waterfront Greenway Park**

February 5, 2013

City of Portland Parks and Recreation
1120 SW 5th Avenue, Room 1302
Portland, Oregon 97204

Hart Crowser Project No. 15926-01

Dear Allison Rouse:

Hart Crowser, Inc. (Hart Crowser) presents this proposed scope of work and fee schedule for additional geotechnical construction monitoring services for the South Waterfront Greenway Park project. Hart Crowser provided geotechnical construction observations for the project during the summer and fall of 2012 under amendments No. 1 and 2 of Contract No. 30002642 with the City of Portland (City). The project work was stopped over the winter and will resume this spring. Sometime in the summer, depending on water levels in the Willamette River, waterfront work will resume, including construction of remaining gabion-type retaining walls and waterfront grading. Hart Crowser will provide the remaining geotechnical construction observations required per the City's Soils Special Inspection Program Checksheet and the project specifications. The remaining inspections generally include the following:

- Grading, Site Preparation, and AC Pavements
- Fill Placement and Compaction
- Shallow Foundation Subgrade Preparation
- Mechanically Stabilized Earth (MSE) Retaining Walls



South Waterfront Greenway Park - CM
February 5, 2013

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In preparing this proposal, the contractor's schedule is not firm yet; however, they will begin in summer or early fall and complete the work in late fall/early winter. Based on this approximate schedule and our understanding of the project, the following scope of services is proposed:

1. Attend a project Phase II pre-construction meeting.
2. Provide geotechnical project management, including communication with team members, scheduling site visits, and other tasks.
3. Provide site geotechnical construction observations as required by the City and project specifications to include the following:
 - Grading, Site Preparation, and AC Pavements – Observe site stripping, temporary and permanent slopes, and other design grading requirements. Conduct density testing on AC pavements.
 - Fill placement and compaction – Review material submittals for compliance with project requirements, approve fill subgrades, and conduct in-place density testing or performance testing, as appropriate.
 - Shallow Foundations – Observe foundation subgrades for gravity walls and small structures supported at grade.
 - MSE Walls – Conduct testing for geotechnical components of MSE walls, including grid type and lengths, retaining wall fills, compaction, and drainage requirements.
4. Conduct laboratory tests on submitted material samples, including gradation, percent fines, and maximum density tests, in general accordance with ASTM standards.
5. Respond to requests from the design and construction team.
6. Complete field reports for each visit and provide copies to the design and construction team and the City.
7. Attend meetings as requested.
8. Provide a final letter of compliance for geotechnical elements of construction.

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The following table summarizes the testing to be conducted and our proposed effort for this testing.

Type of Observation	Estimated Duration	Frequency of Visits	Part-time	Full-time
Site Prep, Grading, AC	3 months	Weekly	12	
Fill & Compaction	3 months	Weekly	12	
Foundation Subgrade	Intermittent	Intermittent	6	
MSE (Gabion and Vault) Walls	2 months	Weekly	8	
Total			38	0

The professional services listed above will be provided in accordance with Amendment No. 3 to be issued against our on-call contract with Portland Parks and Recreation. The table above provides the number of visits we have budgeted, based on the current schedule. The attached spreadsheet summarizes our fees for the above visits, as well as project management, laboratory testing, final letters of compliance, and services from winter 2012/2013. For the scope of work noted above we calculate fees of approximately \$26,965, per the attached Fee Schedule.

We appreciate this opportunity to submit this proposal and look forward continuing to assist you on this project. If we may provide additional information or clarification of this proposal, please call us.

Sincerely,

HART CROWSER, INC.



TIMOTHY W. BLACKWOOD, PE, GE, CEG
Principal

Attachment: Fee Schedule

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EXHIBIT A - FEE SCHEDULE

Budgeted Visits		
Task	Full-time visits	Part-time visits
Grading/Site Prep/AC	0	12
Fill and Compaction	0	12
Foundation Subgrade	0	6
MSE Walls	0	8
Total Visits	0	38

Client:	Portland Parks	Job #	South Waterfront		
Task	Item	Units	Rate	Ext Price	Subtotal
Full time Visit	Principal	0 hr	\$ 140	\$ -	
	Project	0.5 hr	\$ 120	\$ 60	
	Staff	8 hr	\$ 95	\$ 760	
	Project Assistant	0.5 hr	\$ 45	\$ 23	
	Mileage	0 mi	\$ 0.60	\$ -	
	Field Expenses	1 dy	\$ 40	\$ 40	
		Subtotal			
Part time Visit	Principal	0 hr	\$ 145	\$ -	
	Project	0.5 hr	\$ 120	\$ 60	
	Staff	3.5 hr	\$ 95	\$ 333	
	Project Assistant	0.5 hr	\$ 45	\$ 23	
	Mileage	0 mi	\$ 0.60	\$ -	
	Field Expenses	0.5 dy	\$ 40	\$ 20	
		Subtotal			
Laboratory	Proctor	5 ea	\$ 225	\$ 1,125	
	Atterberg	0 ea	\$ 135	\$ -	
	Seive	4 ea	\$ 75	\$ 300	
	Hydrometer	3 ea	\$ 150	\$ 450	
	Consolidation	0 ea	\$ 300	\$ -	
	Organic	0 ea	\$ 70	\$ -	
	Subcontracted	2 ea	\$ 300	\$ 600	
		Subtotal			
Pre-con meeting, PM, Final, etc.	Principal	6 hr	\$ 145	\$ 870	
	Project	6 hr	\$ 120	\$ 720	
	Staff	2 hr	\$ 95	\$ 190	
	CAD Operator	0 hr	\$ 70	\$ -	
	Project Assistant	4 hr	\$ 45	\$ 180	
	Mileage	0 0	\$ 0.60	\$ -	
		Subtotal			
Winter 2012/2013 Services	Services to date	1 ea	\$ 6,000	\$ 6,000	
		Subtotal			\$ 6,000
Total Fee					\$ 26,965