

Questions for solicitation: B22001933 7101A-01-20 Farrington Hwy Widening, Kap. G. Course to Ft W.
Rd

1. Specification Section 108.08 specifies Liquidated Damages of \$35,000 per working day. The Proposal, Page 1 defines the Completion Time in Calendar days. Please confirm that the project Liquidated Damages are measured in Working Days.

Confirmed. Contractor is responsible for obtaining a DOH Noise Variance to ensure project is completed by the specified completion time. HDOT defers to Contractor which days will be selected as working days.

2. Specification Section 108.01 Notice to Proceed (NTP) states A Notice to Proceed will be issued to the Contractor not more than 475 calendar days after the contract certification date, or upon the Engineer's confirmation of receipt of State furnished long-lead items, described in the contract plans. Please specify long-lead items so Contractor can evaluate the risk of a 475-calendar day period to NTP.

Please see Add. No. 2. NTP revised to standard duration. Start work duration revised. Long lead items that drive the extended Start Work duration are HECO materials. Which will be procured by HDOT/HECO, contractor will not be responsible.

3. Specification Section 108.01 Notice to Proceed (NTP) states, A Notice to Proceed will be issued to the Contractor not more than 475 calendar days after the contract certification date, or upon the Engineer's confirmation of receipt of State furnished long-lead items, described in the contract plans. Contractor cannot price the risk for cementitious materials, HDOT should add a short supply contract clause.

Bid accordingly

4. Specification Section 108.01 Notice to Proceed (NTP) states, A Notice to Proceed will be issued to the Contractor not more than 475 calendar days after the contract certification date, or upon the Engineer's confirmation of receipt of State furnished long-lead items, described in the contract plans. Contractor cannot price the risk for asphalt binder materials, HDOT should add a short supply contract clause for variations greater than 5%.

Bid accordingly

5. Specification Section 108.01 Notice to Proceed (NTP) states, A Notice to Proceed will be issued to the Contractor not more than 475 calendar days after the contract certification date, or upon the Engineer's confirmation of receipt of State furnished long-lead items, described in the contract plans. Contractor cannot price the risk for steel materials, HDOT should add a short supply contract clause for variations greater than 5%.

Bid accordingly

6. Specification Section 108.01 Notice to Proceed (NTP) states, A Notice to Proceed will be issued to the Contractor not more than 475 calendar days after the contract certification date, or upon the Engineer's confirmation of receipt of State furnished long-lead items, described in the contract plans. Contractor cannot price the risk for fuel, HDOT should add a short supply contract clause for variations greater than 5%.

Bid accordingly

7. Section 201 – CLEARING AND GRUBBING 201.03(E)(I) – Paragraph 2 adds the requirement to scarify to a minimum depth of 8 inches, moisture condition to at least 4 percent above the optimum moisture content, and compact to 90 percent relative compaction all subgrades and embankment areas. Paragraph 3 requires any area that develops shrinkage cracks (wider than 1/8-inch in width) be prepared again. How will the Department pay for the second preparation?

Work to ensure CM to make sure spec met, follow rec will work on YOB additional. Based on boring recommendation, should be adequate. Any extra preparation will be incidental.

8. Specification Section 207.05, lines 36 and 37, states “The Engineer will not pay for clearing and grubbing in accordance with Section 201-Clearing and Grubbing.” Please confirm that Clearing and Grubbing of Channel and Basin Excavation is incidental to the excavation items 207.1000 and 207.2000.

Confirmed.

9. Specification Section 209 – TEMPORARY WATER POLLUTION, DUST AND EROSION CONTROL paragraph 209.01(A) includes removing and disposing of hazardous wastes. Hazardous Waste disposal without definition is not quantifiable or priceable. This please confirm this work will be paid for in 209.0200 Additional Water Pollution, Dust and Erosion Control, Force Account.

Confirmed. Hazardous waste removal will be paid under 209.0200 (Force Account).

10. Specification Section 411.03(B)(3) – specifies a deck finisher or slipform paver for the bus stop concrete paving. Both methods seem to be overkill for single lane short sections of concrete paving. Pleas modify specification to allow clary type screeds.

Follow specification.

11. Drawing C-3 (Sheet 4), Construction Notes – 2, Access to Farm Lots, Note 3, requires a physical barrier be installed after removal of earth berms to prevent unauthorized vehicles from accessing the farm lots. Please define physical barrier.

Acceptable physical barrier can be concrete jersey barrier, water-filled plastic jersey barrier, temporary chain link fence or other type of barrier that will prevent vehicles access.

12. Drawing C-3 (Sheet 4), Construction Notes – 2, Access to Farm Lots, Note 5, requires the Contractor to relocate all irrigation lines impacted by construction and ensure farmers continuous irrigation. This note requires contractors to include and perform an undefinable scope of work. Please provide as-builts of the farmers irrigation system or create an allowance item for relocating Farmer Irrigation Lines.

The irrigation lines that we are aware of and were included in the topo done by G70/Control Point are shown in the plans. However, there may be other lines not recorded in as-builts that are still in service. Proposal allowance item for relocation will be added in Addendum No. 2.

13. Drawing C-5 (Sheet 6), Construction Notes – 4, Notes for Construction, Note 5, requires the Contractor to retain the services of a licensed professional Engineer(s) for quality control. Please provide a specification section to cover this work.

Requirement not deleted. Revised to require Contractor to submit qualifications to the State Engineer.

14. Drawing C-5 (Sheet 6), Construction Notes – 4, Notes for Construction, Note 8, requires the Contractor to be responsible for all overtime night work payments for City and County's, and States's staff and inspection personnel including consultants when the contract requires overtime or night work to be performed, or directs the Contractor to work additional shifts or overtime for City and County's or State's convenience... a. Contractor cannot be responsible for overtime inspection fees when directed to work overtime or night work for the City and County's or State's convenience, as the cost is unquantifiable. This requirement should be removed. b. Contractor requires overtime and night shift staff and inspection rates (including transportation) for City and County, State and consultant personnel to prepare a responsive bid. Please provide via addendum.

Deleted.

15. Pay Item 680.6020 is repeated for HECO 6' x 11' Manhole and HECO Betterment Upsize to 6' x 14' Manhole (Betterment). Please establish unique pay item numbers.

Revised pay number to 680.6011.

16. Drawings C-28 through C-31, Typical Sections, call out Biaxial Polypropylene Geogrid over Non-Woven Geotextile Fabric (716.02). Specification section 716.02 is for the Non-Woven Geotextile. Please provide a specification of the Biaxial Polypropylene Geogrid.

17. Bid Item 623.0039 (Proposal page P-25), Allowance - HECO Service Charge for Traffic Signal Service is described as an allowance but pays 1 Lump Sum. Contractors need to know if it is an allowance or 1 Lump Sum. Please confirm if it is an allowance or lump sum item.

Revised 622.3000 & 623.0039 to ALLOWANCE.

18. Bid Item 623.0039 (Proposal page P-41), Allowance - HECO Service Charge for Traffic Signal Service is described as an allowance but pays 1 Lump Sum. Contractors need to know if it is an allowance or 1 Lump Sum. Please confirm if it is an allowance or lump sum item.

Revised 622.3000 & 623.0039 to ALLOWANCE.

19. In the past, the State included in their contracts Short Supply Material clauses to protect both the State and Contractors in the midst of sharp material increases beyond the Contractors control. Forecasted costs of construction materials show a sharp increase in imported costs for asphalt cement binder in the coming months, which will affect this project. Requesting the State reinstitute Short Supply clauses to the contract for: a. Asphalt Cement b. Portland Concrete Cement c. Structural Steel d. Reinforcing Steel

Bid accordingly

20. Requesting to extend submittal of questions applicable to the Project Specifications from 05/09/22 to RFI due date.

Addressed in Add. No. 1

21. Project Specifications state that RFI deadline is 05/20/22, but HiePRO deadline is set to 05/21/22. Which one is correct?

Addressed in Add. No. 1

22. Is there a project control budget that bidders must be within?

HDOT will consider after bid opening based on bids received.

23. On proposal page P-34, there are two (2) Item 680.6010 used for "HECO 6' x 14' Manhole (Betterment)" and "HECO Betterment 6' x 14' Manhole". Please clarify.

Please see Addendum No. 2.

24. On proposal page P-34, there are two (2) Item 680.6020 used for "HECO 6' x 11' Manhole" and "HECO Betterment Upsize to 6' x 14' Manhole (Betterment)". Please clarify.

Please see Addendum No. 2.

25. Request to use of recycled materials in base materials. Revised spec sections 203, 703, and 719 to be emailed separately to State since we are unable to attach files via HiePRO.

Use of recycled materials is not allowed

26. Per Section 107, please confirm that builder's risk insurance is required for all work.

Insurance required is specified in Section 107 and in construction notes.

27. Per Section 108.08, LD's for project are \$35,000 per working day. Is this correct?

Please see Addendum No. 2

28. Is there a CM for this project?

Yes HDOT has CM, QRSE.

29. Concerning Section 695 JIT Training, what activities and technologies are applicable to this project?

KSF Response: JITT to be conducted for VESLMC and mass concrete.

30. The proposal is separated in two parts (Proposal Schedule & Proposal Schedule-Queen's West Intersection Work). What is the reason for this? Is either part considered an additive or alternate? If the bids come in over budget, will one of these parts be considered a priority over the other in terms of award?

The proposal is split into two parts because Queen's Medical Center West Oahu will be responsible for the items specified in the respective proposal schedule. Neither is a priority, bid as an entire project.

31. If bids come in over budget, will the State negotiate with the lowest bidder?

HDOT will consider after bid opening based on bids received.

32. Bid Item 624.8000 through 624.8016 cover Temporary Waterline By-Pass 1 through 17. Please provide pay item numbers for Temporary Waterline By-Pass 18, 20, and 21.

Please see Addendum No. 2.

33. Drawings C-168 through C-175 contain plan & profiles for Temporary By-Pass 1 through 15, plan sheet C-121 calls out Temporary By-Pass 16 and 17 on plan sheet C-176. The plans set does not include drawing C-176. Please provide.

Please see Addendum No. 2.

34. Drawings C-168 through C-175 contain plan & profiles for Temporary By-Pass 1 through 15, plan sheet C-122 calls out Temporary By-Pass 18, 20, and 21 on plan sheet C-177. The plans set does not include drawing C-177. Please provide.

Please see Addendum No. 2.

35. Plan set 1 of 3 does not include C-176 through C-180. If applicable to the project include in Addendum # 1.

Those sheet numbers were not used in Bid Set.

36. Plan sheet C-122, Utility Plan BL Sta. 58+00 to BL Sta. 61+00 contains Call out Q for Waterline "N", See Profile Sht. C-161. Sheet C-161 only has a profile for Waterline "S". Please provide profile for Waterline "N".

Please see Addendum No. 2.

37. "Plan sheet C-128, Utility Plan BL Sta. 100+00 to BL Sta. 109+00 contains the Note: 204 LF RCJ on Exist Waterline, See Sht. C-132, (BL Sta. 111+43.9 to BL Sta. 111+91.1) See Note 6, This Sht. Sheet C-132 covers BL Sta. 127+00 to BL Sta. 136+00 so it does not apply. Please provide RCJ detail for this jacket, BWS Standard Detail B1 or Structural Details."

Please see Addendum No. 2.

38. "Plan sheet C-129, Utility Plan BL Sta. 109+00 to BL Sta. 113+00 contains the Note: 47 LF RCJ on Exist Waterline, See Sht. C-132, (BL Sta. 99+17.7 to BL Sta. 101+22) See Note 6, This Sht. Sheet C-132 covers BL Sta. 127+00 to BL Sta. 136+00 so it does not apply. Please provide RCJ detail for this jacket, BWS Standard Detail B1 or Structural Details."

Please see Addendum No. 2.

39. Plan sheet C-129, Utility Plan BL Sta. 109+00 to BL Sta. 113+00 at approximately BL Sta. 110+00 has Waterline Q and Waterline ?? detailed by Callouts A, B, C, D E, F, G, H, I, and T. The plan view indicates RCJ, the Callouts do not specify BWS Std. Detail B1 or the Structural Drawings. Please provide RCJ details.

Please see Addendum No. 2.

40. Plan sheet C-129, Utility Plan BL Sta. 109+00 to BL Sta. 113+00 at approximately BL Sta. 110+00 has Waterline Q and Waterline ?? detailed by Callouts A, B, C, D E, F, G, H, I, and T. Waterline ?? defined by Callouts A, B & C does not have a profile. Please provide.

Please see Addendum No. 2.

41. "Plan sheet C-130, Utility Plan BL Sta. 103+00 to BL Sta. 1118+00 contains the Note: 274 LF RCJ on Exist Waterline, See Sht. C-132, (BL Sta. 112+98.5 to BL Sta. 115+72.5) See Note 6, This Sht. Sheet C-132 covers BL Sta. 127+00 to BL Sta. 136+00 so it does not apply. Please provide RCJ detail for this jacket, BWS Standard Detail B1 or Structural Details."

Please see Addendum No. 2.

42. Plan Sheet C-136, Plan & Profile Compound Meter and DC Meter, indicates a RCJ on the W8 portion of the feed line. Please provide details (BWS Std. Detail B1 or Structural Drawings) for this line.

Please see Addendum No. 2.

43. Are Advisory Boards (Notice to Motorist) Required Per Spec 645.03(G) Advisory Signs. Submit advisory sign shop drawings. Construct, install, maintain, and remove two advisory signs as ordered by the Engineer. Place signs at locations designated by the Engineer. Provide signs, minimum 8 feet wide by 4 feet high, with black letters on orange background, and with three 4,00 pounds/foot flanged channel posts for each sign? If so can you please provide the locations?

Addressed in Add. No.1, see TCP.

44. Are post mounted Construction Signs (Road Work Ahead & End Road Work) required per spec 645.03 (B) Construction Signs. Erect construction signs at the beginning of project and at the end of project at the location indicated by the Engineer. These signs shall remain for the duration of the highway project. Maintain these signs. Place these signs besides the required traffic control signs called for herein? If so can you please provide the quantity and locations?

Addressed in Add. No.1, see TCP.

45. Are Construction Work Zone Signs Required for this project - Typically Construction Area/Reduced Speed XX/\$250 Fine, Begin/Construction Area/Speed Limit XX/\$250 Fine, End/Construction Area/Speed Limit YY sign sets installed on posts. If so can you please provide quantity and locations?

Addressed in Add. No.1, see TCP.

46. Can used signs, posts and hardware be used for Advisory, Construction and Construction Work Zone Signs if they are required for the project?

Used signs, posts, and hardware for temporary use must be requested and approved by the Engineer.

47. Reference: Bid Items measurement and payments: Question: (a) With regards to items in the price schedule that have provided quantities (other than LS), please clarify if all bidders shall price these items based on provided quantities or shall bidders base their bids based on their own quantities' take off? (B) If bidders have to price based on provided quantities in the price schedule, please be advised that there are significant differences between our take off and provided quantities in the price schedule for examples the following bid items: 204.1000 Trench Excavation for Water Lines 204.1100 Trench Backfill for Water Lines 204.3000 Trench Excavation for Gas Pipelines 204.3100 Trench Backfill for Gas Pipelines 206.1000 Excavation for Drain Lines and Drain Culvert 503.7000 Concrete for Reinforced Concrete Jackets 622.2030 Remove Streetlight Ductbank Please provide clear direction how the final measurement and payment for pay items (other than LS) will be performed?

The contractor shall provide unit price and bid on provided quantities in the proposal schedule. Please see Addendum No. 2 for revised quantities.

48. Reference: Traffic Ctrl Plans. Question: It was mentioned during the pre-bid conference call that the traffic control plans will be included in upcoming addendum. Please confirm that traffic control plans are approved and all bidders shall follow. Also, it was mentioned that the concept of traffic control plans is to have work area half of the highway and divert traffic to other half. Please be advised there are roadway sections with significant grade changes between existing and proposed highway elevations / cross sections which makes the proposed traffic plans concept of dividing roadway in two have not feasible because it is required to daylight (slope) subgrade of half of hwy to match existing (towards traffic lanes). By doing that will need to utilize one traffic lane which may lead to have only one traffic lane (not able to maintain two traffic lanes one for each direction). Please discuss with the engineer and advise

Please see Addendum No. 2. Contractor must maintain two traffic lanes unless specified by TCP.

49. Reference: Pay Item - 206.1000 Excavation for Drain Lines and Drain Culvert Question: Please clarify where do we allocate the cost of backfilling Drain Lines and Drain Culvert? Shall we include it in Pay Item - 206.1000?

The Engineer will not pay for structure and trench backfill for culverts separately and will consider the cost for those items as included in the contract prices for the various culvert contract pay items.

50. 1. Please refer to plan sheet 94. DMH G2 (Ty. 2) and DMH G3 (Ty. 2) refer to HDOT Std. Plan H-09. This is the detail for a Ty. 2A-9 Grated Drop Inlet. Please clarify what detail should be used for these drain manholes as this callout is likely incorrect. 2. Please refer to plan sheet 96. DMH H2 (Ty. 2) and DMH H3 (Ty. 2) refer to HDOT Std. Plan H-09. This is the detail for a Ty. 2A-9 Grated Drop Inlet. Please clarify what detail should be used for these drain manholes as this callout is likely incorrect. 3. Please refer to Sheet C-55. The connection to the existing sidewalk does not correspond with the location of the end of the proposed sidewalk. 4. Due to the high number of bid items, we humbly request that HDOT provide a formatted spreadsheet than can be used for uploading the proposal on the day of the bid.

Please see Addendum No. 2, no spreadsheet or editable files are to be distributed to bidders.

51. Can HDOT please provide the anticipated locations of Contractor Staging Areas for this project?

Contractor is responsible for staging areas required.

52. 1. Sheet No. C-49 shows the Limit of Grading Detail. This detail indicates that there is a 10' dust fence along the limits of grading. Is it HDOT's intention to install a 10' dust fence along the entire limit of grading for the project or should this detail only be applied to certain areas?

Include dust fences along the project in accordance with HAR 11-60.1-33

53. Proposal, sheet P-35 has Item No. 680.7400, HECO Ductline, Four 5-inch Conduit Encased in Concrete Jacket, page P-36 has Item No. 680.8100, Four 5-inch Conduit Encased in Concrete Jacket. Are these duplicate bid items?

Split for HDOT cost purposes. See Addendum No. 2

54. Plan Sheet EB-14 call out 50 LF of 4-4V CATV Duct Bank. Proposer requests new bid item.

Please see Addendum No. 2.

55. Item No. 616.1000 Temporary Irrigation System - Contractor can not find planting plan sheets to base the lump sum price on.

Temporary irrigation system plan is not provided. The contractor shall be responsible for design of temporary irrigation system to establish Buffel Grass on all exposed surfaces of the project.

56. Item No. 617.1000 Imported Planting Soil - Contractor can not find planting or topsoils plan sheets to base the lump sum price on.

Planting plan is not provided. Top soil is not required for planting Buffel Grass on all exposed surfaces. The proposal line item is removed, please see Addendum No. 2.

57. Item No. 619.1000 Planting - Contractor can not find planting plan sheets to base the lump sum price on.

Planting plan is not provided. The contractor shall do his/her own takeoff to base the lump sum price on for planting Buffel Grass on all exposed surfaces in the project.

58. Items No. 680.7000 and 680.8000: Demolish & Remove Transite Ductline After Cables are Removed by HECO; Demolition and Removal of Asbestos-Containing Transite Ductline Shall Meet Federal, State, and County Requirements For Hazardous Material Demolition and Removal Work - Are these duplicate bid items?

Yes, duplicate. Please see Addendum No. 2.

59. Plan Sheet C-163, Drain Profiles - 1, Drain Profile at 14+98, the stationing that is called out for GDI B2 is 6+32, on Plan Sheet C-138 the stationing that is called out for GDI B2 is 14+83. Please confirm if callout of GDI is incorrect or if the stationing is mislabeled.

Please see Addendum No. 2 for corrected stationing.

60. Plan Sheet C-165, Drain Profiles - 3, Box Culvert at 23+36 is mislabeled. The profile is shown as a 42" RCP.

Please see Addendum No. 2 for corrected label.

61. Plan Sheet C-165, Drain Profiles - 3, Box Culvert at 23+36, the callout is for 108 LF of 42" RCP CL. III, however when measured it is found to be 73LF. Please confirm whether callout is incorrect or is profile that is shown is wrong.

Please see Addendum No. 2 for corrected label.

62. Plan Sheet C-137 - C-143 shows drainage profiles of RCP. On these sheets the thickness of the 24" CL III RCP is 30". Another portion of the profile for 24" RCP CL III is shown on Plan Sheet C-143 and measured thickness is 24", which continues from Plan Sheet C-143 - C-154 at this measured thickness. On Plan Sheet C-163 - C-165, Drain Profiles 1, 2 & 3, when 24" RCP is indicated it's measured thickness is 30". Please confirm whether callouts on some of these plans are incorrect or if thickness of piping on these plans is incorrect.

Please see Addendum No. 2

63. Item Number 603.2002 states there is 481 LF of 36" RCP, Class III. This piping is not found on either the utility and drain profiles or the grading and drainage plan. Please confirm where this size piping is or if this piping does not exist.

Please see Addendum No. 2 for revised sheet (Grading and Drainage Plan BL Sta. 109+00 to BL Sta. 118+00). 36" RCP quantity has also been revised in the proposal schedule.

64. Sheet 102, Grading and Drainage Plan BL Sta. 136+00 to BL Sta. 145+00, shows an 8" Drain line. This drain line is not shown in the drainage profile plans. Please provide profile.

Profile not provided. Please use inverts provided on the plan.

65. Sheet C-126 Callout G calls for one 2" Offset ARV, the profile dwg. Sheet C-146 calls for two. Please confirm if it's one or two ARVs.

Please see Addendum No. 2 for corrected label on sheet C-126.

66. Plan Sheet C-33, Sheet 34 calls for demolishing and remove existing headwalls as required to construct drain manhole. Plan sheet Plan Sheet SC4.8, Sheet 527, calls for demoing and removing the headwalls on either side of existing road as well as the entirety of the existing culvert and the existing swale. Please confirm which drawing is correct and how much of the culvert is to be removed.

Sheet C-33 is correct. Please see Addendum No. 2 for corrected sheet SC4.8.

67. Please refer to Sheet C-52. It appears that there is a Street Survey Monument at Station 14+01.75 Farrington Highway, however there is no callout provided. Please clarify if this intersection is meant to have one that is not currently shown.

No street survey monument is required at Sta. 14+01.75.

68. Is the Bid Item 634.1000 – Portland Cement Concrete Sidewalk meant to include the work associated with the concrete median as well? If not could you please provide a bid item for the Concrete Medians?

Yes, please include concrete median in 634.1000.

69. **Special Provision 203-1A, Lines 29-36, seems to state that In-situ material 2' below subgrade will need to be tested. This will require the contractor to pothole at all testing locations to facilitate testing and ensure that it achieves a relative compaction of 95% or more. Areas that do not conform will need to be over-excavated to a depth of 2 feet below subgrade, moisture conditioned and recompacted. As it is written it is impossible for a contractor to develop a quantity that would accurately represent the possible extents of the over excavation, moisture conditioning and recompaction work. Please consider the following possible revisions. a. Creating a Unit Price bid item for the overexcavation, moisture conditioning and recompaction based on a CY unit. b. Creating an allowance item for this work. c. Changing the requirement such that all areas are required to be over excavated moisture conditioned and recompacted such that a quantity of work can be developed by the contractor. (Please consider extending contract time).**

Will add allowance item in Addendum No. 2. Per HDOT, the contract time cannot be extended.

70. **Please refer to SP108-14a, Liquidated Damages. Given that future HECO work will occur at the same time as this project and its schedule impact and constructability impacts are currently unknown the \$35,000 per day liquidated damages amount seems excessive. Please consider revising this amount to something more reasonable or please consider increasing the duration allowed to construct this project.**

Contractor is responsible for meeting the completion time specified. Contractor may file a Noise Variance with DOH. See Addendum No.2 for revised Section 107 and 108.

71. **1. Plan Sheet C-3, Construction Notes, Work Execution Note 1: No material and/or equipment shall be stockpiled or otherwise stored within the Highway Right-of-Way except at locations designated in writing and accepted by the Engineer. a. Are there any dedicated stockpile/yard locations that the Contractor may utilize?**

See Construction Parcels in Add. No. 2. If additional staging area is required, Contractor will be responsible for obtaining required land.

72. **1. Sheet C-2, Construction Note 11: For geologic inspection refer to report titled, "Geotechnical Engineering Exploration – Farrington Highway Improvements", dated November 23, 2020 prepared by Geolabs, Inc. Can this document be provided to Contractors?**

Please see Addendum No. 2 for report.

73. **1. Sheet S0.9, 9. Foundation Notes: A) The Foundation Design is based upon recommendations contained in the geotechnical engineering report prepared by Geolabs, Inc. with subject title "Geotechnical Engineering Exploration, Farrington Highway Improvements, Kapolei Golf Course Road to Fort Weaver Road, Ewa, Oahu, Hawaii" dated August 4, 2021. – Can this document be provided to Contractors?**

Please see Addendum No. 2 for report.

74. 1. Sheet C-2, Note 25. Please consider making an allowance item to cover this work.

Contractor shall add cost for relocation of existing utilities shown on the plans into the various items of work.

75. 1. Sheet C-35, Demolition Plan – approx. Sta 59+75 to 60+90 – There’s an existing fence that appears to be partially demolished. Please clarify requirements for removing/replacing this fence.

Please see Addendum No. 2 for added callouts on sheet C-108 to connect the fence.

76. 1. Sheet C-40, Demolition Plan – approx. Sta 141+00 to 142+00 – There’s an existing fence that appears to be partially demolished. Please clarify requirements for removing/replacing this fence.

Please see Addendum No. 2 for added callouts on sheet C-66 to reconstruct the fence.

77. 1. Page 360, Sheet SA3.1, Note 5: As-built plans of the existing Honouliuli Stream Bridge, see Structural General Notes 8.A, The Contractor shall be responsible for obtaining As-Builts of the existing structures. They are available for review from the C&C of Honolulu. Question: Are you able to provide these As-Built plans as part of the Contract documents?

Please obtain As-Builts from the C&C of Honolulu.

78. 1. Sheet P-12, Bid item 204.3000, Trench Excavation for Gas Pipelines, 2,720 CY. Please clarify where these gas lines are located. The only lines that I was able to find were associated with the ones shown on Sheet C-166, which is substantially less quantity.

New gas lines are being installed at Intersections J, K and L. Please see Addendum No. 2 for updated trenching and backfill quantities.

79. 1. Sheet P-12, Bid item 204.3100, Trench Backfill for Gas Pipelines, 1,410 CY. Same question as referenced above.

New gas lines are being installed at Intersections J, K and L. Please see Addendum No. 2 for updated trenching and backfill quantities.

80. 1. Bid item 540.1000 VESLMC for Kaloii Closure Pour (28cy) – Should this bid item be for Honouliuli Stream Bridge instead?

Please see Addendum No. 2.

81. 1. Please clarify bid items 604.4002 to 604.4008. Descriptions are exactly the same as bid items 604.3001, 604.3003, 604.3005-604.3009.

Please see Addendum No. 2.

82. 1. Please clarify bid item 622.3000, Allowance – HECO Service Charge for Street Light Service: Should this be an allowance item? If so, what is the amount?

Please see Addendum No. 2.

83. 1. Page 89: Please provide profile for Drainline connection to Basin C.

Contractor to use information provided on Grading and Drainage plans.

84. 1. Page 90: Please provide profile for Drainline connection to Basin D.

Contractor to use information provided on Grading and Drainage plans.

85. 1. The Drain Profile at 2+72.5 on sheet C-163 shows there is DMH A2. However, sheet 87 and sheet C-137 identifies the same structure as GDI A2. Please clarify.

Please see Addendum No. 2. Revised profile callout.

86. 1. The Drain Profile at 73+30 on sheet C-163 shows there is a 24" pipe. However, sheet 94 and sheet C-124 identifies the same lines as a 30" pipe. Please clarify.

Please see Addendum No. 2. Revised profile callout.

87. 1. Please provide profile for Waterline N, sheet C-122.

Please see Addendum No. 2.

88. 1. Please provide a detail for the sewer manhole.

Please see Addendum No. 2.

89. The specified compressive strength of 10,000 psi for prestressed concrete plank is a concern for local ready-mix concrete suppliers. Due to the variability of past performance, supplying a mix design which has sufficient overdesign to meet ACI requirements to qualify a 10,000 psi mix is difficult to consistently meet the strength requirement at 28-days. The intended mix design has been used for other bridge girders. This mix frequently exceeds 10,000 psi at 28-days. It is expected to meet design requirements of this project with the exception of overdesign as required by ACI 318 or ACI 211.1. Will the owners/ design team allow the specified prestressed concrete strength of 10,000 psi to be attained at 90-days instead of 28-days for the girders?

Please provide mix design shown in contract documents.

90. 1. Can you please confirm that the finish for the type 2DG curb and gutter shall be a broom finish?

Yes. See Note 3 on State Standard Plan D-05.

91. Please provide utility as-built information which contains existing ductbank section details for HECO, HECO, AT&T, CATV, SIC and Army Corps.

Contractor responsible to obtain as-builts from respective utility companies.

92. Will grounding be needed for all precast handholes, manholes and pullboxes? Is a ground ring needed for HECO, HECO and AT&T manholes. Please provide grounding detail if grounding is required.

Grounding is required per respective utility company standards and captured on shop drawing review. Refer to AT&T drawings that are included within design plans for AT&T requirements. HECO installs their own ring bus. Contractor to install HECO provided ground rods as required by HECO standards.

93. Sheet EE17 and EE22 both show CCTV Controller for this intersection. Queen West Bid Item Schedule is missing this item. Is this added into the main Bid Item Schedule?

It should be part of the Queens West Bid Items Schedule.

94. The manholes and handholes do not dictate racking size and racking material. Please provide racking size and material requirements for manholes and handholes where required?

Racking size and racking material is per respective utility company standards and captured on shop drawing review. Refer to AT&T drawings that are included within design plans for AT&T requirements. HECO installs their own racking.

95. Depth of manholes are not detailed out for this project. Please provide depth requirements for manholes. If none is provided, contractor will assume all manhole depths are 7'?

Contractor to coordinate with Civil plans and specific utility requirements.

96. Bid items 636.7000 and 636.8000 are calling for dual camera and quad camera equipment. This does not match the drawings or the details that are showing one face camera on sheet EH-08 detail A. Please provide updated drawings and details that show where the cameras are being placed and the details for the two different types of cameras.

Dual/quad camera equipment is to designate the number of cameras at the intersection (2/4 respectively). The cameras should face the direction they show on the enlarged intersection plan sheets.

Pay item revised, see Add. No. 2

97. Contractor needs verification that HECO is responsible for all arial electrical work (Poles, Cables, XFMR, etc....) and drop on sheets EB01 thru EB-25. Contractor is solely responsible for providing stub ups and conduit up the pole at pole locations. Confirm that HECO will self perform cable pulling and terminating meter side or service xfmr?

HECO will be responsible for their traditional work. Contractor to refer to street light and traffic signal drawings for secondary termination points. In general, HDOT's contractor will required to pull cable to a weather head on a utility pole, to a HECO pad mounted transformer, and/or meter socket. HECO to make the final terminations.

98. The luminaire legend (Sheet EA02) indicate Poles #14 and #15 are 98W LED, The electrical drawing shows 120W for #14 (Sheet ED03) and #15 (Sheet ED02). Please verify if the legend or the sheet set is correct?

Sheets are correct. Street lights #14 and #15 are 120W.

99. The luminaire legend indicates Poles #19 (Sheet ED-04), #56 (Sheet ED-09), #63 (Sheet ED-09) and #86 (Sheet ED-13) are 30' poles. Electrical Symbols indicate these poles are a reduced height. 1) Please verify if the poles are 30' or specify the adjusted height.

Poles #19, #56, and #63 are 30'. Pole #86 is 25'.

100. (Sheet ED-33) Pole #237: 25' Pole w/ 8' arm is not on proposal schedule. Verify which bid item is for this specific pole or please add new bid item.

Pole #237 is a street light w/ 8' bracket arm mounted at 25' on a HECO wood pole, similar to pole #236. This corresponds to bid item 622.1060.

101. (Sheet ED-13); There are two poles designated as pole #91. Please confirm if this is correct.

The pole at the corner of the intersection (circuit 3-AB) should be pole #89.

102. (Sheet ED-01 thru ED35) Contractor is only seeing five intersections with Phasing Sequence Diagrams (Intersections E, H, K, M and KUALAKAI PKWY). Please provide phasing sequence diagram and signal head list for remaining intersections.

The intersections without phase sequences are future intersections and do not have signal heads or cabling. The future intersections only have boxes, conduits, traffic signal standards and mast arms.

103. On sheet ED18 just east of Utility Pole 61 the ductbank ends at a pullbox. Please verify if this was just an error in the creation of the drawing or if the ductbank ends at the pullbox?

This was an error. Duct bank should enter and exit pullbox similarly to the other handhole groups on sheet ED18.

104. First detail on sheet EF03 is showing thermal backfill above the concrete encasement. Please verify that this is mandatory for any ductbank routing underneath pavement or can it be backfilled with Type "A" or Type "B" or both?

Both details require FTB over the thermal concrete per HECO standards.

105. Sheet EB01 - EB25 Show AT&T ductbanks. We are tying new manholes into the AT&T system. Is the AT&T system a live system?

AT&T system is a live system. Only AT&T approved contractor can perform work. Coordinate with AT&T per construction notes.

106. Sheet EB01 - EB25 If the AT&T system is being completely taken down. Who is responsible for providing Temporary system?

No temporary system is anticipated. Coordinate with AT&T per construction notes.

107. Sheet EB01 - EB25 If the AT&T system is being completely taken down. Are there certain hours the system has to be active for?

Coordinate with AT&T per construction notes.

108. If temporary work is needed for AT&T, what BID item will this work fall under?

No temporary system is anticipated. Coordinate with AT&T per construction notes.

109. Please confirm all items at the intersection of Farrington Hwy and Queen West fall under the Queen West Proposal Schedule?

All traffic signal items should fall under the Queens West Proposal Schedule. ITS, CCTV, and Broadband items do not fall under the Queens West Proposal Schedule.

110. Will HDOT be paying all HECO charges?

Refer to bid documents. The cost of HECO's assistance in providing proper support & protection will be charged to the contractor. The cost of the service requests and payment of the meter charges will be borne by the contractor until acceptance and turnover to the HDOT.

111. On Sheet EB01 - EB25 we are cutting into HECO system to install new manholes. Please confirm HECO is responsible to pull all cabling in HECO system before cut it construction starts?

Work needs to be coordinated with HECO. HECO cables may have to remain in place, until new cables are installed and cut-over by HECO.

112. Ductbank details on sheets EF02 - EF03 are showing details for Direct buried and encased concrete. Please confirm that electrical and fiber ductlines only needs to be encased when routing under pavement?

Refer to duct section details on EF-04.

113. 1. Please provide connection callouts for connecting to existing W8 at DC Meter, Sta 144+92.6, Sheets C-133, C-136.

Please see Addendum No. 2.

114. General Provisions Section 107.01 (I) (A) Obligation of Contractor, line 13-15 states that the contractor must maintain all insurance policies until final acceptance. Builder's risk coverage ends upon Substantial Completion or when the Work is put to its intended use, whichever occurs earlier. We specifically cannot carry builders' risk past Substantial Completion, into the Planting and Plant Establishment Period. We recommend adding the following to recognize insurance industry practices: "The Contractor shall maintain and ensure all insurance policies are current for the full period of the contract until final acceptance of the work by the State. This requirement excludes builders' risk, which will end at substantial completion."

Please see Addendum No. 2.

115. General Provisions Section 107.01 (I) (B) (4) requires builders risk insurance for the full replacement value of the project work. Contractor requests confirmation that it is acceptable to have sub-limits for the perils of Earthquake and Flood, as this is common practice in the insurance market.

Contractor's insurance must meet requirements outlined in project specifications.

116. General Provisions Section 108.16 requires the Contractor to maintain the Risk of Loss or Damage until the written notice of final acceptance has been received. Per Section 108.14, Final Acceptance is when the Engineer finds that the Contractor has satisfactorily completed all contract work in compliance with the contract including all plant establishment requirements, and all the materials have been accepted by the State, the Engineer will issue a Final Acceptance Letter. While we acknowledge our responsibility to maintain and protect the plant work after Substantial Completion, we specifically cannot accept the risk of loss for all Work during the 9-month Plant Establishment Period. Builder's risk coverage ends upon Substantial Completion or when the Work is put to its intended use, whichever occurs earlier. It is not equitable to give the Contractor the risk for loss(es) it cannot insure. Contractor's risk of loss should end upon Substantial Completion or at the point the Work is put to its intended use by the State, whichever is earlier. Please amend to: "Contractor's Responsibility for Work; Risk of Loss or Damage. Until Substantial Completion or when the Work is put to its intended use, whichever occurs earlier, the Contractor shall take every precaution against loss or damage to any part of the work from any cause whatsoever, whether arising from the performance or from the non-performance of the work. The Contractor shall rebuild, repair, restore, and make good all loss or damage to any portion of the work resulting from any cause before Substantial Completion or when the Work is put to its intended use, whichever occurs earlier and shall bear the risk and expense thereof."

Please see Addendum No. 2.

117. The Earthwork quantities appear to be overstated. Combining 201.1000 Clearing and Grubbing incidental stripping, 202.3000 Removal of AC Pavement quantity inside the roadway grading limits and, 203.0100 Roadway Excavation takeoff quantity results in less than the quantity listed for 203.0100 Roadway Excavation. Please confirm the project excavation quantities.

Please see Addendum No. 2.