State of Hawaii

DEPARTMENT OF LAND AND NATURAL RESOURCES DIVISION OF BOATING AND OCEAN RECREATION

ENGINEERING BRANCH

4 Sand Island Access Road Honolulu, Hawaii 96819

ADDENDUM NO. 6

Job No. B78CO74A

Heeia Kea Small Boat Harbor Wastewater Treatment System Improvements Kaneohe, Oahu, Hawaii September 10, 2019

The items listed hereinafter are hereby made a part of the contract for the above project and shall govern the work, taking precedence over previously issued plans, specifications, permitting documents, and other documents governing the items mentioned.

ADDENDA NOS. 1 - 5

Addenda Nos. 1-5 were issue via the HIePRO website. Addendum No. 1 removed a duplicate copy of the project specifications and replaced with the project plans. Addendum No. 2 clarified the correct Pre-Bid Meeting date. Addenda No. 3-5 extended the bid deadline and response date for answering questions and contractor requests for information.

PRE-BID MEETING

Attached to this addendum are the August 8, 2019 Pre-Bid Meeting Minutes and Sign-In Sheet.

RESPONSES TO CONTRACTOR QUESTIONS

Attached to this addendum are answers to contractor's questions submitted via the question/answer section of the HIePRO solicitation and via email.

PLANS

Sheet C008 shall be replaced by the attached revised Sheet C008.

ADDENDUM NO. 4 ATTACHMENTS

- 1. Pre-Bid Meeting Minutes and Sign-In Sheet
- 2. Responses to contractor questions on HIePRO
- 3. Responses to contractor questions sent via email
- 4. Revised Sheet C008.



SUZANNE D. CASE
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

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DIVISION OF BOATING AND OCEAN RECREATION



STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES DIVISION OF BOATING AND OCEAN RECREATION

4 SAND ISLAND ACCESS ROAD HONOLULU, HAWAII 96819

Job No. B78CO74A Heeia Kea Small Boat Harbor Wastewater Treatment System Improvements Kaneohe, Oahu, Hawaii

PRE-BID MEETING MINUTES

Date: August 8, 2019

Time: 9:00 A.M.

Location: DOBOR Admin. Bldg. Conference Room

DLNR-DOBOR Contact Information:

Project Engineer (PE): Finn McCall

Phone: (808) 587-3250

E-mail: finn.d.mccall@hawaii.gov

Inspector(s): TBD

Acting District Manager: Jenna Kawasugi

Phone: (808) 587-0141

E-mail: jenna.m.kawasuqi@hawaii.gov

Bidding Information:

- Bid Deadline: August 23, 2019 at 2:00 PM
- All interested bidders must be registered in **HiePRO** prior to bid deadline.
- Bidders shall download, fill out, and upload bids on the Proposal From attached to the bid solicitation and all required attachments:
 - Apprenticeship Program Participation Form 1 (optional)
 - Qualification Questionnaire (not required if provided within last 24 months)
 - Bid Bond (required)
- RFIs may be submitted through the HIePRO question/answer section of the solicitation or sent directly to: finn.d.mccall@hawaii.gov. All pertinent RFI responses will be responded to via addendum.
- Deadline for submission of RFIs/questions: August 19, 2019 by 4:00 PM.
- Responses to RFIs/questions: August 21, 2019 by 4:00 PM.
- Contract award contingent on contractor compliance with Hawaii Compliance Express (HCE). See Notice to Bidders for more information.

Scope of Work:

- Construction of new package wastewater treatment plant
- Construction of new sewage lift station
- Construction of new dual leach fields
- Miscellaneous site work

Construction Items/Additional Work/Time Extensions:

- Contractor shall pick up Grading Permit from DPP
- Staging/stockpiling areas: As shown on plans.
- Certified payrolls: Submit weekly to PE.
- Additional work: Submit RFI in writing to PE. If additional work will be a cost increase, provide cost proposal in writing. Cost proposal and additional work must approved by PE through submittal of a written change order <u>before</u> performing work.
- Contract duration: 270 calendar days.
- Construction start: October 21, 2019
- Completion date: July 17, 2020
- Time extensions: Project is expected to be completed within 270 calendar days. If unforeseen conditions develop, time extension request must be submitted in writing to PE as soon as practicable and a minimum of 10 days before contract completion date.

Discussion:

- Question/answers (see answers to contractor questions posted on HlePRO and additional RFIs attached to Addendum No. 6 dated September 10, 2019).



SUZANNE D. CASE CHARRERSON BOARD OF LAND AND NATURAL RESOURCES COMMISSION ON WATER RESOURCE MANAGEMENT

> ROBERT K. MASUDA FIRST DEPUTY

M. KALEO MANUEL DEPUTY DIRECTOR - WATER

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STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES DIVISION OF BOATING AND OCEAN RECREATION

4 SAND ISLAND ACCESS ROAD HONOLULU, HI 96819

Job No. B78CO74A Heeia Kea Small Boat Harbor Wastewater Treatment System Improvements Kaneohe, Oahu, Hawaii

PRE-BID MEETING

SIGN-IN SHEET

Name	Organization	Phone	E-mail
Mack McAurson Pon Sui A	Hooden Eveneering Stress Hawaii Eng Stinces	780-400 841-0033	ron lingineering. con
GLEN LUKEC	11	841-0033	gles e hiengineering com
SAM PENG HO	JAC. W. GLOVER, LTD.	591-8977	Samh@gloverltd.com
JARED TAVARES	KIENIT INFRASTRUCTURE	753-6069	jared tavatese kiewit.com
Hoon Kim	Hawaii Works Enc.	847-7140	estimating @hawaiiworksing, com
Andrew Kim	Oceanic Companies Inc	715-7959	akim a oceanic companies. com
James Harry	Harry Brothers LCC	479-2685	harveyboothers havinatel-net
Fin M'(all	DLNR-DOBOR	587-3250	fina.d.mecall@hawaii.gov
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Questions for solicitation: B20000117 Heeia Kea Small Boat Harbor Wastewater System Improvements 09/10/2019

1. The pre-bid conference date under the "General Information" tab is shown as August 8 but the Notice to Bidders as revised 7/19/19 shows the conference date as August 9. Please clarify.

See Addendum No. 1.

2. It appears C900 do not come in 3" diameter and only come in sizes 4" and above. Please clarify the pipe to use for the force main.

Answer: 4" C900 is an acceptable substitute.

3. Please clarify the conduit requirements for this project. Proposal form suggests exterior conduit shall be PVC Coated GRC but the specs suggest 316 stainless steel conduit. However Section 16402 of the Specifications and the electrical drawings suggest that exterior conduit should be 316SS Rigid Conduit.

Answer: Comply with spec section 16402. Rigid 316 stainless steel conduit shall be used for all exposed locations. PVC coated rigid steel conduits is not acceptable.

4. Section 16410 3.2(A) says Quality Control for the Automatic Transfer Switch should be performed in accordance with NETA ATS. NETA ATS requires that testing be performed by NETA certified techs and a NETA Accredited Company. No such company exists in the State of Hawaii. Is it acceptable for the electrical contractor to perform this testing in accordance with NETA ATS, or will the contractor have to hire a third party NETA Accredited Company.

Answer: Testing shall be performed in accordance with NETA ATS testing per spec section 16410, paragraph 3.2.A. Testing by a third-party NETA certified/NETA accredited technician/company not required.

5. Does the painting requirement of section 16050-7 of the specs also apply to PVC Coated Galvanized Rigid Conduit?

Answer: PVC coated rigid steel conduit is not acceptable. All exposed conduit shall be rigid 316 stainless steel in accordance with spec section 16402, paragraph 2.2

6. Has the State gotten a budget price from Hawaiian Electric for this project? If there is no budget proposal as of yet, has the State contacted Hawaiian Electric regarding this project and who is the contact at HECO who is assigned to this project?

Answer: DOBOR will be paying the Hawaiian Electric Fees. No price shall be provided in the Bid Proposal schedule (Bid Item 47).

7. The ingress/egress is shown to be installed in the a.c. pavement requiring the a.c. pavement to be restored. Please provide details for the a.c. restoration.

Answer: Match the AC Pavement Connection Detail shown on Sheet C007.

8. Part of the silt fence shown on Dwg C003 is located on the a.c. Please clarify if the intent is to trench through the existing a.c. pavement to install the silt fence. Please provide pavement restoration details.

Answer: Bio-sock is an acceptable alternative to silt fence shown on AC Pavement.

9. The excavation/embankment/area to be graded and disturbed quantities shown under Earthwork Summary on Dwg C002 seem to be very different from the volumes and areas derived from the plans. Please confirm if the excavation/embankment/area to be graded and disturbed quantities are for grading permit only and should be disregarded.

Answer: The Earthwork Quantity is for Grading purposes only. The Project price shall cover all work shown on the plans.

10. Please provide the diameters and depths of the seepage pits/cesspools to be filled and abandoned. Please clarify if only 2 EA seepage pits/cesspools are required to be filled and abandoned.

Answer: The plans (C001) has an inset box showing existing septic, seepage pits, treatment units and cesspools. All existing facilities are required to be abandoned. Refer to Specification 2050 Demolition Paragraph 3.1.A. in accordance with Department of Health criteria. There are NOTES on the bottom left of C001 covering abandoning these facilities. Diameters or seepage pits are either 6 or 8 feet. Seepage pits are not supposed to be installed into the water table.

11. Note 2 on Dwg C001 states "all other existing components of the wastewater system to be abandoned." Please confirm if the preloaders, aeration chambers and other boxes by the comfort station are to be abandoned in place or if they need to be removed.

Answer: Refer to Answer in Item 10 above.

12. Please confirm that the pavement markings will be thermoplastic and that new pavement markings are only required at areas damaged by the project.

Pavement markings shall be thermoplastic and only damaged markings are to be replaced.

13. Please provide elevations of the top and bottom of the absorption beds. The depth of the absorption beds differ between the profiles on Dwg C006 and detail on Dwg C008. It appears that the depth of the untreated aggregate base will be more than 12".

Answer: The absorption Bed/Infiltrator Chamber Detail on C008 governs installation.

14. Please confirm the proposal quantity for Item No. 19 "earthwork for absorption beds," the volume of 800 CY seems to be less than the volume required.

Answer: The quantity is for earthwork. There are no proposed changes to the quantity contained in the Proposal.

15. Please clarify which proposal item the Inspection Ports will be paid for under.

Answer: Bid Item 18.

16. Dwg C007 shows sewer trench detail with 24" of crushed rock at the bottom of trench if necessary. Please consider paying for the 24" of crushed rock under a separate allowance item since it is unknown at bid time if this work is needed.

Answer: Bids shall include the 24-inches of crushed rock. Actual payment shall be on amount actually used.

17. Dwg C007 sewer trench detail has an arrow stretching out to 6-ft. min. for the a.c. pavement, please clarify what this note is intended for and if the a.c. pavement need to be restored 6 feet beyond the trench width. If the pavement needs to be restored to 6' beyond, please clarify if the new a.c. should be 5" thick.

Answer: The 6-foot minimum dimension and leader is not correct and should be deleted. The total patch width is the Trench width plus 12-inches.

18. Sta. 0+03 may be mislabeled on SL-B and SL-C profiles.

Answer: 0+00 Horizontal is 0+03 if you take into account the 3 -foot of vertical to connect to the WWTP discharge.

19. The 3" force main seems to be longer than 100 LF, please confirm if the proposal quantity of Item No. 8 is correct.

Answer: Use proposal quantity in Bid Item 8.

20. Please confirm which proposal item the 4" SL-A will be paid for under.

Answer: SL-A shall be paid under Bid Item 7.

21. The proposal quantity for Item No. 20 seems to be larger than the area of the absorption beds (plus 5' beyond the footprint of the chambers), please clarify if the proposal quantity includes other base course areas beyond the absorption beds.

Answer: Use quantity in Bid Item 20 for bidding purposes.

22. Relating to Question No. 11, please confirm if the existing piping in the existing systems are to be abandoned in place or if they need to be removed.

Answer: Existing piping to the existing systems shall be abandoned in place.

23. Please confirm that both influent and effluent above ground piping will be ductile iron pipe. Will blower piping be DI also?

Answer: Influent and effluent above ground piping shall be ductile iron pipe. Blower piping shall be 316 rigid stainless steel.

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Question No.	Category	Specification Section/Sheet #	RFI	
1	UG Sewer	C001	For sewer connections, will existing systems be allowed a temporary shutdown? If so, how long? Answer: There are two existing systems. One serves the docks and shall remain in service until ne WWTP is up and running. Down time for this system shall be limited to connection time to new lift station after new WWTP system including New lift station are functional. The other existing system serves the shoreside restrooms. Down time shall be limited to re-routing restroom sewer to new lift station after new WWTP and lift station are functional. The time shall be kept to a minimum and coordinated with the harbor master. All necessary trenching shall be done in advance of hook-up and all piping shall be pre-fabricated to the extent possible to minimize down time. For the purpose of actual time assume a maximum of eight hours subject to Harbor Master confirmation.	
2	Permits	C001, C005	Drawings show a certified shoreline dated April, 23 1982. Confirm that no additional permits required project as the limits extend well beyond the certified shoreline. Answer: DOBOR is exempt from Special Management area. The only identified permit for this Contract is a Grading Permit. The Plans for the Grading Permit have been approved. The Contractor will have to obtain, pay fees, bond and sign for Grading Permit.	
3	BMP's	C005	Please provide detail for Project Barricade (w/light) as shown on dwg. Answer: Project barricade to be submitted by awarded contractor for review and approval.	
4	Utilities	C006	Profiles of new sewer systems show a conflict with the existing electrical ductbank. Confirm if cost to relocate electrical ductbank should be included in bid. Answer: Follow the note on the plan "Pothole and adjust if required". The exact depth of electrical is not known. Relocation of the electrical ductbank shall be included in the bid.	
5	Proposal	Bid Item #47	Bid Item for HECO Budget can vary. Suggest converting this bid item to Force Account, specifying a set bid amount.	

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			Answer: DOBOR pays all Heco and charges. This bid Item shall be \$0.
6	Proposal	Bid Item #23	How will this bid item be measured and paid? Suggest converting this bid item to Force Account, specifying a set bid amount. Answer: Bid per plan and Specifications.
7	Proposal	Bid Items #37 & #38	Bid Items #37 & #38 were missing from proposal. Please confirm that this is correct. Answer: Bid Item 37 and 38 are not included in the bid.
8	BMP's	Spec Section 01530	Spec states, "Upon completion of the construction work, barricades shall be left in place, relocated or removed and disposed of as shown on the plans or directed by the engineer." Please confirm if barricades are to be left in place (becoming property of state) or removed from site by Contractor. Answer: For the purpose of the Bid assume the Engineer will direct all barricades to be removed.
9	Water	n/a	Is there a water source available for use at the site? Answer: There is a hose bibb be the dockside restroom and it is a Harbor facility where boat washdown occurs regularly. Use of Harbor facilities is allowable and shall be governed by the Harbor Master.
10	Stockpiles	Spec Section 02226 (3.3.G)	Spec section states that stockpiles must be kept within the excavation area. Confirm that spoils can be stockpiled on site, outside of the limits of excavation. Answer: Stockpiles may be placed outside of the limits of excavation. Coordinate location with the Engineer and Harbor Master.

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11	Permits	Spec Section 16050 (1.13.A)	Spec States, "Contractor to obtain and pay for all building and/or electrical permits". Please confirm if building and electrical permits are required for this project. Answer: DOBOR is exempt from Building Permits and all electrical fees will be paid by DOBOR.	
12	Permits	16050 (1.13.B)	Spec States, "Contractor to pay for all utility company charges related to this project". Please list expected utility charges for this project Answer: DOBOR will allow use of Harbor power and water and any utilities they have accessible to them. Use shall be coordinated with the Harbor Master.	
Dobar	Schedule	Appendix C - World Water Works WWTP Description	Note that lead time for WWTP system provided by World Water Works is 36 weeks (incl. submittals, fabrication & shipping). Project timeline provided at pre-bid meeting has construction starting on Oct. 21, 2019, with a contract deadline of July 17, 2020 (38.5 weeks). Please confirm project timeline provided at pre-bid meeting. Answer: The Manufacturer has been contacted and feels comfortable with 28 weeks for their lead time. Regardless if a time allowance is required to coordinate Manufacturer lead time and Contractor performance time, that time allowance will be negotiated with the lowest responsible and responsive bidder.	
14	UG Sewer	C008	Confirm if precast Distribution Boxes are required to be epoxy lined and/or leak tested. If testing required, please specify type of test (i.e. vacuum, water, etc.) Answer: The manufacturer's standard lining is acceptable. Water tight joints are required. Distribution boxes shall be water tested.	
15	AC Restoration	C007 & C008	The "Typical Sewer Trench Detail" on C007 shows a 3" Mix 5, 6" ACB, 6" Base Course Section. The "Absorption Bed" detail on C008 shows a 3" Mix 5, 6" Base (95% comp), 6" Base (90% comp) Section. Please confirm which section is to be used to restore the AC Pavement. Answer: Trench detail governs Trench repair. Absorption Bed follows Absorption Bed detail. One is not substituted for the other.	

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16	Demolition	Spec Section 02050 & C001	Prior to demolition, cesspools and seepage pits are required to be pumped. Please provide anticipated volume/qty of sludge in tanks, as this information cannot be determined by drawings or site investigation. Answer: The plans (C001) has an inset box showing existing septic, seepage pits, treatment units and cesspools. All existing facilities are required to be abandoned. Refer to Specification 2050 Demolition Paragraph 3.1.A. in accordance with Department of Health criteria. There are NOTES on the bottom left of C001 covering abandoning these facilities. Diameters or seepage pits are either 6 or 8 feet. Seepage pits are not supposed to be installed into the water table.
17	Trench Restoration	C007	Confirm if CLSM backfill or subbase can be used as backfill between pipe cushion and Base Course layers. Answer: CLSM may be used as backfill below the pipe cushion grade in trenches only. This does not apply the absorption bed.
18	Fencing	S101	Note on sheet states, "New light pole footing, see electrical drawings, pour monolithic with fence post footing". Please provide detail for monolithic fence post and light pole foundation showing clearances, etc. Answer: Follow New Light location shown on E201 and light pole and footing shown on Area Light Detail on Sheet E503.

