



HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

AMENDMENT

Contract: West Oahu Station Group Final Design

Amendment No.: 00010

Contractor: URS Corporation

Contract No.: SC-HRT-1200116

Commencement Date: 6/15/12 Original Contract Time (Days): 1614 Original Completion: 11/14/2016

DESCRIPTION OF WORK:

This amendment is for:

RFCR 00003 General Excise Tax Credit

Impacts to the firm-fixed price contract resultant from the repeal of Act 105 on June 30, 2013. Act 105 had previously suspended numerous General Excise and Use Tax exemptions, exclusions, and deductions.

RFCC 00016 Temporary Parking Lot Near UHWO

Activities will include:

Working with HART, conduct an initial discussion of the parking lot layout with UH representatives.

CHANGES INCLUDED IN AMENDMENT				
Type	Number	Description	Cost	Time Change
RFCC	00019	UHWO & Hoopili Sewage Holding Tanks	\$35,000.00	0
RFCC	00016	Temporary Parking Lot Near UHWO	\$41,195.00	0
RFCC	00014	Addition of Bike Ramps to WOSG Sta	\$32,470.00	0
RFCR	00003	General Excise Tax Credit	(\$6,367.00)	0
Total Amount This Amendment No. 00010			\$102,298.00	0

The Original Contract Sum	\$7,789,000.00
Net Change by Previously Authorized Requests and Changes	\$1,473,805.27
The Contract Sum Prior to This Amendment	\$9,262,805.27
The Contract Sum Will Not be Changed	\$0.00
The New Contract Sum Including This Amendment	\$9,262,805.27
The Contract Time Will Not Be Changed	
The Revised Date of Substantial Completion as of this Amendment	06/21/2017

Computed and Checked:

1. Chrysel 10/2/14
HART Project Manager

Approved:

2. [Signature] 10-9-14
Contractor

Approved:

3. [Signature]
HART Officer In Charge

Certify Availability of Funds:

4. [Signature] 10/15/14
HART Fiscal Officer

Approved as to form and legality:

5. [Signature] 10/28/14
Deputy Corporation Counsel

Approved:

6. [Signature]
HART Executive Director & CEO
10/24/14
HART Execution Date

CM 10/23/14



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Working with HART, conduct an initial discussion of the parking lot layout with the Bus and DTS, to understand circulation requirements and operational preferences.

Conduct a geotechnical investigation of the site, including 7 boreholes to a depth of 5 feet, and conduct lab tests in accordance with the Geotechnical Planning Report for UH West Oahu Station. Document the technical information in a separate Geotechnical Data Report for the parking lot.

Conduct a topographical survey of the site to the same standard as the surveys conducted for the WOSG stations, including GPR and potholing if required.

Conduct initial discussions with authorities having jurisdiction to understand drainage water quantity and water quality requirements in the vicinity of parking facility.

Coordinate with the parking lot designer to identify parking lot power needs for incorporation into the station electrical distribution panel.

Coordinate with the parking lot designer to identify parking lot drainage needs for incorporation into the station drainage plans, if required.

Coordinate with the parking lot designer to identify parking lot irrigation needs for incorporation into the station irrigation plans.

Coordinate with the parking lot designer to identify parking lot security needs for incorporation into the CSC conduits included in the station design.

Update BOD Report to reflect items coordinated with the temporary park-and-ride facility.

Assumptions:

The design of the temporary park-and-ride facility is to be completed by HART's internal resources; this scope of work is to provide technical input to the design, to assist HART in the initial tasks, and to incorporate any necessary coordination into the UH West Oahu Station design.

Stormwater runoff will be drained utilizing sheet flow to landscape, and drainage structures as needed. Drainage structures will be connected to the proposed drainage system along University Campus Road "B," to be constructed by others.

Site access will be provided in a timely manner for both topographical and geotechnical investigations.

It will be possible to complete the 7 geotechnical borings required for the temporary park-and-ride during the same site mobilization period as the geotechnical borings already planned for the adjacent station.

If changes are required to the WOSG specifications in order to support the parking lot design, those changes will be prepared by others and provided to URS for incorporation into the WOSG documents.

Deliverables will include:

Topographical survey results

Geotechnical field work and geotechnical data report

Documentation of preliminary meetings with UH, HART and local authorities to establish requirements for the new parking lot

Modifications to station design as required to support the new parking lot, such as accommodation of power in the Station panels, and provision of conduit for security cameras

RFCC 00019 UHWO & Hoopili Sewage Holding Tanks

Activities will include:

Conduct review of available drawings, calculations, analysis and reports.

Prepare calculations to establish size requirements.

Prepare final design of the holding tanks at UH West Oahu and Hoopili Stations, including a provision for future permanent conversion to a sanitary sewer.

Update engineer's cost estimate to reflect the design changes.

Prepare submittal of final design construction drawings to DOH for review and approval. Up to two revisions of the design based on DOH review will be prepared including revisions to all materials.

Presentation by URS of the analysis results and design to HART.

Assumptions:

Design to be based on similar design prepared as part of the Airport Station Group Design, and provided to URS by HART.

HART will provide the signed Owner's Certification Form, Operations and Maintenance Manual, Sludge Disposal Plan, and the maintenance contracts for the units, as required by the IWS permit.

No additional field survey will be required.

DOH review and approval - one submittal and resubmittal for approval.

HART/GEC input to the design will be provided in a timely manner; consolidated review comments will be provided to URS within one week.

Deliverables will include:

One intermediate submittal to obtain HART feedback, and

Individual Wastewater System (IWS) permit application form, which will include the items listed on the Department of Health (DOH) - Wastewater Branch Requirements for Review Process of IWS.

FD submittal to be incorporated into the UH West Oahu FD submittal and the overall WOSG construction package if possible, or alternatively as an addendum.

Reports providing results for the holding tank size calculations.

Updates to WOSG Common Drawings and Civil Engineering drawings for UH West Oahu and Hoopili Stations to include the Scope items described herein.



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This Contract Amendment is for the preparation of drawings reflecting the addition of bike ramps to stairs at East Kapolei, UH West Oahu and Hoopili Stations under the WOSG Final Design contract.

Assumptions:

In preparing the scope and estimating resource requirements for this work, the Consultant made the following assumptions:
This work will not impact the Interface Management process.

The design will be developed in accordance with the CDC, NFPA 130 and ADA requirements.
HART understands that the bike ramps may encroach into the stairs in the area directly underneath the handrail.
As confirmed by HART, local Building Code interpretation allows that as long as the intrusion into the stair is less than or equal to 4.5 inches, it is not deemed to affect exiting width.
DCAB has reviewed the concept for the bike ramp design and accepted in principle that it will not impact DCAB's acceptance of the station designs.
Bike ramps will be terminated one tread depth beyond the top and bottom riser of each stair; as a result, cyclists will be required to lift their bikes to reach the bike ramp at the next flight of stairs.
HART will provide directive drawings for concrete stairs and work with URS to develop a steel version of the bike ramp detail.
Additional signage may be required to direct bike users to stairs equipped with bicycle ramps.
No changes to the stairs are to be included in this scope of work other than the inclusion of the bicycle ramps and any modifications required to provide a workable design. Such changes will be minor in nature and will not impact overall stair widths or structural designs.
If structural alterations, such as an increase to stair opening width, are required, such alterations would be outside the scope of this RFCC.
No changes to electrical, mechanical or structural designs will be required as a result of the addition of bike ramps to the selected stairs.
The Hoopili Station Stair bike ramp additions will be incorporated into the drawings concurrently with the stair modifications to be developed under RFCC 00022 Hoopili Grading.
Concrete and steel bike ramp details will be reviewed with HART at a design coordination meeting and accepted in principle prior to preparation of the formal deliverable package. Any comments or requested changes after acceptance, that are contrary to the concepts already approved by HART, will be considered a change.

Scope of Work:

Review the HART sketches containing typical details for bike ramp design, applicable to concrete stairs.
Update affected architectural and structural stair plans, elevations and stair details. Station drawings where the bike ramp is too small to be shown are not revised, including reference to the new or revised stair details.
Provide a cost estimate for the addition of the bike ramps.
Update the BODs.
Perform Quality reviews in accordance with the QAP.

Deliverables:

Final deliverables will include:
Updated architectural and structural plans, elevations and details depicting stairway bike ramps at UH West Oahu, East Kapolei and Hoopili Stations, configured for inclusion in a change order;
Additional architectural common detail sheet, to be based on HART directive drawings.
Updated BODs.

By execution of this Amendment No. 00010, the Consultant acknowledges and agrees that the price adjustment set forth on this Amendment No. 00010 represents equitable compensation for any and all changes and additions to the scope of work described herein. Said price adjustment shall be in complete satisfaction of any and all claims by the Consultant, its subcontractors and suppliers, or by anyone claiming by, through or under the Consultant for any increased compensation or damages, to person or property, arising out of said changes and additions being made to the scope of work. The Consultant further agrees to defend, indemnify, and hold the HART harmless against any and all such claims.

For and in consideration of the amount of ONE HUNDRED TWO THOUSAND TWO HUNDRED NINETY EIGHT AND 00/100 DOLLARS (\$102,298.00) for this Amendment No. 00010, the Consultant hereby releases, acquits, and forever discharges the HART from and on account of any and all claims referred to

BASIS OF PAYMENT

Payment for this Change Order will be made in accordance with the following Schedule of Milestone

Milestone Title	Milestone Code	Activity ID	Unit Value	Qty	Units	SM Value (\$)
RFRCR 00003 GET Credit	BB.01.22.00.80.02	CO.116.00010.001	(\$6,367.00)	1	LS	(\$6,367.00)
RFCC 00016 Temp Pkg Lot Near UHWO	B2.01.22.00.80.02	CO.116.00010.002	\$41,195.00	1	LS	\$41,195.00
RFCC 00019 UHWO Sewage Holding Tank FD	B2.01.22.00.80.02	CO.116.00010.003	\$16,000.00	1	LS	\$16,000.00



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RFCC 00019 UHWO Sewage Holding Tank Permit Approval	B2.01.22.00.80.02	CO.116.00010.004	\$1,500.00	1	LS	\$1,500.00
RFCC 00019 Hoopili Sewage Holding Tank FD	B3.01.22.00.80.02	CO.116.00010.005	\$16,000.00	1	LS	\$16,000.00
RFCC 00019 Hoopili Sewage Holding Tank Permit Approval	B3.01.22.00.80.02	CO.116.00010.006	\$1,500.00	1	LS	\$1,500.00
RFCC 00014 Addition of Bike Ramps to WOSG Stations	BB.01.22.00.80.02	CO.116.00010.007	\$32,470.00	1	LS	\$32,470.00
Deduct from Allowance	00.00.00.00.90.03	CO.116.00010.008	(\$102,298.00)	1	LS	(\$102,298.00)