MAY 3 1 2018

Mr. Fooney Freestone  
Nan, Inc.  
636 Laumaka Street  
Honolulu, Hawaii 96819

Dear Mr. Freestone:

Subject: Honolulu Rail Transit Project  
Contract Number: CT-HRT-1800230  
City Center Utilities Relocation Construction Contract  
Executed Contract Transmittal – Notice to Proceed

The Honolulu Authority for Rapid Transportation (HART) has executed the City Center Utilities Relocation Construction Contract (CCUR), Contract No. CT-HRT-1800230. A copy of the contract document is enclosed for your file.

Pursuant to the Agreement, Section 2, Notice to Proceed, this serves as Nan, Inc.’s written Notice to Proceed, effective on the date of this letter. Please note, pursuant to the Agreement, Section 4, Term, the term of the Contract will not commence until issuance of the Notice to Proceed on the first issued Task Order.

We look forward to working with you on this project. If you have any questions regarding this matter, please do not hesitate to contact the Transit Mailbox at transitmailbox@honolulu.gov.

Very truly yours,

Andrew S. Robbins  
Executive Director and CEO

Enclosure
This Contract for construction services ("Contract" or "Agreement") is entered into and effective \textsc{May 31, 2018} ("Effective Date") by and between the HONOLULU AUTHORITY FOR RAPID TRANSPORTATION ("HART"), a semi-autonomous agency of the City and County of Honolulu, ("the City") whose principal place of business and mailing address is Ali‘i Place, 17th Floor, 1099 Alakea Street, Honolulu, Hawaii 96813 and Nan, Inc. (the "CONTRACTOR"), whose principal place of business and mailing address is 636 Laumaka Street, Honolulu, Hawaii 96819, collectively referred to herein as the "Parties," and individually as a "Party," all as governed by the context in which such words are used.

WITNESSETH:

WHEREAS, HART issued RFP-HRT-1800532 on December 21, 2017 for City Center Utilities Relocation work for the Honolulu Rail Transit Project ("HRTP"); and

WHEREAS, the Contractor was selected pursuant to Hawaii Revised Statutes ("HRS") Section 103D-303, as amended, and related Hawaii Administrative Rules ("HAR"), relating to competitive sealed proposals;

NOW, THEREFORE, HART and the Contractor, in consideration of the foregoing and of the mutual promises hereinafter set forth, and intending to be legally bound, hereby mutually agree as follows:

1. Work. The Contractor shall provide all services, including labor, materials, and equipment, to complete the Work required in accordance with the Contract Documents and the Task Orders issued under this Contract.

2. Notice to Proceed. Work under the Contract shall not proceed until HART has issued a written Notice to Proceed ("NTP"). Any work undertaken by the Contractor prior to issuance of the NTP will be the sole responsibility of and will be undertaken at the sole risk of the Contractor, without any obligation on the part of HART.

3. Contract Documents. This Agreement, along with the documents listed below and incorporated by reference herein, comprise the "Contract Documents," "Contract," or "Agreement." The Contract Documents are listed in descending order of precedence, with the latest taking precedence over older versions:

   - Task Order(s), the Agreement Form, Contract Amendments, Change Orders, with the latest issued taking precedence over any proceeding conflicting term;
   - The most recent Addenda shall govern over previously-issued Addenda and solicitation documents (RFP-HRT-1800532), including the specifications and drawings;
• Special Provisions;
• HART's General Conditions of Construction Contracts ("General Conditions" or "GC");
• Technical Specifications and Documents;
• The Reference Materials; and
• The Contractor's bid proposal and required submissions dated February 23, 2018, Contractor's Best and Final Offer dated April 2, 2018, and Contractor's subsequent Best and Final Offer dated April 20, 2018.

To the extent that the Contractor's Proposal contains provisions which exceed the requirements set forth in the other Contract Documents, then those provisions shall be construed as the minimum Contract requirements.

4. Term. The term of this Contract shall be for 1,408 consecutive calendar days (ccd) from issuance of the NTP on the first issued Task Order unless extended by mutual agreement of the Parties in accordance with the contract.

5. Contract Cost. This is an indefinite delivery indefinite quantity contract wherein work will be issued on a task order basis and HART agrees to pay the Contractor for the satisfactory completion of the Work in accordance with the terms of the Contract in an amount that shall not exceed the Contract Ceiling amount of FOUR HUNDRED MILLION and 00/100 DOLLARS ($400,000,000.00). Task Orders may be issued on a firm-fixed price, unit price, or time and materials basis. The payments for Work performed under the Contract are all inclusive of, but not limited to, labor, overhead, general and administrative expenses, other direct costs, subcontractor costs, fixed fees, and all applicable taxes, State general excise and use tax (GET) and county one-half percent (0.5%) GET surcharge. The Contractor shall not pass through any future increases in tax to HART.

6. Cost and Pricing Data. The Contractor hereby certifies that, to the best of its knowledge and belief, cost or pricing data, as defined in HAR § 3-122-122 and submitted pursuant to HAR § 3-122-125, is accurate, complete, and current as of the Effective Date. This certification includes any cost or pricing data included in the Contractor's proposal.

7. Notices. Any notice required or permitted hereunder to be given shall be written and shall either be delivered personally or mailed by certified mail to the address and person designated by each Party below. Any change of address of either of the Parties shall be effective upon receipt of written notice of such change by the other Party.

Notices to HART shall be sent to HART's Executive Director and CEO as follows:

Andrew S. Robbins
Executive Director and CEO
Honolulu Authority for Rapid Transportation
1099 Alakea Street, Suite 1700
Honolulu, Hawaii 96813

Contract No. CT-HRT-1800230
Notices to the Contractor shall be sent to:

Fooney Freestone  
Nan, Inc.  
636 Laumaka Street  
Honolulu, Hawaii  96819

8. This Contract cannot be modified except by written instrument signed by both parties.

IN WITNESS WHEREOF, HART and the Contractor have executed this Contract by their duly authorized officers or agents on the day and year first above written.

HONOLULU AUTHORITY FOR RAPID TRANSPORTATION  
NAN, Inc.

By:  
Its  
Interim Executive Director and CEO  
By:  
Its  
President

APPROVED AS TO FORM AND LEGALITY:

Deputy Corporation Counsel  
USA S. HIRAHARA
The attached contract for City Center Utilities Relocation (CCUR) Contract

CONTRACT NO. CT-HRT-1800230
FUND Transit Bond Fund (695)
ACCOUNT NO. 695 / 7790 - 18 = $400,000,000.00 (4263) D011

New Contract Total $400,000,000.00

is hereby approved as to availability and designation of funds, and certification is hereby made that there is a valid appropriation from which expenditures to be made under said contract may be made and that sufficient unencumbered funds will be available in the Treasury of the City and County of Honolulu to the credit of such appropriation to pay the amounts of such expenditures when the same become due and payable.

HONOLULU, HAWAII
Date: MAY 31, 2018

Executive Director and CEO
Honolulu Authority for Rapid Transportation

Date: 5/31/18
Fiscal Officer
Honolulu Authority for Rapid Transportation
STATE OF HAWAII

CONTRACTOR'S ACKNOWLEDGMENT

STATE OF ___________________ ) S.S.
____________________ COUNTY OF ___________________)

On this __________ day of __________, __________, before me appeared

________________________, and ____________________________ to me

known, to be the person(s) described in and, who, being by me duly sworn, did say that he/she/they is/are

________________________ and ____________________________ of

________________________ the

CONTRACTOR named in the foregoing instrument, and that he/she/they is/are authorized to sign said
instrument on behalf of the CONTRACTOR, and acknowledges that he/she/they executed said instrument as
the free act and deed of the CONTRACTOR.

________________________

(Notary Public, State of ___________________)
My Commission Expires: __________

________________________

(Signature)

________________________

(Print name)

________________________

Doc. Date: __________

________________________

No. of Pages: __________

________________________

Jurisdiction: ___________________.

________________________

Signature of Notary

________________________

Date of Certificate

________________________

Printed Name of Notary
I, Ryan Nakaima, Senior Vice President/Secretary of Nan, Inc. a Hawaii Corporation, do hereby certify that the following is a full, true and correct copy of a resolution duly adopted by the Board of Directors of said Corporation, at its meeting duly called and held at the office of the Corporation, 636 Laumaka Street, Honolulu, Hawaii on the 31st day of July, 2017, at which a quorum was present and acting throughout; and that said resolution has not been modified, amended or rescinded and continues in full force and effect;

"RESOLVED that the individual at the time holding the position of President, Senior Vice President, Executive Vice President, Vice President, Secretary or Treasurer be and each of them hereby is, authorized to execute on behalf of the Corporation any bid, proposal or contract for the sale or rental of the products of the Corporation or for services to be performed by the Corporation to execute any bond required by any such bid, proposal or contract with the United States Government or the State of Hawaii or the City and County of Honolulu or any County or Municipal Government of said State or any department of subdivision of any of them to execute mortgage and Promissory note.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of said Nan, Inc. Corporation, this 8th day of May 2018.

Senior Vice President

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President/Treasurer
Fooney Freestone
3412 Kahikolu Way
Honolulu, HI 96819
Ph: 808.551.9499

Senior Vice President/Secretary
Ryan Nakaima
95-202 Kelakela Place
Milibani, HI 96789
Ph: 808.222.8186

Executive Vice President
Lane Uchimura
136 Ho‘olako Place
Honolulu, HI 96825
Ph: 808.284.7711

Vice President
Frank Okimoto
98-1748 Kupukupu Street
Aiea, HI 96701
Ph: 808.230.9568
SPECIAL PROVISIONS

FOR

HONOLULU AUTHORITY FOR RAPID TRANSPORTATION
CITY CENTER UTILITIES RELOCATION
CT-HRT-1800230

These SPECIAL PROVISIONS ("SP") are intended to modify, amend, and provide specific Project requirements to the General Conditions of Construction Contracts for the Honolulu Authority for Rapid Transportation (12/2014) ("General Conditions" or "GCCC") and the City Center Utilities Relocation Contract.

This is an Indefinite Delivery Indefinite Quantity ("IDIQ") contract wherein work will be initiated via issuance of Task Orders. As such, all references in the GCCC to "Contract" shall apply equally to Task Orders issued under the Contract unless the context of the provision clearly indicates otherwise.

The SPs are organized as follows:

- SP-1 through SP-7 modify or supplement the General Conditions;
- SP-8 provides additional performance requirements specific to the Project;
- Appendices
  - Appendix A – Federal Requirements
    - Required Federal Clauses
    - Attachment 1.6a) – DBE Participation Report
    - Attachment 1.6b) – Final Report of DBE Participation and Instructions for Completion of the Final Report of DBE Participation
  - Appendix B-1 Task Order Procedures
  - Appendix B-2 Task Order Form

CHAPTER SP-1 TO SP-7

1. SECTION SP 1.2 Order of Precedence/Contract Documents

GCCC Section 1.2 shall be deleted in its entirety and replaced with the following:

"1.2 Order of Precedence/Contract Documents.

The separate parts of the solicitation document and resulting contract, including the plans and specifications, are intended to complement each other. The order of precedence of these documents in the event of conflicting terms is as follows:

(a) Task Order(s), the Agreement Form, Contract Amendments, Change Orders, with the latest issued taking precedence over any proceeding conflicting term;
(b) The most recent Addenda shall govern over previously-issued Addenda and
solicitation documents, including the specifications and drawings;
(c) Special Provisions;
(d) HART’s General Conditions of Construction Contracts (“General Conditions” or “GC”);
(e) Technical Specifications and Documents;
(f) The Engineering Data and Reports; and
(h) The Contractor’s bid proposal and required submissions.

The listed documents hereinabove comprise the “Contract Documents,” which is also referred to as the “Contract” or “Agreement.” To the extent that the Contractor’s Proposal contains provisions which exceed the requirements set forth in the other Contract Documents, then those provisions shall be construed as the minimum Contract requirements.”

2. SECTION SP 2.1 Definitions

GCCC Section 2.1 shall be amended by including the following term set forth below:

“‘Task Order’ means an order for services placed against an established contract as prescribed in Special Provisions Attachments B-1 and B-2 of the Contract.”

3. SECTION SP 2.2 References and Abbreviations

GCCC Subsection 2.2(c) is hereby deleted in its entirety and shall be replaced with the following:

“(c) Whenever a referenced standard contains administrative requirements, including measurement and payment provisions, such as the standard specifications of various governmental entities, utility districts, and other agencies, such administrative requirements shall not apply to the Work of this Contract. References to such standards shall only be applicable to the pertinent Technical Specifications of the Work item(s). Measurement and payment shall be specified in the Task Orders issued under the contract, in SP 8.10 Measurement and Payment, and in Exhibit 22a Cost Proposal - Schedule of Rates Pricing Form.”

4. SECTION SP 2.13 Liquidated Damages

GCCC section 2.13 is hereby deleted in its entirety and shall be replaced with the following section 2.13 Liquidated Damages and Incentives:

“2.13 Liquidated Damages and Incentives

2.13.1 Basis of Liquidated Damages

It is mutually understood and agreed by and between the parties to the Contract that time shall be of the essence and that in the event the Contractor fails to complete the Work by
the stated completion dates set forth at the Contract and/or Task Order level, including the Substantial Completion Date(s), HART will be damaged thereby, and that the amount of such damages, including, but not limited to, expenses for inspection, administration, insurance, and other costs arising from Contractor's failure to complete the Work in a timely manner, are difficult, if not impossible, to ascertain and prove. Accordingly, it is hereby agreed that the Contractor shall pay to HART such damages as liquidated damages, and not by way of penalty, in the amount(s) set forth in Section 2.13.2 below for each calendar day (including weekends and holidays) beyond the Task Order stated completion date(s) that the Contractor fails to complete the Work. The Contractor expressly authorizes HART to determine the reasonable amount of the liquidated damages in accordance with SP-2.13.2 below and deduct such amount from any monies due to the Contractor under the Contract. If the monies due to the Contractor are insufficient to pay the full amount of the liquidated damages as determined by HART or if no monies are due to the Contractor, the Contracting Officer shall invoice the Contractor for the amount due and owing and the Contractor shall tender payment in full within ten (10) days of receipt of the invoice.

2.13.2 Amount of Incentive Payments and Liquidated Damages

The following clause(s) set forth below shall be included in all Task Orders issued on this Contract wherein Incentive Payments and/or Liquidated Damages apply. The clause(s) shall be tailored at the Task Order level based on specific Task Order requirements.

“(a) Task Order Substantial Completion - Amount of Liquidated Damages:

In accordance with Special Provisions SP-2.13.1, in the event that the Contractor fails to achieve Substantial Completion of Task Order # ____ by the Task Order Substantial Completion Date, the Contractor agrees to pay HART Liquidated Damages in the amount of $_______ for each day of delay, starting on the day after the Task Order Substantial Completion Date through and including the date Task Order Substantial Completion is actually achieved.

(b) Task Order Substantial Completion - Amount of Incentive Payments:

In the event the Contractor achieves Substantial Completion of Task Order # ____ prior to the Task Order Substantial Completion Date, HART agrees to pay the Contractor Incentive Payment(s) in the amount of $_______ for each day of early completion, starting on the day Task Order Substantial Completion is actually achieved through, and including, the Task Order Substantial Completion Date.”

5. Chapter 3 — Modifications and Termination

A. SUBSECTION SP 3.1(d)

GCCC Subsection 3.1(d) shall be deleted in its entirety and replaced by:

“(d) Unilateral Change Order. In the event the parties cannot come to an agreement, HART, at its sole discretion, may issue a unilateral change order. In such an event, the
Contractor shall continue to provide timely services, provided, however, that HART makes provisional adjustments in payment and/or time for performance of the changed work as may be reasonable. Within thirty (30) days after receipt of a Unilateral Change Order, the Contractor shall file a notice of intent to assert a claim for an adjustment. The requirement for filing a timely written notice shall be a condition precedent to the assertion of a claim."

B. SECTION SP 3.3 Price Adjustment

GCCC Subsection 3.3(a) shall be deleted in its entirety and replaced by:

“(a) Price Adjustment Methods. Any adjustment in Contract price pursuant to a clause in this Contract shall be made in one or more of the following ways:

(1) By agreement on a fixed price adjustment before commencement of the pertinent performance;
(2) By unit prices specified in the Contract or subsequently agreed upon before commencement of the pertinent performance;
(3) By the costs attributable to the events or situations under such clauses with adjustment of profit or fee, all as specified in the Contract or subsequently agreed upon before commencement of the pertinent performance;
(4) Work that is paid for on a force account basis will be in accordance with the requirements specified in the Contract (Chapter 5 of the General Conditions); or
(5) In any other manner as the parties may mutually agree upon before commencement of the pertinent performance.”

GCCC Subsection 3.3(c) Maximum Allowable Overhead and Profit in Price Adjustments shall be amended by adding the following sentence to the end of the subsection:

“All proposed profit allowances shall be supported by a profit analysis and determined in accordance with Federal Acquisition Regulation (“FAR”) 15.404-4.”

6. SECTION SP 3.5 Variations in Estimated Quantities

GCCC Section 3.5 shall be deleted in its entirety and replaced by:

“3.5 Variations in Estimated Quantities.

(a) Quantities or measurement in the RFP, if any, are given for the convenience of the Contractor. It is assumed that the unit prices made by the Contractor are based on a thorough knowledge of the existing conditions and the kind of work to be performed. It is expressly understood and agreed by the Contractor that the quantities and measurements of the Work to be done and the materials to be furnished during the RFP were for evaluation purposes only. The Contractor will make no claim for anticipated profits, or for loss of profits, due to a difference between the quantities or measurements stated in the RFP.
(b) Unless otherwise specified, all quantities appearing in the solicitation are approximate, and those indicated in the document are prepared solely for the comparison of offers only. Contractor’s prices set in Exhibit 22a Cost Proposal - Schedule of Rates Pricing Form (“SOR”) include the entire cost of the materials and equipment required for the full performance of the work required, and it is understood and agreed that there is included in each lump sum or unit-priced item, the entire cost of any and all items incidental to the performance of the work covered by such lump sum or unit-priced item as described in the Task Order. Quantities shown in Exhibit 22a, SOR are approximate based on anticipated construction activities and could increase/decrease by a factor of 15% based upon actual field conditions and final development of the individual Task Orders.

(c) All quantities of work actually completed in place under the Contract shall be measured by HART. These measurements shall be considered correct and final unless the Contractor files a written objection in accordance with SP 8.10.”

7. SECTION SP 3.8 Delays and Time Extensions; Force Majeure

GCCC Section 3.8 is hereby amended by adding the following new Subsection 3.8(d), Duty to Mitigate Damages, as follows:

“(d) Duty to Mitigate Damages. Contractor shall have the duty to mitigate damages that would otherwise be recoverable pursuant to this Contract, including damages associated with anticipated and actual delays in the performance of the Work, by taking appropriate actions to reduce or limit the amount of such damages. Contractor’s duty to mitigate applies regardless of the cause or party responsible for the delay and may require the Contractor to seek mitigation measures amongst all Task Orders issued under the Contract.”

8. SECTION SP 4.1 Performance and Payment Bonds

GCCC Subsection 4.1(a) shall be deleted in its entirety and replaced with the following:

“(a) Performance and payment bonds are required under this contract. For this construction Contract, each bond shall be in an amount equal to one hundred percent (100%) of the amount of each individual Task Order issued under the Contract. The performance and payment bonds shall be delivered by the Contractor to HART before or at the time the Task Order is executed. Work shall not commence on the Task Order until the required performance and payment bonds are delivered to HART. Should the Contractor refuse to deliver the performance and payment bonds the Contract may be terminated for default pursuant to GCCC Section 3.9 and the Contractor shall be subject to a claim for all resulting damages to include the cost of re-procurement of the Contract or Task Order and any delay to the overall program schedule.”

9. SECTION SP 5.1 Payment
References to “Contract” in this section shall apply equally to Task Orders issued under the contract.

10. CHAPTER SP-6 – CLAIMS PROCEDURES, DISPUTES AND REMEDIES

GCCC Chapter 6 shall be deleted in its entirety and replaced with the following:

“Chapter SP-6 - Claims Procedures, Disputes and Remedies

SP 6.1 Claims Procedures

(a) This Section outlines the procedure to be followed if the Contractor believes that it is entitled to additional compensation, additional time, or both.

(b) Notice of Contractor Claim. When the Contractor believes it is entitled to additional compensation, additional time, or both, the Contractor shall notify HART in writing within the time frame specified in the applicable Contract provision; provided, however, that if no time frame is otherwise specified, the Contractor provide written notification of its claim to HART within fourteen (14) days after commencement of the event which gives rise to the Contractor’s claim for additional compensation, additional time, or both.

(c) Submission of Contractor Claim. The Contractor shall thereafter submit its claim within thirty (30) days after giving written notice to HART. The claim shall include the following supporting documentation:

(1) A description of the event that gave rise to the Contractor’s claim for additional compensation or time, or both;

(2) The date the event commenced and the date the event concluded;

(3) If the Contractor is seeking additional compensation, the Contractor shall provide a CPC or a detailed estimated amount of additional cost to HART;

(4) If the Contractor is seeking additional time, the Contractor shall specify the amount of additional time it believes it is entitled to and a time impact analysis supporting the Contractor’s claim for additional time; and

(5) The Contract provisions that support the Contractor’s claim.

(d) HART may request additional documentation from the Contractor at any time regarding the Contractor’s claim. The Contractor’s failure to provide the requested documentation within twenty (20) days of HART’s request when such documentation exists constitutes a waiver of that portion of the Contractor’s claim to which the additional documentation relates.
(e) If the Contractor does not provide a timely written notice of a claim under Section 6.1(b) or timely file its claim under Section 6.1(c), the Contractor’s claim shall be waived.

(f) If HART agrees that the Contractor’s claim has merit, the parties shall negotiate a Change Order pursuant to Chapter 3 of the General Conditions.

(g) If HART determines that the Contractor’s claim has no merit and denies the Contractor’s claim, the Contractor shall continue promptly with the Work. HART’s denial shall be binding on the Contractor unless the Contractor requests a written decision from the Officer-in-Charge within thirty (30) days from receipt of HART’s denial of claim.

SP 6.2 Dispute Resolution

(a) The rights and remedies provided in this Contract are in addition to any other rights and remedies provided by law.

(b) The parties shall each make a good faith effort to resolve all claims by mutual agreement commencing at the project management level before a claim is escalated. Unless otherwise directed by HART, the Contractor shall diligently proceed with its performance under the Contract while matters in dispute are being resolved.

(c) All attempts to resolve a claim, including but not limited to, offers to resolve a claim, are subject to Rule 408 of the Hawaii Rules of Evidence (HRE). The parties expressly agree and acknowledge that pursuant to HRE Rule 408, evidence of conduct or statements made during good faith attempts to resolve a claim are not admissible to prove liability for or invalidity of the claim or its amount.

(d) Decision of the Officer-in-Charge. Any question or dispute concerning the Contract which cannot be resolved by mutual agreement shall be decided by the Officer-in-Charge in a written decision.

(e) Mediation. Any party aggrieved by a written decision of the Officer-in-Charge may request that the matter be submitted to non-binding mediation. The request for mediation must be in writing and provided to the other party within sixty (60) days of the date the Officer-in-Charge issues a written decision. The mediator shall be chosen by mutual agreement and the cost of the mediation shall be borne equally by the Contractor and HART.

(f) Contracting Officer Decision. If the dispute is not resolved by the decision of the Officer-in-Charge or cannot be resolved by mediation, any party aggrieved by the Officer-in-Charge’s decision may request that the Contracting Officer issue a final written decision; provided, however, that the request for a final written decision must be in writing and submitted to the Contracting Officer within thirty (30) calendar days after the receipt of the Officer-in-Charge’s written decision or when the mediator declares an impasse, whichever is later. The Contracting Officer will issue a written decision within the following time limitations:
(1) For disputes or for claims not exceeding fifty thousand dollars ($50,000): ninety (90) calendar days after receipt of the claim.

(2) For claims exceeding fifty thousand dollars ($50,000): ninety (90) calendar days after receipt of the claim; provided that if a decision is not issued within ninety (90) calendar days, the Contracting Officer shall notify the Contractor of the time within which the Contracting Officer will make the decision. The reasonableness of this time period will depend on the size and complexity of the claim and the adequacy of the Contractor's supporting data and other relevant factors.

If a decision on a controversy or a claim not exceeding fifty thousand dollars is not made within ninety (90) calendar days after receipt, or if a decision is not made within the time promised for a claim in excess of fifty thousand dollars, the Contractor may proceed as if an adverse decision has been received.

The Contracting Officer may request additional information from the Contractor regarding a claim. The Contractor's failure to provide additional information when requested and when such information exists constitutes a waiver of that portion of the claim to which the additional information pertains.

The Contracting Officer's final written decision shall include:

i. A description of the claim;
ii. A reference to the pertinent Contract provisions;
iii. A statement of the factual areas of agreement or disagreement;
iv. A statement of the Contracting Officer's decision, with supporting rationale;
v. A statement that the decision is final and conclusive, unless fraudulent, and may be appealed by initiating judicial action pursuant to HRS § 103D-711 by filing a complaint in the Circuit Court of the First Circuit of the State of Hawaii within six (6) months of the date the determination is received; and
vi. A statement that if an action is initiated, a copy of the complaint is to be furnished to the Contracting Officer.

The Contracting Officer shall immediately furnish a copy of the decision to the Contractor, by certified mail, return receipt requested, or by any other method that provides evidence of receipt. Any such decision shall be final and conclusive, unless fraudulent, or unless the Contractor brings an action seeking judicial review of the decision in a circuit court of this State within (6) six months from the date of receipt of the decision.

The amount determined payable pursuant to the decision, less any portion already paid, normally should be paid without awaiting Contractor action concerning appeal. Such payments shall be without prejudice to the rights of either party and where such payments are required to be
returned by a subsequent decision, interest on such payments shall be paid at the statutory rate from the date of payment.

The Contractor shall comply with any decision of the Officer-in-Charge and Contracting Officer and proceed diligently with performance of the Contract pending final resolution by a circuit court of this State of any dispute arising under, or by virtue of, the Contract, except where there has been a material breach of contract by HART; provided that in any event the Contractor shall proceed diligently with the performance of the Contract where the Contracting Officer has made a written determination that continuation of work under the Contract is essential to the public health and safety. [Chapter 3-126, subchapter 3, HAR]

(g) Disputes involving HART claims against the Contractor. All disputes involving claims asserted by HART against the Contractor which cannot be resolved by mutual agreement shall be the subject of a decision by the Contracting Officer or designee as applicable. [HAR 3-126-29]

(h) Cost of Dispute. The Contractor shall pay to HART the amount of HART’s costs, including but not limited to, attorneys’ fees, consultants’ fees and expenses, if HART prevails on its claim against the Contractor or successfully defends against a claim asserted by the Contractor.

(i) FTA concurrence may be required for any settlement or judgment entered by a court having competent jurisdiction. The FTA reserves the right to concur in any compromise or settlement of any claim involving this Contract.

END OF CHAPTER”

11. SECTION SP 7.1 General

GCCC Subsection 7.1.2(b), Commencement of Work, shall be amended by adding the following sentence to the beginning of the subsection:

“Work will be assigned on a Task Order basis. Preparation of Task Orders will be pursuant to Special Provisions Attachments B-1 and B-2. The Contractor is precluded from refusing a Task Order issued under the Contact. Failure to provide performance and payment bonds and/or failure to perform Work under a Task Order issued under the Contract in a timely manner shall be deemed a rejection of the Task Order by the Contractor and HART has the right to either self-perform or have the Work performed by another Contractor.”

GCCC Subsection 7.1.10(f) shall be deleted in its entirety and replaced with the following:

“(f) Performance Bond. Unless otherwise specifically stated elsewhere in the Task Order that a longer period is intended, a Task Order performance bond shall be in full force and effect for the duration of the Task Order and for a period of one year after final acceptance of the Task Order by the Officer-in-Charge.”

CT-HRT-1800230
City Center Utilities Relocation
12. SUBSECTION SP 7.3.2 Utilities Relocation; New Connection Services

GCCC Subsection 7.3.2(c) shall be deleted in its entirety and replaced with the following:

"(c) Utilities Relocation. All Work and Payment associated with relocation of utilities shall be specified in Task Orders issued under the Contract."

13. SUBSECTION SP 7.3.3 Known Utilities and Similar Facilities

GCCC Subsection 7.3.3(a) shall be deleted in its entirety and replaced with the following:

"(a) Where removal or relocation of known utilities is necessary to accommodate construction, such removal or relocation shall be specified in Task Orders issued under the Contract and be performed at the unit prices for the various items of Work as set forth in the Schedule of Rates, unless it is specified in the Task Order that it will be performed by HART or others."

13. SUBSECTION SP 7.5.2 Key Personnel and Project Organization

GCCC Subsection 7.5.2(a) shall be deleted in its entirety and replaced with the following:

"(a) The Contractor shall identify key personnel necessary to fulfill the requirements of Task Orders issued under the Contract. Such personnel identified in the Contract Documents and discussed below shall support Task Orders issued hereunder and the associated level of effort will be identified at the Task Order level. Pricing, measurement, and payment for Work associated with these personnel will be established at the Task Order level.

14. SECTION SP 7.6 Construction Progress Documentation

GCCC subsection 7.6 shall be deleted in its entirety and replaced with the following:

"SP 7.6 Construction Progress Documentation

7.6.1 General

(a) Scheduling of Work performed by the Contractor under this Contract shall be in accordance with the requirements of this Section.

(1) The requirements specified herein are established to ensure adequate planning, scheduling, management, and execution of the Work by the Contractor and to enable HART to validate progress and validate the Contractor payment requests.

(2) Development of the Task Order (TO) Schedule, cost loading of the schedule, monthly TO Schedule Updates, payment requests, and TO status reporting requirements of the Contract..."
shall employ computerized Critical Path Method (CPM) scheduling, using Primavera P6 Professional Project Management Version 8.3 or later (hereafter referred to as “Primavera” or “P6”).

(3) Submit schedules and reports as specified in this Section, but at a minimum once per month with the Contractor’s payment request.

(4) The Contractor shall follow HART’s guidelines regarding required Project coding structure, Work Breakdown Schedule (WBS) dictionary and terminology, and Primavera Methodology.

(5) The Contractor shall be responsible for (a) Critical Path Method Schedule, (b) analyzing and reporting schedule progress, (c) forecasting future schedule performance, and (d) estimating, monitoring, and reporting monthly costs.

(b) Task Order Schedule

The Contractor shall develop, submit, and maintain a cost-loaded Task Order Schedule within 30 days of TO NTP to effectively manage and control the performance of the Work. The TO Schedule shall logically incorporate all construction activities for the entire Task Order. In addition to the logical construction activities, the TO Schedule shall also include the times for procuring materials and equipment, Contractor quality control, acceptance testing, and training. If any construction activity requires HART review, that submittal review time shall be included in the TO Schedule. TO Schedule Requirements include, but are not limited to, the following:

(1) HART’s WBS, Global Activity Codes, and activity naming conventions shall be incorporated through use of the HART provided P6 schedule template into the BPS.

(2) The TO Schedule shall include required milestones as directed by the TO.

(3) The CPM shall be extracted, identifying the BPS critical path and longest path.

(4) The Contractor shall provide the BPS TO Schedule electronically in Primavera (.xer) and Adobe (.pdf) formats.

(5) At a minimum, the Contractor shall utilize the established Global activity codes for each activity as included in the schedule template. Once established, activity codes and values cannot be changed without approval of the Officer-in-Charge.

(6) Other requirements of the BPS TO Schedule shall include, without limitation, as follows:

(A) Construction activities are to be shown in work days (material procurement can be in calendar days);
(B) The BPS TO Schedule shall not have any activity with a duration longer than 20 working days, with the exception of submittal review/approval, material fabrication /
procurement activities, unless otherwise approved by HART. Activity duration shall equal total number of actual working days required to perform that activity, excluding weekends, holidays, and non-work periods;
(C) Show contract milestones and completion dates. At a minimum, show project start date milestone, Substantial Completion Date, Contract Completion Date, Final Acceptance milestones, constraints, sequence of work and operational restrictions specified in the Contract;
(D) Identify as separate activity, HART-furnished materials and equipment, if any.
(E) Approvals, tests or inspections required by or performed by regulatory agencies or other third parties;
(F) Dependencies (or relationships) between activities;
(G) Cost loading shall consist of the total contract price of performing each activity and the budgeted quantity associated with that price. This data will correspond directly with the schedule of values which will form the basis of monthly payment requests. The sum of prices for all activities shall equal TO price;
(H) Show the interface with Work of other contractors, HART, and other agencies such as utility companies, including access to and availability of Work areas.
(I) With the exception of the Contract execution and Contract Completion Date milestone activities, no activity shall be open-ended. Each activity shall have predecessor and successor ties.
(J) Once an activity exists on the schedule it may not be deleted or renamed to change the scope of the activity and shall not be removed from the schedule logic without approval of the Officer-in-Charge. The ID number for a deleted activity shall not be re-issued for another activity;
(K) Submit a written narrative discussing basic assumptions, detailed activities, restraints, productivity and installation rates, construction staging plans, maintenance of traffic, quantities, potential problem areas, permits, construction equipment planned, construction phases being considered, and other elements related to developing the TO Schedule;
(L) Submit a list of anticipated non-working days, such as weekends and holidays. The schedule shall exclude in its working day calendar all non-working days on which Contractor anticipates critical Work not be performed.

(c) Schedule Acceptance Prior to Start of Work

The Contractor shall schedule a preliminary meeting after TO execution to discuss the proposed schedule and requirements prior to the Contractor preparing each TO Schedule.

(d) Scheduling Software; Software Settings and Restrictions

(1) Project schedules shall be prepared and maintained using Primavera P6 or later version as directed by HART. Importing data into P6 using data conversion techniques or third party software will be cause for rejection of the submitted schedule.

(2) Software Settings and Restrictions.

(A) Activity constraints: Date/time constraints, other than those required under the TO,
will not be allowed, unless accepted by the Officer-in-Charge.

(B) Identify any constraints proposed and provide an explanation for the purpose of the constraint in the schedule narrative report.

(C) Default Progress Data Disallowed: Actual start and actual finish dates on the CPM schedule shall match the dates on the Contractor Quality Control and production reports.

(D) Scheduling calculations and out-of-sequence progress, if applicable, shall be handled through “Retained Logic,” not “Progress Override.” All activity durations and float values will be shown in Work days. Activity progress will be shown using “Remaining Duration.” Default activity type will be set to “Task Dependent.”

(3) TO Project Schedule Settings and Parameters. The following settings and parameters shall be included in preparing the TO Schedule, however, may be changed or added by HART during the term of the Contract:

(A) General: Contractor’s Calendars and Activity Codes should be defined or established at the “Project” level, not “Global” level;

(B) The “Time Periods” tab under “Admin Preferences” should be set as follows:

(i) Time periods for P6 should be set to 8.0 hours/day, 40.0 hours/week, 172.0 hours/month and 2000 hours/year;
(ii) The “Allow users to specify the number of work hours for each time period” should be unchecked.

(C) Under the “Project Level, Date” tab, set “Must Finish By” date to “Contract Completion Date.”

(D) Under “Project Level, Default” tab, set as follows:

(i) Duration Type: Set to “Fixed Duration & Units”;
(ii) Percent Complete Type: Set to “Physical”;
(iii) Activity Type: Set to “Task Dependent.”
(iv) Calendar: Set to “Standard 5 Day Workweek.” The calendar shall reflect Saturday, Sunday, Federal and State holidays, and all non-work days. Alternative calendars may only be used with the Officer-in-Charge’s approval.

(E) The “Project Level, Calculations” tab should be set as follows:

(i) “Reset remaining duration and units to original”: Should be checked;
(ii) “Subtract actual from at completion”: Should be checked;
(iii) “Recalculate actual units and cost when duration % complete changes”: Should be checked;
(iv) “Update units when costs change on resource assignments”: Should be checked; and
(v) “Link actual and actual this period units and cost”: Should be checked.

(F) The “Project Level, Settings” should be set as follows:
(i) "Define critical activities"; and
(ii) Check "Total float as the longest path."

(G) The "Work Breakdown Schedule Level, Earned Value" tab should be set as follows:

(i) Under "Technique for computing performance percent complete," select "Activity percent complete";
(ii) Under "Technique for computing estimate to complete (ETC)," select "ETC = remaining cost for activity."

(f) Current Project Schedule

(1) Following the acceptance of the Contractor's Schedule, the Contractor shall monitor progress of the Work and adjust the schedule each month to reflect accurate progress. The monthly updated schedule submission shall be referred to as the current or updated Project Schedule.

(2) The Contractor shall schedule and meet with HART (weekly) to discuss the current Project Schedule, progress of the Work, and any potential changes to the current TO Schedule. The Contractor gain HART concurrence of all changes before such changes are incorporated into the current Schedule. Contractor shall also bring to HART's attention the minor changes to the current Project Schedule that affect the sequences or durations. The current TO Schedule shall be updated monthly with progress (actual start dates, actual finish dates, remaining duration, and percent complete). The end of the monthly period shall be the last Friday of each month. The submission of an acceptable, TO Schedule to HART is a condition precedent to the processing of Contractor's pay request. An acceptable, updated TO Schedule shall be submitted to HART regardless of whether a Contractor's pay request will be submitted electronically for the given period. The Contractor shall submit the progressed TO Schedule with the Request for Payment and a narrative report containing:

(A) Progress made in each area of the Project;
(B) Critical path;
(C) Date/time constraint(s) other than those required by the Contract;
(D) Changes to activities, original or remaining durations that have not started, logic, planned sequence of operations, critical path, or cost loading;
(E) Any decrease in previously reported activity earned amount;
(F) Pending items and status thereof, including permits, change orders, and time extensions;
(G) Status of Contract Completion Date and interim milestones;
(H) Current and anticipated delays (describe cause of delay and corrective actions); and
(I) Description of current and future schedule problem areas.

(3) Earned Value Report: All listed activities shall be cost-loaded and have a budget amount. The earned value report shall include the compilation of total earnings on the Project from the Notice to Proceed to the current progress payment request. The report shall show the current
budget, previous physical percent complete, to-date physical percent complete, previous earned value, to-date earned value and cost to complete on the report for each activity.

7.6.5 Schedule of Values; Periodic Payment Schedule

(a) The Contractor shall extract from the TO Schedule a Schedule of Values with projected monthly payment schedule for the life of the TO with a breakdown of the Price Items and Values of the Work to be provided under the Contract.

(b) The Contractor shall provide a projection of the monthly payment schedule for the life of the Project, referred to here as the Periodic Payment Schedule (PPS). The PPS should reflect the Project Schedule and the estimated value of the Work to be completed on a monthly or periodic basis. The PPS cumulative value shall not exceed the Total Contract Amount. The Contractor shall update and revise the PPS prior to the next pay request.

(1) The cost-loaded TO Schedule will provide the basis for periodic payments and will include:

(A) Costs for material/equipment are paid for after installation, labor and construction equipment assigned to their respective construction activities;
(B) The value of inspection/testing activities shall not be less than 10% of the total costs for procurement and construction activities;
(C) The Contractor’s overhead and profit to each activity shall be evenly dispersed over the duration of the Project;
(D) Each cost-loaded activity shall have a detailed quantity breakdown and unit of measure.

(c) Contractor shall support and provide periodic special schedules as may be necessary for HART to report Contract status to the FTA.

7.6.6 Look Ahead Schedules

(a) Contractor shall prepare rolling “Look Ahead” Schedules for each weekly or bi-weekly progress meeting. Look Ahead Schedules shall be a detailed snapshot of the current TO Schedule covering the current 4-week Work Project period, including one past week, the current week, and the two weeks looking forward. The Look Ahead Schedules shall include efforts of all subcontractors and suppliers during this current period.

(b) Additionally, the Look Ahead Schedule shall include upcoming outages, closures, preparatory meetings, initial meetings, and critical path activities. The preparatory and initial phases for each definable feature of Work shall be added to each 4-Week Look Ahead Schedule and will also be included in each monthly update. The Look Ahead Schedule shall be keyed to current TO Schedule activity numbers.

7.6.7 Data Date
(a) Contractor shall base all reports, pay requests, schedule updates on a specific date(s) in the life of the Contract upon which the defined system of reporting is to provide actual project status, and accomplishments to date.

(b) The Data Date (DD) for documents, including TO status reports, progress measurements for payment, schedule updates, should be the last Friday of the month. The DD is also referred to as the “as-of-date” and the “time now date”.

15. SECTION SP 7.7 Photographic Documentation

GCCC section 7.7 shall be deleted in its entirety and replaced with the following:

“7.7 Photographic Documentation

The Contractor shall take photographs of Work progression for each Task Order issued under the Contract. The specific requirements as to the level of effort of photographic documentation will be set forth on individual Task Orders. At a minimum, the photographic documentation shall be at the following stages of construction:

(1) Date of initial access of all sites, as applicable,
(2) Before commencement of the Work,
(3) Weekly, during construction, and
(4) Upon completion of the Work.”

16. SECTION SP 7.8 Submittal Procedures

GCCC Section 7.8 shall be read to exclude the requirement for listed submittals to be provided via the HART Contract Management System (CMS). HART and the Contractor will establish a protocol for transmission of all submittal documents listed in GCCC Section 7.8 without the requirement for the Contractor to purchase and/or maintain CMS access. Other than the requirement to deliver submittals via the CMS system, all other submittal requirements of this section remain unchanged.

17. SECTION SP 7.15 Construction Facilities

GCCC Subsections 7.15.1 (b) through 7.15.1 (q) shall be deleted in their entirety. It is HART’s expectation that the Contractor shall manage and deliver all Task Orders from their home office.

18. SECTION SP 7.16. Maintenance of Traffic

GCCC Subsection 7.16.2 is deleted in its entirety and replaced with the following:

“7.16.2 Coordination with HDOT

(a) Coordinate Work with HDOT (Highways and/or Airport), as applicable, throughout the Project on a daily basis. Use MOT plans as templates to develop traffic plans for specific
construction operations in accordance with the following:

1. Submit MOT plans to HDOT or their representative, as applicable, for review and approval, and obtain an HDOT permit when constructing within State right-of-way. Plans for State Highways should be submitted to HDOT Oahu District.
2. Provide a 30-day advance notice to HDOT for any and all traffic restrictions on a State Highway lane or ramp, or within the Airport.
3. Coordinate with HDOT on all details of access and egress to the Work from HDOT right-of-way, and all details of construction staging areas within HDOT right-of-way.
4. A copy of a Master Agreement between HART and HDOT will be furnished to the Contractor upon Contractor’s request.
5. Obtain approval for all lane closures or restrictions within HDOT right-of-way proposed by the Contractor. These include closures or restrictions along State Highways, lanes, or ramps.
6. “Lane rental fee” applies to violations of HDOT maintenance of traffic restrictions. Contractor shall be responsible to pay for lane rental fees.
7. Obtain HDOT approval to close additional lanes, left-turn movements, and cross street movements not shown in the MOT plans. These closures may only be considered for non-peak traffic periods.”

19. SECTION SP 7.17 Discovery of Contaminated Material

GCCC subsection 7.17.1 (a) is hereby amended by adding the following sentence at the end of the subsection as follows:

“The requirements of this subsection may be amended as agreed to in the EHE-EHMP prepared for this Contract. The Programmatic EHE-EHMP applies to all ground disturbances.”

GCCC subsections 7.17.1 (b) – (c) shall be amended by excluding references to Project Technical Specifications “02 26 00 Discovery and Assessment of Suspect Contaminated Material” and “02 61 01 Removal and Disposal of Contaminated Material”.

GCCC subsection 7.17.1 is hereby amended by adding the following new subsection (e) as follows:

“(e) Cooperation with Hazardous Materials Contractor.

1. HART has contracted with a Hazardous Material Contractor, who is responsible for handling of all hazardous materials. Contractor shall cooperate and share the work site with HART’s Hazardous Materials Contractor.

2. If HART’s Hazardous Materials Contractor has rendered the hazardous material harmless, the Contractor shall handle the material in accordance with the contract requirements.
3. If HART’s Hazardous Materials Contractor cannot remediate the material at the site, it will be removed from the site by others.

4. No additional compensation will be provided for coordination with the Hazardous Materials Contractor nor for any delays caused due to this coordination.”

20. SECTION SP 7.19 Protection of Water Resources and Temporary Dust and Erosion Controls

GCCC subsection 7.19.1(a) shall be amended by including an additional reference to the CCH Administrative Rules 20-1: Rules Pertaining to Water Quality.

GCCC subsection 7.19.2(b) shall be amended by deleting subsections (2) and (3). The requirements of subsection (1) shall be specified at the Task Order level, as required.

21. SECTION SP 7.20 Invasive Species and Noxious Weed Management

GCCC Subsections 7.20.2, Contractor’s Duties and 7.20.3, Inventory and Eradication of Noxious Weeds shall be deleted in their entirety and relevant provisions shall be included at the Task Order level, as required.

22. SECTION SP 7.22 Environmental Compliance

GCCC Section 7.22 shall be deleted in its entirety and replaced with the following:

“7.22.1 General

(a) The Contractor shall prepare a Contract-level Environmental Compliance Plan (ECP) for the anticipated construction work to be done under the Contract. The Contractor shall use the HRTP Mitigation Monitoring Plan (MMP) (Attachment E) as guidance to prepare its ECP. The Contract ECP may be further detailed at the Task Order level as required.

(b) The Contract-level ECP must be approved by HART prior to the Notice to Proceed on the first Task Order.

7.22.2 Environmental Compliance Plan (ECP)

(a) The Contractor’s Contract-level ECP, at minimum, shall include the following:

1) Roles and Responsibilities: Identify roles, responsibilities and authority, and communication protocol for environmental matters. Include an organization chart for flow of communication to include names of on-site staff and HART members involved.

(A) Procedures for environmental emergency response:
(i) Names of contacts on Project team and regulatory authorities;
(ii) Office, 24-hour, and mobile telephone numbers, e-mail address; and
(iii) Actions to be taken during an environmental emergency situation.

(2) Pre-Construction General Assessment: The Contractor shall review relevant existing background reports and studies for Contract Corridor for environmental conditions and constraints, including but not limited to, historical, archaeological, cultural, and sensitive natural features. The ECP shall include HART provided environmental constraint maps showing the location and extent of wetlands, waterways, floodplains, and habitats; historical, archaeological, and cultural resources; ordinary high water mark; and other sensitive environmental resources.

(3) Permits:

(A) Identify all necessary environmental permits and approvals, including:

(i) List of all environmental permits and approvals obtained or to be obtained (including those obtained by HART), identifying the issuing regulatory authority contact information and anticipated schedule.
(ii) Date and duration of approval, and any conditions stipulated, in each environmental permit or approval.

(B) Identify key restrictions or limitations (e.g., limit of wetland fill, mitigation requirements).

(4) Resource Protection and Procedures:

(A) Describe the general procedures for protection of resources and describe the process for unanticipated impacts or finds, including archaeological resources or human remains. Detailed procedures may be required at the Task Order level. The Plan shall include procedures for the following, if applicable:

(i) Water quality and sediment/erosion control;
(ii) Air quality and dust control;
(iii) Noise and vibration control;
(iv) Archaeological resources;
(v) Historic properties;
(vi) Contaminated Material and construction waste management;
(vii) Water resources;
(viii) Wildlife and fish protection; and
(ix) Invasive species and noxious weeds – Task Order level only.

(5) Environmental Compliance Monitoring Program:

(A) The Contract ECP will identify general procedures for environmental
monitoring, reporting, and record keeping. Specific monitoring requirements including locations and frequency may be detailed at the Task Order level as required.

7.23.3 Environmental Compliance Monitoring Program

(a) The Contractor shall monitor the Project throughout construction to confirm adherence to regulations, approvals, permits, and environmental performance standards.

(b) Frequency of monitoring will be determined by the Contractor at the Task Order Level, which will be determined based on the level of construction activity, proximity of activity to sensitive resources, and the environmental issues associated with the Work location; and, a frequency that will ensure there is ongoing compliance with the applicable permits, laws, and regulations.

(c) Incidents of non-compliance noted by the Contractor’s field staff or HART shall be field reviewed by the Construction/Project Manager.

(d) Construction Monitoring Report

As part of the Environmental Compliance Monitoring Program, the Contractor shall submit to HART a monthly Environmental Construction Monitoring Report. This will be a summary-level report based on activities associated with the individual Task Orders for that month.

23. SECTION SP 7.24 Public Awareness and Community Relations

GCCC Section 7.24 is hereby deleted in its entirety and replaced with the following:

"SP 7.24 Public Awareness and Community Relations

7.24.1 General

The public awareness and community relations program is intended to keep the public, residents, business owners and other stakeholders informed about construction work the impacts that construction may have, and the Contractor’s commitment to lessen and mitigate disruptions to the extent possible. The program must address how best to prepare the community for construction work and include pre-construction coordination, business surveys, public outreach, business mitigation programs, stakeholder communications, construction impact mitigation programs, a process for responding to complaints related to construction work, and techniques for proactively working with businesses to lessen the impact of construction.

7.24.2 HART’s Roles and Responsibilities"
(a) HART’s Role. HART has overall responsibility for public awareness and community relations for the entire HRTP from East Kapolei to Ala Moana.

(b) HART’s responsibilities include:

(1) Providing leadership in establishing the Project’s communications policy and strategic direction;
(2) Providing overall public awareness and community relations goals and objectives;
(3) Reviewing the Contractor’s communications programs and products for consistency system-wide and in line with the HART’s overall public awareness and community awareness efforts;
(4) Conducting HART-sponsored public relations activities targeted to the general public; and
(5) Monitoring the Contractor’s performance for compliance with the Contractor’s public awareness and community relations program plan discussed below.

7.24.3 Contractor’s Roles, Responsibilities, and Requirements

(a) Contractor’s Role. The Contractor is the primary, in-the-field focal point for the public awareness and community relations program to successfully prepare affected neighborhoods and business owners for construction, and to mitigate the impact of construction. The Contractor’s responsibility is to fully implement its public awareness and community relations plan (the “PA/CR Plan”) developed for this specific Contract, described below, and to meet all the requirements set forth in Section 7.24 of the General Conditions. Through implementation of its PA/CR Plan, the Contractor is expected to increase public awareness and understanding of the construction work, collect public input and feedback from residents, schools, community organizations, and businesses impacted by construction, and to develop programs to address construction impacts. The PA/CR Plan must be refined and updated at least semi-annually based on feedback from the community and from HART. The Contractor must also be available to support HART’s public outreach efforts related to construction and business mitigation. The Contractor’s public outreach team must also hold weekly Public Outreach Task Force meetings with HART’s public outreach team to provide updates, status reports regarding their work, and highlight any issues or concerns in the field.

(b) Contractor’s PA/CR Plan. Within thirty (30) days of the NTP, the Contractor shall complete and submit to HART its draft PA/CR Plan. The PA/CR Plan shall address each of the topics described below and must be consistent with HART’s Public Involvement Plan. The PA/CR draft and final plan is a contract deliverable that is not complete until the final plan has been accepted by HART in writing.

(1) PA/CR Strategies: The PA/CR Plan shall include specific strategies
and plans for each of the following areas. The requirements set forth herein shall also be included in the PA/CR Plan:

(A) Pre-construction Coordination. Provide a detailed plan that explains how the Contractor will effectively coordinate with businesses, residents, schools, community groups and other organizations impacted by construction.

(B) Business Surveys. Provide a detailed plan for conducting business surveys in which the Contractor compiles a catalog of existing businesses directly on the project alignment fronting the construction zone and particularly in the immediate corridor where construction is anticipated to occur. These surveys shall include profiles that identify facility access, the type of business, and relevant details, such as how it receives deliveries and serves its customer base. This information shall become part of the PA/CR database, which the Contractor shall utilize during the course of construction as the Contractor develops its work plans in compliance with the Contract, a jurisdictional authority, or other third party interest.

(i) Database. The Contractor must accurately identify all stakeholders, including businesses, residents, schools, community groups and other organizations impacted by construction and shall log all contacts (including contacts made when canvassing1, during face-to-face visits, email, phone calls and other communications) it has made with the public into a PA/CR database. The information shall be entered into a searchable database within three (3) days of contact by the Contractor. The database and its content will be made available to HART upon request. The database shall include, at minimum, the following:

a) Contact name, business name, address, phone number;
b) Dates and times when contact was made;
c) Detailed descriptions of the type of business, including any relevant special needs, or challenges;
d) The person responding to the contact;
e) How the contact was made (in person, phone, e-mail, facsimile);
f) A brief description of the nature of the contact;
g) A brief description and sample of handouts or collateral;

1 "Door-to-door canvassing” for private residential areas means that the Contractor must identify landowners/property managers close to the alignment who will be the subject of canvassing efforts and conduit to send information to residential tenants. For buildings with multiple tenants, the Contractor shall route communication through the property managers/building owners who will then convey the information to tenants. For all businesses and buildings off the alignment, Contractor will be required to obtain basic contact information in their database in order to send construction notifications to fulfill the written notification construction requirements.
h) Any other data the Contractor deems appropriate to enhance its public awareness and community relations program and operations; and
j) A brief description of how and when any issues or concerns were resolved.

(C) Residents Preparation. Within 120 days of NTP, the Contractor shall develop a Construction Safety Awareness Training Program under which the Contractor will educate the public on how to co-exist with major construction in their community. The Contractor shall also identify the various materials that it will develop to use to reach the diverse demographics of the community’s stakeholders.

(D) Facilities Preparation. The PA/CR Plan will include details regarding how the Contractor will establish advance coordination with large institutional facilities, such as schools health care and community centers, and other service providers so that special access or environmental issues are properly coordinated between the Contractor and the institutional facilities. The coordination plan should include coordination with special departments within school districts as well as site facility management, who may have recommendations that may result in changes in access routes. The Contractor's goal and intent is to reduce interruptions to the operation of the facility or those who rely on its services. Contacts should be made in collaboration with HART’s public outreach team.

(E) Public Outreach. The Contractor shall develop a comprehensive strategic outreach plan to advise the public of construction activities, using a full range of communication tools. The PA/CR plan shall identify which communication tools will be used in order to be most effective. At a minimum, door-to-door canvassing program of information, meetings with businesses, monthly community meetings, email notifications and social media tools shall be used. The PA/CR Plan shall include the process for advance public notification regarding construction activities and traffic updates. While construction notices are issued in advance for planned events that may generate an impact to the public (i.e. notice, vibration, dust, road closures, and detours), the Contractor shall also notify HART immediately of unplanned events (such as accidents or unanticipated project related closures/detours) and provide the information needed by HART to notify the public. That includes content for news releases and content for social media and website posts. The Contractor is also responsible for developing collateral material relative to construction work, including, fact sheets, videos, renderings, or other materials to further educate the public about construction activities and to promote Project milestone events.
(i) Public Interaction. The Contractor shall maintain day-to-day communication with area residents, businesses, and commuters affected by construction. The communication will address what to expect and how to deal with Project-related disruptions, impacts or issues. It shall be accomplished by canvassing, monthly community meetings, tailored business briefing, flyers, or a combination of these techniques. If residents, businesses, commuters, or other members of the public have questions or comments related to construction or in preparation for construction, the first point of contact shall be the Contractor.

(ii) Public Notifications:
   a) The Contractor shall provide adequate advance notification of construction progress and upcoming events to the general public and to affected businesses and residents along the Project area. The Contractor will also provide information to help mitigate the immediate and long-term construction impacts on affected businesses, residents and commuters. In addition to mailers and collateral notices, the Contractor shall prepare public notices and information for paid media as requested by HART, which includes radio, television PSAs. All such public notices for media shall be approved by HART prior to release and all costs for paid media are the responsibility of the Contractor. Notification attributed to unpredictable events (e.g., damage to utility lines, extended street closures) shall be issued to the public as expeditiously as possible.
   
b) In addition to any other requirement contained herein, the Contractor shall provide the specific notifications specified in the Table of Notifications contained below:

<table>
<thead>
<tr>
<th>Notice</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>30-day construction overall notification in advance of construction; a minimum of 14 days’ notice for lane closures and other traffic impacts</td>
<td>Provide written notification of construction thirty (30) days prior to construction. Provide access maps per the Maintenance of Traffic Plan (MOT). As work continues through the corridor a minimum of 14 days’ notice regarding lane closures and traffic changes is required.</td>
</tr>
</tbody>
</table>
Utility outages

Provide a written notice at least seven (7) days in advance of, but not more than fourteen (14) days before, utility shut-off and diversions. In addition, all utility shut-off/diversion announcements shall be a personal visit from the Contractor’s PA/CR Team.

Weekly construction updates

Provide a construction update to each business or resident fronting a construction zone. The update shall be a personal visit from the Contractor’s public outreach team.²

Emergencies, unforeseen utility disruptions, hazardous conditions, traffic signal emergencies, security and loss of access

See SP Subsection 7.24.3(b)(1)(E)(iv) below.

Road and driveway closures or changes to Access Maps

Provide written, email notice at least fourteen (14) days in advance to all businesses/residential owners and/or property managers.

Work Zone Traffic Control

The Contractor shall provide Work Zone Traffic Control in accordance with the Department of Transportation – Highways: 2005 Standard Specifications as described in Section 645 in its totality.

Removal of surface encroachment, such as privately owned plants and shrubbery, from the City’s right-of-way

Provide notice to affected owners at least fourteen (14) days in advance of the commencement of the removal. Provide construction start date and the location of plants or other encroachments to be removed for each owner.

(iii) 24-Hour Public Information Hotline: HART has established a 24-hour public information hotline for the Project. The Contractor will assist by ensuring that a Contractor representative shall be available at all times to respond to inquiries and reports generated via the hotline and reported by HART. The Contractor shall develop written scenarios containing guidance needed to address current issues called into the hotline. The scenarios shall include Project information, on-going and future construction activities, lane closures, detours and so forth.


² After the initial in-person canvassing visit, updates may be provided directly to decision makers via email and other in-person visits may be appropriate from time to time as directed by HART.

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City Center Utilities Relocation

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Special Provisions
a) The Contractor shall develop an emergency phone-tree procedure in conjunction with HART.
b) The Contractor shall initiate immediate response to emergencies unforeseen utility disruptions, hazardous conditions, traffic signal malfunctions and loss-of-access by appropriately trained personnel within thirty (30) minutes.
c) The Contractor shall notify the general public, residents, and business owners impacted by an emergency or unforeseen disruption as directed by HART. At a minimum, the notification shall include:
   1) Cause of emergency and/or disruption (i.e., whether it is construction-caused or -related or not);
   2) Actions being taken to alleviate the situation; and
   3) The anticipated duration of the disruption.

(v) Complaint/Comment Forms: Public feedback is essential. The Contractor shall include in the PA/CR Plan the means and method of providing and supplying complaint/comment forms to businesses and residents along the Project corridor as a method for the public to obtain information and express their concerns. The forms should be designed as source documents used to enter information into the database. The forms shall indicate the Contractor’s business address, email address, website address, a contact phone number and fax number where the forms can be sent.

(vi) Responses to the Hotline Calls. The Contractor shall:

   a) Respond to complaints within twenty-four (24) hours; and
   b) Evaluate and immediately respond to emergency calls relating to hazardous conditions, diminished security, or loss of access or utility services on a case-by-case basis. The Contractor shall inform HART of what action(s) have been taken to address the issue.

(F) Construction Impact Mitigation. The Contractor shall develop ways to reduce construction impacts including, but not limited to, noise, vibration, dust, visibility, and access. All public concerns by residents and owners who believe they have been adversely impacted by construction shall first be directed to the Contractor. If the impact can be mitigated immediately, such as coordinating the construction activity schedules or repositioning of equipment, the PA/CR Plan shall indicate that the Contractor shall provide immediate mitigation, when possible. If the nature of the concern requires more complex action, the PA/CR Plan shall set forth the protocol, including engaging the support and direction of HART’s Construction Manager. All calls from the public shall be logged and maintained in the Contractor PA/CR database as part of the
(G) Business and Residential Impact Mitigation. The primary target audience for business and residential impact mitigation during construction is business owners and residents in close proximity to the rail corridor who are expected to be impacted by construction activities, traffic re-routing (lane closures), and alternate traffic routing (detours). The PA/CR Plan shall include a detailed Business Impact Mitigation Plan (BIMP). The BIMP shall include the following:

(i) Construction Schedule/Maintenance of Traffic and Access: The Contractor shall issue for use by the general public, residents and business owners a detailed construction schedule that is understandable by a lay person. The schedule shall show the estimated construction start and finish dates. The schedule shall also show roadways for which traffic flow is expected to be rerouted and any required detours. The Contractor shall update the schedule when a change is made to the construction schedule and immediately notify HART and the public. The detailed schedule information and all updates shall be distributed in writing to all residents and business owners within a quarter-mile radius. The information shall also be distributed at neighborhood meetings and summarized for broadcast by the media.

(ii) Access Maps: The Contractor shall develop access plans with businesses and residents on each block and provide maps showing existing and planned patron, delivery, parking, and residential access during any construction period. The map(s) shall identify times of business operation and deliveries. The Contractor may show the utilization of alleys or adjacent driveways upon receiving written permission from the property owner having jurisdiction over such driveways or alleys. Individual business and residential access shall be recorded in the database within 72 hours. The Contractor shall provide the access maps and deliver them to the affected businesses or residences at least 14 days prior to construction.

(iii) Changes to Access: Notify businesses and residents in writing and by personal contact of any changes to access that may impact them. Such notification shall be provided as soon as possible, but no later than 14 days prior to the start of construction in that area. Access to businesses must be maintained to allow them to conduct business. Therefore, any adjustments made to access requires advance notification that includes the reason for the change, the duration, and maps so that the businesses may properly alert their customers.
(iv) Work within Private Property: In the event that the construction work to be done touches upon private property, the Contractor shall notify each affected property owner in advance with the approximate start date, completion date, the type of work that will be done, and answer any questions or address any concerns the property owner may have. Notification shall be made both in person and in writing. Such notifications shall be provided as soon as possible, but no later than three (3) weeks prior to start of construction.

(v) Garbage and Recycling Removal: The Contractor shall provide adequate access for all garbage and recycling removal. The Contractor shall have a timeline and plan, including identifying the public and private garbage and recycling removal services. The Contractor shall negotiate with the public and private garbage and recycling removal services and provide them access at agreed times.

(vi) Open for Business Signage: On blocks that are undergoing construction, the Contractor shall provide proper signage to ensure customers are aware that the impacted businesses are open during construction. At a minimum, the Contractor shall maintain “open for business” signage at intersections on both sides of the street that includes the names of the businesses impacted by construction where access is limited or disrupted. This signage shall be approved by HART and maintained throughout the duration of construction in any affected area. The Contractor is required to perform surveys of affected businesses to develop profiles that identify facility access options, understands how each business operates, receives deliveries, and serves its customer base.

(vii) Business Impact Mitigation Programs: Programs to mitigate the impact of construction will be developed and implemented by the Contractor. The BIMP will include detailed programs, strategies and tactics for assisting businesses through the disruption of construction. These programs should be revised and refined based on feedback from the affected businesses and in accordance with updates made to the PA/CR Plan.

(2) PA/CR Objectives: The overall objectives of the PA/CR plan are to:

(a) Provide information and increase public awareness of the construction work being done and construction impacts, including, but not limited to, traffic changes;

(b) Provide a successful roadmap for public outreach to lessen and mitigate construction impacts for impacted residents, businesses, community
groups and organizations, motorists and commuters;
   (c) Provide regular reports on Contract progress;
   (d) Provide meaningful mechanisms for community outreach and
responding to concerns; and
   (e) Collect public input and feedback, and revise the plan based on that
feedback to ensure effective and meaningful outreach programs; and

(3) The PA/CR Plan must place a high priority on being responsive to the
concerns of the public, neighborhoods, and business owners throughout the life of
the Contract.

(4) The Contractor shall fully implement and meet all the
requirements set forth in its PA/CR Plan. Failure to do so shall be deemed a
breach of contract.

(5) The Contractor shall update the PA/CR Plan as required but no less
than semiannually, soliciting input from the businesses and residents along the
corridor and the stakeholder representatives and using the PA/CR database. The
Contractor must submit a copy of each draft update to HART for review,
comment and approval before finalizing. To make the semi-annual requirement,
the Contractor should be submitting updated drafts in four to five month
intervals.

   (c) Monthly Reports: The Contractor shall provide HART with a monthly
report of activities undertaken and notifications provided in the implementation of
the PA/CR Plan in the previous month and anticipated in the coming month. The
monthly reports shall be submitted in a format acceptable to HART on or before
the 10th day of the month for activities undertaken during the previous month.
The progress report will be posted on the HART website and for use in other print
and broadcast media outlets as needed. The information should be designed to
prepare Project area residents and business owners for construction and to mitigate
the impact of construction. HART has final approval on the content of these
updates. The monthly report is a contract deliverable.

   (1) By close of business Tuesday of each week, the Contractor shall
submit a weekly written report to HART that identifies all canvassing work,
written, and telephonic contacts with the general public, residents and businesses
that occurred during the prior week properly documented in the database and
canvassing log. The report will identify the Contractor representative who made
the contact, the name of the individual and/or business contacted, the reason for
the contact, and the resolution f any issues discussed. The Contractor's PIM shall
be available at the request of HART’s to discuss the report; the Contractor’s
PIM’s shall respond within two (2) hours of HART’s request.

   (d) Public Feedback. The Contractor shall assess the effectiveness of the
PA/CR Plan, as fully implemented. One of the gauges of effectiveness will be
public sentiment on the Contractor’s construction. The Contractor shall obtain and gather public feedback on an ongoing basis but, at minimum, on a weekly basis, and provide the feedback in writing to HART. The Contractor shall use the feedback information to determine if changes are warranted in the delivery of information and interaction with Project area residents, businesses, and commuters and/or whether an update to the PA/CR Plan is needed. Based on the feedback information, HART may direct the Contractor to revise or update its PA/CR Plan so that it meets the public awareness and community relations program needs. This shall not be considered a change order, but a Contract requirement.

(e) The Contractor shall notify HART of all PA/CR issues that arise within one quarter mile adjacent to the Project’s geographical limits for the Contract. Such notifications shall include PA/CR issues that may be attributed to other HRTP contracts.

(f) Staff Requirements:

(1) Public Involvement Manager. The Contractor shall provide sufficient qualified staff to perform the services required. At a minimum the Contractor shall provide a full-time Public Involvement Manager (PIM) responsible for managing the Contractor’s PA/CR Plan. The PIM shall be named as a key person on the Project list of Key Personnel and may not be replaced without the written consent of HART. The PIM must have a minimum of five years of related experience.

(2) Sufficient Staff. The Contractor shall have sufficient staff and personnel to fully and successfully implement its PA/CR Plan. Failure to do so shall be deemed a breach of contract.

(3) The PIM shall have “real-time” access to all Project details that may be relevant to the public, public agencies, emergency service providers, businesses, residents, etc. The Contractor’s PA/CR team shall be the primary interface between the public and the Contractor’s organization.

(g) Community Updates/Neighborhood Boards

(1) The Contractor shall organize and conduct monthly community meetings for the purpose of informing the public about the status of the Project and give the public an opportunity to provide feedback and ask questions. All community meetings shall be advertised in neighborhood and community newsletters, through postcard notifications, and through email and social media. At a minimum, community updates shall be held once per month starting one month prior to construction. The Contractor is responsible for selecting an appropriate, easily accessible venue and for convening the meetings at a convenient time for maximum attendance. The information displayed or discussed
shall include schedule, staging, maintenance of traffic and access, and any other Project information.

(2) The community meeting will be moderated by the Contractor. Representatives from HART may attend neighborhood board meetings as a resource when Contractor representatives present Project updates.

(h) Construction Tours. The Contractor shall participate in tours of the Project as requested by HART to discuss construction status, current activities, schedule and topics specific to the interest of the touring audience.

(i) Incident Notification. The Contractor shall prepare, maintain and manage an emergency response telephone tree. All appropriate stakeholder personnel shall be included on the telephone tree. The telephone tree is to be into respective areas of expertise to facilitate notifications being given for specific emergency situations.

(j) Media Relations

(1) An ongoing media relations program will be implemented and managed by HART. The Contractor shall provide timely information to HART regarding construction activities for use in media events. All media inquiries to the Contractor must be referred to HART. To ensure accuracy, the Contractor is not authorized to respond unless requested to do so by HART.

(2) The Contractor shall develop press releases at HART’s request to keep the public, residents and business owners informed about construction and construction impacts, including traffic impacts. The Contractor shall submit press releases in draft form for HART review and approval prior to release to media outlets. The Contractor shall assist HART in the development of a process to ensure that official stakeholders and elected officials receive press releases before the media.

(3) Radio and television traffic reporters shall receive appropriate and timely updates on construction activity and traffic management information. These public service announcements shall be developed as part of the Contractor’s traffic management information system.

(4) Except in emergencies, neither the Contractor nor any of its subcontractors nor their employees shall conduct or participate in media interviews or events, radio or television broadcasts relating to the Project, without the consent and approval of HART. Should such events occur as a result of emergency situations the Contractor shall notify HART immediately.

(k) Special Events

The Contractor shall assist HART as needed with the planning and
implementation of special events that recognize significant Project milestone achievements, such as groundbreaking and media tours, etc.

7.24.4 Contract Deliverables
(a) Submittals by the Contractor under this Section include:
   (1) Contractor’s PA/CR Plan and required updates
   (2) As a part of the PA/CR Plan, the Contractor’s Business Impact Mitigation Plan and required updates
   (3) Monthly reports of activities undertaken to implement the PA/CR Plan
   (4) Reports for 24-Hour Public Information Hotline, including planned traffic route updates, parking resources, and construction activities for HART public information and hotline staff.

(b) A summary of the Contractor’s activities under this Section include, but is not limited to:
   (1) Weekly report of public contacts and responses provided;
   (2) Access maps for business and residents including changes to access along with up-to-date access maps
   (3) Sample of construction mitigation signage and way-finding;
   (4) Public notices for scheduled disruptions including traffic, utilities, or any event which impacts the free flow of traffic through the construction zone
   (5) Public notices for unscheduled emergency, unforeseen utility disruptions, hazardous conditions, traffic signal emergencies, security and loss-of-access notifications
   (6) Monthly public notices with project updates regarding disruptions to be posted on the project website, print outlets, and media outlets
   (7) Notifications listed in Table 1: Table of Notifications
   (8) Written notices of utility shut-off/diversions to affected parties
   (9) Database log of all public communication contacts
   (10) Complaint / comment forms;
   (11) Notification flyers for Work within Private Property;
   (12) Public Service Announcements; and
   (13) Press Releases.”

24. SECTION SP 7.25 Project Identification

GCCC Section 7.25 shall be deleted in its entirety and replaced with the following:

“The Contractor may be required to provide temporary project identification signs and general construction signs as specified by HART at the Task Order level. The Contractor may be required to install signs placed in prominent auto traffic zones where construction is occurring. The signs will identify the rail transit project and

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will comply with Federal Transit Administration (FTA) requirements. The signs
will also identify the Contractor's name, the project 24-hour public information
hotline number and the participating agencies. Signs and lettering shall be sized
appropriate for the speed limit in the area using Manual on Uniform Traffic
Control Devices (MUTCD) size guidelines and be consistent with applicable City
and County of Honolulu sign ordinance(s)."

CHAPTER SP-8 ADDITIONAL PERFORMANCE REQUIREMENTS

SECTION SP 8 – The GCCC is amended by adding new sections as follows:

SP-8.1 Annual Reporting Requirements

(1) **Fiscal Year Annual Reports.** Within ten (10) calendar days after the end of HART’s
fiscal year, the Contractor shall provide HART a summary report of the amount invoiced to
HART by the Contractor and the amount paid to the Contractor by HART. The report shall
cover a period commencing July 1 (or the first notice to proceed date for new contracts) and
ending June 30 (or the contract close-out date for contracts that end prior to June 30). The report
shall also include a summary by each first tier subcontractors of amounts invoiced by the
subcontractor and the amounts paid to the subcontractor by the contractor during the period
described above. The report shall be provided in hardcopy (or pdf) and in MS Excel.

(2) **Contents of the Reports.** The report shall include the following:

- (A) The name of the Contractor and the name(s) of the respective subcontractors;
- (B) The type of services provided by the Contractor and the respective
  subcontractors;
- (C) A detailed description and justification for the work done by the general
  contractor and the respective subcontractors; and
- (D) The amount invoiced by and paid to the Contractor and the amount invoiced
  and amount paid to the respective subcontractor for the described work.

(3) **Sample Report Format.** The following is a sample report format which the
Contractor may elect to use to comply with the above reporting requirements:
Honolulu Authority for Rapid Transportation
20__ Fiscal Year Annual Invoicing and Payment Report

<table>
<thead>
<tr>
<th>Classification</th>
<th>Name</th>
<th>Type of Services</th>
<th>Detailed Description of Work</th>
<th>Justification for Work</th>
<th>Amount Invoiced</th>
<th>Amount Paid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contractor</td>
<td>XXXX</td>
<td>Construction</td>
<td>Relocate sewer lines from ABC Road</td>
<td>Relocation of sewer line was required to allow for guideway.</td>
<td>850,000</td>
<td>800,000</td>
</tr>
<tr>
<td>Subcontractor</td>
<td>XXXX</td>
<td>Construction</td>
<td>Remove existing sewer line along ABC Road</td>
<td>Removal of existing sewer line was required to allow for guideway.</td>
<td>250,000</td>
<td>225,000</td>
</tr>
</tbody>
</table>

SP-8.2 Hawaiian Electric Company, Inc. (HECO) Construction Services – Contractor / Subcontractor Qualifications

(a) Construction Services. Contractor will be required to perform services in support of relocation, new, permanent and/or temporary installation of HECO utilities under certain Task Orders issued under the Contract. As such, the Contractor will be required to meet, or exceed, HECO-specific qualifications requirements prior to Task Order execution. HECO construction services will include, but are not be limited to, the following Work: procurement of all required materials; installation of poles, cabling, wiring, and other materials necessary for completing the installation; required testing; planning and execution of the outage and transfer of the required electrification; and removal of the redundant poles and cabling.

(b) Qualifications. In order to perform HECO-specific Work on any Task Order issued herein, the Contractor shall demonstrate they possess the minimum qualifications set forth below either through its own forces or through a duly licensed Subcontractor engaged to perform the work. Any Subcontractor that the Contractor engages to perform HECO-specific work shall be pre-approved by HART prior to execution of the Task Order. The Contractor shall provide all documentation necessary to demonstrate the Subcontractor meets or exceeds the qualifications requirements below.

(c) Qualification Requirements. The following describes the minimum qualifications required to perform HECO construction services as required and specified under Task Orders:

- License C-13 Electrical Contractor
- License C-62 Pole and Line Contractor
- License C-62a Pole Contractor
- License C-63 High Voltage Electrical Contractor

SP-8.3 Buy America Act Compliance

The Contractor shall comply with the requirements of the Buy America Act (“BAA”) as set forth
in 49 U.S.C. Section 5323(j) and implemented by regulation in 49 C.F.R. Part 661. The offeror submitting with its offer a completed Buy America certificate in accordance with 49 CFR Section 661.6 is a matter of responsiveness. To the extent that the Contract, Task Order, or any referenced document specifies products that are not BAA-compliant, such specifications shall not be deemed to mean that Buy America requirements do not apply; rather, such specifications are deemed to establish minimum performance requirements and/or quality standards and are not a mandate to use those products. Contractor shall ensure the use of BAA-compliant products which meet minimum performance and quality requirements when performing Work under Task Orders. The cost of identifying and providing BAA-compliant products shall be included in the Price of each Task Order and the unit rates set forth in the Schedule of Rates in the Contract.

**SP-8.4 Contractor Access to the Site and Work**

HART will provide legal rights to the Contractor to access the Work as set forth in Task Orders issued under the Contract through right-of-way, easements or other agreements. Some of these agreements will be for a limited duration and the Contractor shall work with HART to coordinate need dates and minimize durations for access to these properties. Contractor will be required to obtain all permissions as required by these specifications and jurisdictional laws and regulations prior to mobilizing in specific locations of work. The Contractor will be responsible for acquiring any additional temporary construction easements or access permissions necessary for the Contractor’s convenience and/or means and methods.

**SP-8.5 Contractor’s Work Area**

**8.5.1 Use of Right of Way**

(a) The right of way shall be used only for purposes that are necessary to perform the required work. The Contractor shall not occupy the right of way, or allow others to occupy the right of way, for purposes which are not necessary to perform the required work.

(b) Residence trailers will not be allowed within the right of way or work area.

(c) The Contractor shall remove all equipment, materials and rubbish from work areas which he occupies and shall leave the areas in a presentable condition, in accordance with the provisions in Section 7.30, “Cleaning”, of the General Conditions and as directed by HART.

**8.5.2 Staging and/or Storage Areas**

(a) Material/equipment storage at the site shall be limited to materials and equipment required to perform the construction currently in progress unless otherwise required which will be indicated at the Task Order level. Material/equipment shall not be stored at the site without the express permission of HART.

(b) HART may provide necessary storage areas for materials ordered for Task Order requirements. Contractor is responsible for determining requirements for and obtaining all staging areas necessary for the project. The Contractor will be responsible for acquiring any and all permits and clearances necessary for that use, including, but not limited to those required by regulatory agencies for archiological, wetland, biological, and other issues (i.e., land use, noise, Hazardous Materials) for staging areas. The Contractor shall collaborate with HART for any staging areas available within the right of way.
(c) The protection of stored Materials is the Contractor's responsibility. HART is not liable for any loss of materials, by theft or otherwise, or for any damage to stored materials. This provision is equally applicable if/when HART provides the necessary storage area.

(d) The Contractor shall be responsible for maintaining staging areas in accordance with Section 7.3, “Cleaning”, of the General Conditions and as directed by HART. Waste materials, debris, and rubbish from the site shall be removed as soon as such materials become unfit for use. Upon completion of the Work, the Contractor shall restore the staging area to a condition equal to or better than existing. All damages shall be repaired by the Contractor at no cost to HART.

SP-8.6  Work Performed By Others

(a) Utility relocations shall be performed either by the Contractor or by the designated utility company or agency as designated in the specifications and at the Task Order level. Except as noted below, construction of all utility relocations (including, but not limited to, site work, materials, installation and testing) is the responsibility of the Contractor. In addition, any concrete pads shown to support utility equipment shall be furnished in place by the Contractor.

(b) The following utility work will be performed by Contractor unless noted otherwise in the Task Order plans:

i. Hawaiian Electric Company, Inc. (HECO) – Cabling and electrical equipment will be provided by the Contractor who will also install/connect/test and construct the conduit/duct banks/vaults/manholes/pull boxes or mount on overhead poles provided by the Contractor. HECO will perform “Hot-Phasing” for the work installed by the Contractor.

(c) The following utility work will be performed by others unless noted otherwise in the Task Order plans:

i. Oceanic Time Warner Cable, LLC (OTWC) (SPECTRUM) – Cabling and electronic equipment will be provided by the utility owner, and will be installed/connected/tested by the utility owner in conduit/duct banks/vaults/manholes/pull boxes constructed by the Contractor or mounted on overhead poles provided by others.

ii. AT&T Corp. (AT&T) – Cabling and electronic equipment will be provided by the utility owner, and will be installed/connected/tested by the utility in conduit/duct banks/vaults/manholes/pull boxes constructed by the Contractor.

iii. Other Dry Utility Owners – Cabling and electronic equipment will be provided by the utility owner, and will be installed/connected by the utility owner in conduit/duct banks/vaults/manholes/pull boxes constructed by the Contractor.

iv. Hawaiian Telcom, Inc (HTI) -- Cabling and electronic equipment will be provided by the utility owner, and will be installed/connected/tested by the utility owner in conduit/duct banks/vaults/manholes/pull boxes constructed by the Contractor or mounted on overhead poles provided by others.

v. The Gas Company, LLC dba Hawaii Gas (HGC) – Pipes, valves and other gas equipment will be provided, installed/connected/tested by the utility owner in trenches excavated, bedded and backfilled by the Contractor.
SP-8.7  **Cooperation/Coordination with Work Performed By Others**

Other contractors will be performing work in the project area which may be in progress at the same time as this contract:

- Utility work performed by others in conjunction with this contract as described in Section 8.6
- City Center Guideway and Stations Contractor
- Airport Guideway and Stations Contractor
- On Call Construction IV Contractor
- All local, State, private developers, and others along the City Center corridor

In addition to the specific activities listed above, the Contractor is advised that the Hawaii Department of Transportation (Highway), Hawaii Department of Transportation (Airport), City and County of Honolulu and private utility companies and property owners may have various projects ongoing in and around the project area during the duration of this contract. The Contractor must coordinate with others in sharing the site and schedule the work of its forces as necessary to avoid conflicts.

**SP-8.8  Work Sequence and Constraints**

Work sequencing and the requirements for accommodating any constraints, including work in any secure locations, if required, shall be managed at the Task Order level.

**SP-8.9  Tree Removal and Disposition**

Tree Disposition, if required, shall be in accordance with the contract specifications and identified at the Task Order level.

**SP-8.10  Schedule of Rates (“SOR”) / Measurement and Payment**

8.10.1  **Assumptions**

(a) Management direct labor costs, such as management oversight, quality assurance, health and safety, environmental monitoring, public involvement, interface management, project controls, and other costs of superintendence will be specified and established at the Task Order level based on the level of effort and rates set forth in Exhibit 22b. Direct labor associated with Work items shall be included in the unit rates discussed below. Overhead such as home office overhead, waste disposal, postage, telephone, printing, utilities, small tools, storage sheds, and supervisors’ and foremans’ vehicles and other such items are to be included in the unit rates.
(b) Maintenance of Traffic (MOT) costs, Service Reconnections and 3rd Party Utilities Inspection Fees will be specified and established at the Task Order level and paid through an allowance set on the contract in Exhibit 22a. The parties may agree to a lump sum price at the Task Order level.

(c) Disposal of Excess Materials – The cost of disposal of excess materials shall be included in the unit rate cost for those specific Work Items.

(d) All costs associated with the development, updates and monitoring/reporting requirements related to the plans required in the GCCC and specified below, shall be included in the unit rates established in the Exhibit 22a SOR:

1. Safety and Security Certification Plan
2. Safety and Security Management Plan
3. Site Safety and Security Plan
4. Contractor Health and Safety Plan
5. Quality Assurance Plan (QAP)
6. Inspection and Testing Plan
7. Construction Waste Management Plan
8. Environmental Compliance Plan
9. Site-Specific BMP Plan
10. Site-Specific Best Management Plan
11. Public Awareness and Community Relations (PA/CR) Plan
12. Business and Residential Impact Mitigation Plan

Maintenance of Traffic (MOT) Plans, Traffic Control Plans (TCP), and Detour Plans (shall be priced at the Task Order level)

(e) Examples of Work Items that will be paid for on a force account basis are listed below and shall not be included in unit prices. Allowances for these items have been established in the SOR:

1. Leveling Surfaces (non-routine)
2. Water Pollution, Dust, and Erosion Control (additional)
3. Exploratory Work at Structure Footings
4. Pothoing (non-routine)
5. Maintenance of Existing Landscape Areas (non-routine)
6. Repair of Existing Sprinkler Systems (non-routine)
7. Screening and Testing of Materials (non-routine)
8. Dewatering - Requiring a Permit
9. Additional Police Officers and Additional Traffic Control Devices, (above HSS requirements)

(f) All applicable taxes shall be included in the unit rates for Exhibit 22a SOR and item rates for Exhibit 22b.

(g) Pricing for all allowance and force account work shall follow GCCC 5.9 Force Account, with the following exceptions:
(1) Overhead and Profit is excluded on Pre-purchased Materials.
(2) Overhead and Profit is excluded on Dry Utility Materials.
(3) Overhead and Profit is excluded on Machinery and Equipment.
(4) Direct labor costs will be allowed for purchasing activities associated with Pre-purchased and Dry Utility Materials.

8.10.2 Application of the Schedule of Rates

(a) This SOR is subdivided by various Items of Work to be performed over the duration of the Contract for various utility owners with overlapping specifications and standards. The compilation of unit rates in the SOR is made with consideration for the specific natures, purposes and requirements which would vary for the execution of Task Orders under the Contract and includes items that are considered final products as well as their individual components.

(b) In the SOR, the subheadings and item descriptions identify the Work covered by the respective items, but the exact nature and extent of the Work to be performed is ascertained by reference to the Special Provisions, General Conditions, Specifications, and Task Order Drawings. The rates entered in the SOR shall be deemed to reflect the full inclusive value of the Work described in the Specifications and/or shown on the Task Order Drawings and covered by the respective items, including but not limited to the following, unless expressly stated otherwise:

(1) Labor and all costs associated with the Work Item.
(2) Material and equipment costs associated therewith including transport to and from site.
(3) The supply, loading, transporting and delivery to site, unloading, handling and storage of materials and goods.
(4) Taking delivery of materials and goods supplied by others, loading, transporting and delivery to site, unloading, handling, storage and returning any surplus.
(5) Setting out, assembling, mixing, curing, lapping, cutting, fixing, erecting, lifting, hoisting, handling, laying, spreading, grading, measuring, watering, compacting, trimming, planting, installing and placing of materials and goods in position.
(6) Use of hand held equipment where required.
(7) Waste, bulking, compaction and shrinkage of materials and materials placed outside the final design lines.
(8) Removal and disposal off site of surplus or spoil materials and costs in connection therewith specific to that Work Item.
(9) Temporary works.
(10) Provision of working space and upholding sides of excavations.
(11) Notifying, making arrangements, and liaising with all relevant statutory bodies, authorities and councils to obtain all licenses and permits necessary for the execution of the Works, and costs in connection therewith.

(12) Taking precautions and measures as far as is reasonable and practical to prevent interference with or damage to existing structures, services, utilities, roads, footpaths, paved areas, watercourses, drainage systems, public and private vehicular and pedestrian accesses, trees, graves, burial urns, including the provision of alternative access, if necessary.

(13) The effect of phasing of the works or of alteration or additions to existing services and supplies to the extent that such work is set forth or reasonably implied in the Contract or Task Order.

(14) Keeping the Work where necessary, and as near as may be practical, free from water and protected from damage due to water and from weather conditions which may adversely affect the Work including dewatering of excavations, allowing for seasonal variation of ground water, disposal of ground water in an approved manner and taking measures to prevent flotation of new or existing structures.

(15) Submitting to HART representatives all drawings, details of procedures and methods of construction to be used, calculations, technical literature, test certificates and any other documents or information required to be submitted in accordance with the Specifications.

(16) All costs for quality assurance systems including carrying out all tests, audits and the like and for providing certificates of conformity.

(17) Complying with the occupational safety and health requirements.

(18) Complying with environmental requirements.

(19) Overhead costs and profit.

(20) General obligations, liabilities, tasks ancillary to the Work and risks involved in the execution of the works set forth or reasonably implied in the Contract.

(c) Where similar unit rates are found in different sections of the SOR, whether within the same section or different sections of the SOR, such valuation shall, in so far as reasonable, be based on the most appropriate item, or group of items, which will be established and specified in the Task Order.

8.10.3 Applicable Standards and Specifications

(a) The SOR shall be read and used in conjunction with the following:

(1) The Request for Proposal, Instructions to Offerors, Appendices, and Attachments and any Addenda thereto;

(2) The Special Provisions and all other specification requirements issued and referred to in Task Orders;

(3) The General Conditions of Construction Contracts dated 12/2014;
(4) The Task Order specific Drawings including Standards and Specifications and other documents as listed below including all current amendments issued thereto and referred to in the Contract:

City and County of Honolulu Board of Water Supply (BWS):

"Water System Standards", Dated 2002; and

Department of Public Works, City and County of Honolulu (CCH):

"Standard Details for Public Works Construction," September 1984;
“DPP Storm Drainage Standards”, August 2017
DPP Engineering and Policy Memoranda; and

Department of Transportation, State of Hawaii (HDOT):

"Hawaii Standard Specifications for Road and Bridge Construction," 2005 (HSS), as amended;
“Design Criteria for Bridges and Structures”, October 2010; as amended.

Hawaiian Electric Company, Inc. (HECO):

For underground facilities, latest revisions of HECO specifications CS7001, CS7003, CS9301, and CS9401 and applicable HECO standards;

For all relocation, conversion, and new services, comply with the latest edition of the Electric Service Installation Manual.

Honolulu Authority for Rapid Transit (HART) Specifications and Standards:

Intelligent Transportation Systems (27 60 00)
138kV Microtunnel (33 05 07)

Other Specifications and Standards including but not limited to:

Hawaii Gas (HGAS): D-311, D-314, D-315, and D-970-1 - Construction Notes for Gas Facilities
Hawaiian Telcom Holdco (HTI): Hawaiian Telcom Standard
The HSS, or the more restrictive of applicable standards and specifications, will prevail in the event applicable specifications and/or standards are not available or in contradiction with another for any aspect of the Work to be performed for each Task Order, unless otherwise specified in the Task Order.

(5) Special Provisions and all other specification requirements issued and referred to in the Contract.

(6) Any Amendments to the Schedule of Rates issued and referred to in the Contract.

(b) All Items of Work contained in the SOR and in the Amendments to the SOR, issued and referred to in the Contract, shall be executed in accordance with the conditions and stipulations as provided in the above mentioned documents, and in compliance with all requirements on workmanship, materials, equipment, measurements, and any other requirements as stipulated in the above documents.

(c) Due allowance is deemed to have been made in the unit rates for complying with the requirements of the Contract.

8.10.4 Measurement and Payment

(a) Quantities will be developed for each Task Order based on the dimensions shown on the Task Order Drawings, acknowledged by the Contractor, and subject to re-measurement in the field.

(b) All quantities of Work actually completed and in place under a Task Order shall be measured by HART. These measurements shall be considered correct and final unless the Contractor files a written objection demonstrating the existence of an error within five (5) days after receipt of such measurement data.

(c) Pre-Purchased Materials – In instances where a Task Order is issued to purchase long-lead or bulk materials on a time and materials basis, with the intent of incorporating the materials into the project at a later date, the Contractor will provide a credit equal to the total value paid per unit against the applicable unit rates when the relevant Work item is completed and in place. The credit shall be calculated in the following manner: Total Amount Reimbursed the Contractor divided by the Total Quantity for each item purchased.

(d) Payment will be made at the unit rates in the SOR for the Work items completed and shall be deemed full compensation for furnishing the labor, materials, tools, equipment, and all ancillary items necessary to complete the Work.

(e) The SOR contains the abbreviations for units and precision for measurement that are used throughout the SOR.

8.10.5 Notes to the Schedule of Rates
Additional notes to the SOR are provided, where applicable, in each of the subsections contained in Exhibit 22a. These notes provide further clarifying requirements specific to the rates contained in that subsection and have the same force and effect as if they were included in this Section 8.10 Schedule of Rates / Measurement and Payment.

8.10.6 Allowances

(a) **Definition of Allowance:** An amount established by HART in the SOR for possible inclusion in the Task Order Price to cover the cost of prescribed items of Work not specified in detail.

Allowances specified in the SOR represent the maximum amount allocated for payment to the Contractor for the specified or actual costs incurred to perform the Work, as established at the Task Order level for the relevant contract allowance bid items.

Work Items to be paid by allowance shall include only such Work as is specifically identified for payment under the contract bid item in the SOR, and is exclusive of any Work indicated in the Contract Documents and/or SOR for which payment is included under other contract bid items. Allowance work shall be specified at the Task Order level and Contractor must obtain approval of HART for the scope of work prior to performing work to be paid by allowance.

Unless otherwise stated in the Contract Documents, compensation for allowance work may be paid for on a fixed price, unit rate, or time and materials basis as developed and specified at the Task Order level.
General Conditions of Construction of Contracts
of the Honolulu Authority for Rapid Transportation

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Chapter 1 – Preamble

1.1 Procurement Code

The General Conditions of Construction Contracts of the Honolulu Authority for Rapid Transportation, incorporated by reference in the solicitation document and the awarded contract represent the Honolulu Authority for Rapid Transportation (HART)'s policy and requirements relating to contracts as authorized by Hawaii Revised Statutes (HRS), Chapter 103D, and its promulgated rules under Hawaii Administrative Rules (HAR), Title 3, Department of Accounting and General Services. References to HAR provisions in the General Conditions are included for convenience only.

1.2 Order of Precedence/Contract Documents

The separate parts of the solicitation document and resulting contract, including the plans and specifications, are intended to complement each other. The order of precedence of these documents in the event of conflicting terms is as follows:

(a) The Agreement Form; Contract Amendments; Change Orders, with the latest issued taking precedence over any preceding conflicting term;
(b) The most recent Addenda shall govern over previously-issued Addenda and solicitation documents, including the specifications and drawings;
(c) Special Provisions
(d) HART’s General Conditions of Construction Contracts (“General Conditions” or “GC”);
(e) Technical Specifications;
(f) Drawings and Plans;
(g) The Engineering Data and Reports;
(h) The Contractor’s bid proposal and required submissions.

The listed documents hereinabove comprise the “Contract Documents,” which is also referred to as the “Contract” or “Agreement.”

END OF CHAPTER
Chapter 2 – General Provisions

2.1 Definitions

Terms as used in this solicitation document and the Contract, unless the context requires otherwise, shall have the following meaning:

"Addendum/Addenda" means a written document issued by the Contracting Officer during the solicitation period involving changes to the solicitation documents which shall be considered and made a part of the solicitation documents and resulting contract.

“Affiliate” means any Person that:

(a) Directly or indirectly, through one or more intermediaries, control, is controlled by, or is under common control with the following:

(1) The Contractor; or
(2) Any Principal Participant

(b) Holds 10% or more of the equity interest, directly or indirectly, beneficially or of record, by the following:

(1) The Contractor; or
(2) Any Principal Participant; or
(3) Any Affiliate of the Contractor under subsection (a) of this definition.

For purposes of this definition, the term “control” means the possession, directly or indirectly, of the power to cause the direction of the management of a Person, whether through voting securities, by contract, by family relationships, or otherwise.

“Agreement” means the Contract.

“Amendment” shall have the same meaning as “contract modification” or “modification” as hereafter defined.

“As-Built Plans” means the final drawings and specifications furnished by the Contractor, documenting the details and dimensions of the completed Work.

“Baseline Project Schedule” means the time-scaled and cost-loaded Critical Path Method (CPM) network, updated in accordance with the Contract and depicting the Price Items and subordinate activities and their respective prices (distributed over time), durations, sequences, and interrelationships and represent the Contractor’s Work plans, the Contractor’s Work Breakdown Structure (WBS) for constructing and completing the Project and the Contract Price distributed over the period of the Contract.

"Best Value" means the most advantageous offer determined by evaluating and comparing all relevant criteria in addition to price so that the offer meeting the overall combination that best serves HART is selected. These criteria may include, in addition to others, the total cost of ownership, performance history of the offeror, quality of goods, services, or construction, delivery, and proposed technical performance. [HAR 3-122-1]

“Bid” means the executed document submitted by a bidder in response to an invitation for bids, or a multi-step bidding procedure. [HAR 3-120-2]

"Bidder" means any individual, partnership, firm, corporation, joint venture, or other legal entity submitting, directly or through a duly authorized representative or agent, a bid for goods, service, or
construction contemplated. [HAR 3-120-2] Upon award of contract to the successful bidder, the term “bidder” shall mean the “contractor.”

"Bid Sample" means a sample to be furnished by a bidder to show the characteristics of the item offered in the bid. [HAR 3-122-1]

"Change Order" means an amendment or modification of the Contract signed by the Chief Procurement Officer or his/her authorized designee, directing the Contractor to make changes with or without the consent of the Contractor. [HRS 103D-104] [HAR 3-125-2]

"Chief Procurement Officer" means the Honolulu Authority for Rapid Transportation Executive Director and CEO, as provided in HRS Section 103D-203, or the officer's designee. [HAR 3-120-2].

"City" means the City and County of Honolulu, State of Hawaii.

“Contaminated Material” means any natural or man-made material that contains small amounts of Hazardous Substance(s) in a concentration less than that which would trigger HART’s handling, transport, and disposal of Hazardous Material or Hazardous Waste. This also includes any regulated material, such as petroleum-contaminated soil, that upon exposure may pose an existing or potential threat to human health or the environment.

"Construction" means the process of building, altering, repairing, improving, or demolishing any public structure or building, or other public improvements of any kind to any public real property. The term includes the routine operation, routine repair, or routine maintenance of existing structures, buildings, or real property. [HRS 103D-104]

“Construction and Demolition Waste” includes solid wastes, such as building materials, packaging, rubbish, debris, and rubble resulting from construction, remodeling, repair and demolition operations.

“Construction Engineering and Inspection” or “CE&I” means the Project consultant who, on behalf of HART, will conduct the day-to-day oversight of this Agreement, and monitor and/or audit the Contractor’s construction, schedule and quality. The Project CE&I shall be HART’s point-of-contact with the Contractor. Where the Contract Documents reference “HART” for reporting and submissions, the Contractor shall always communicate and make submittals through the Project CE&I.

"Contract" or “Contract Documents” means the fully executed agreement between HART and the Contractor for the goods, services, construction or professional services as procured, for which award was made to the Contractor, including the furnishing of labor, materials and equipment in connection therewith. See GC Section 1.2 for specific documents that comprise the Contract Documents.

"Contract Modification" or "Modification" means any written alteration within the scope of the contract to specifications, delivery point, rate of delivery, period of performance, price, quantity, or other provisions of the Contract fully executed by all parties to the Contract. [HRS 103D-104] [HAR 3-125-3]

“Contract Management System” or “CMS” means the Oracle Contract Management System used and customized by HART.

“Contract Specifications” mean the General Conditions of Construction Contracts, Special Provisions, and the Technical Specifications developed by the Engineer of Record based on the Standard Specifications for the Project, which collectively define and control the specific requirements, conditions, means and methods to be used for the Work under the Contract.

"Contracting Officer" means the Honolulu Authority Rapid Transportation Executive Director and CEO or his delegated designee.
"Contractor" means any individual, partnership, firm, corporation, joint venture, or other legal entity undertaking the execution of the Work under the terms of the Contract with HART, acting directly or through its agents or employees. [HAR 3-120-2]

“Contractor Health and Safety Plan” (CHASP) is a document prepared by the Contractor which describes their company plan and policies and complies with Hawaii Administrative Rules 12-110-2 or 12-110-60 written safety and health program criteria. This document must be submitted to HART for information purposes only.

"Cost analysis" means the evaluation of cost data for the purpose of arriving at costs actually incurred or estimates of costs to be incurred, prices to be paid, and costs to be reimbursed. [HAR 3-120-2]

"Cost data" means information concerning the actual or estimated cost of labor, material, overhead, and other cost elements which have been actually incurred or which are expected to be incurred by the Contractor in performing the Contract. [HAR 3-120-2]

“Critical Path” means each path shown on the Baseline Project Schedule and updates to the Project Schedule that contains the longest path from NTP to Substantial Completion for which there is zero float. It also includes paths that, due to constrained dates, contain zero float.

"Days" means consecutive calendar days unless otherwise specified. [HAR 3-120-2]

“Designee” means a person appointed by the Director, the Contracting Officer, the Chief Procurement Officer, or the Officer-in-Charge or any other authorized person to act on its behalf with delegated authority.

“Designer of Record” means the Engineer of Record defined herein.

"Detour Plans" - The detour plans for traffic control associated with the Maintenance of Traffic Plans and/or the Traffic Control Plans.

“Differing Site Condition” means the “differing site condition” determination as set forth in GC Section 3.6.

“Director” means the Honolulu Authority Rapid Transportation Executive Director and CEO or his delegated designee.

“Discussion” means an exchange of information to promote understanding of HART’s requirements and offeror's proposal and to facilitate arriving at a contract that will be the best value to HART. Discussions are not permissible in competitive sealed bidding, except to the extent permissible in the first phase of multi-step sealed bidding to determine the acceptability of technical offers. [HAR 3-122-1]

“Engineer of Record” is the engineer or engineering firm, currently licensed in the State of Hawaii, who develops the criteria and concept for the Project, including the Technical Specifications and the Plans, and is in direct charge of the Project design. “Erosion Control” means any action taken to minimize the destructive effects of wind and water on surface soil. The use and placement of berms and dams, fiber mats, grass, sod, mulch, slope drains, sediment basins, and drainage systems may be temporary, used during construction or permanent and installed for the anticipated useful life of the Honolulu Rail Transit Project.

“Final Acceptance” means after Substantial Completion upon the completion of the punchlist and the delivery of all remaining tools, spare parts, instructions, keys, and other similar items required to operate and maintain the Work, the Contractor shall submit a written request for a final inspection, after which, HART determines that all discrepancies are satisfactorily corrected and has accepted the Project. Final Acceptance is a condition precedent for final payment to the Contractor.
“Escrowed Proposal Documents” means pricing data assembled by the Contractor, placed in escrow, which supports and explains the basis of the Contractor’s proposed pricing or bid price. It also means Exhibit F (Insurance Premium Worksheet) identifying their insurance costs. The Escrowed Proposal Documents will be used during Project execution for negotiation of change orders and resolution of disputes and claims and other purposes set forth in the Contract.

"Final Proposal" means the final mutually-agreed terms of the proposal submitted by the awarded offeror in response to HART’s request for proposals or the Best and Final Offer accepted by HART in accordance with HAR §§3-122-53 and 3-122-54.

"Goods" means all property, including but not limited to equipment, equipment leases, materials, supplies, printing, insurance, and processes, including computer systems and software, excluding land or a permanent interest in land, leases of real property, and office rentals. [HRS 103D-104]

"Guarantee" or "Warranty" means a written documentation of assurance of the quality of or the length of use to be expected, required by the Contract, or represented by the Contractor (or its suppliers and/or subcontractors) of equipment, material, device, or system offered, or work performed.

“Guarantor” means the Person assuming responsibility for the tangible net worth deficit or financing deficit obligations of the Offeror, as required by the Contract.

“HAR” means the Hawai‘i Administrative Rules of the State of Hawaii, as amended.

“Hazardous Material” shall mean the term as defined in 49 CFR §171.8. The term includes hazardous substances, hazardous wastes, marine pollutants, elevated temperature materials, materials designated as hazardous in the Hazardous Materials Table (see 49 CFR 172.101), and materials that meet the defining criteria for hazard classes and divisions in 49 CFR 173.

“Hazardous Substance” shall mean any substance designated or listed under subparagraphs (1) - (2) of this definition, exposure to which results or may result in adverse affects on the health or safety of employees:

1. Any substance defined under Section 101(14) of CERCLA and all petroleum, crude oil or any fraction thereof, which is not otherwise specifically listed in 49 CFR § 172.101.

2. Any and all radioactive materials, asbestos, organic compounds known as polychlorinated biphenyls, chemicals, any biological agent and other disease-causing agent which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any person or organism, either directly from the environment or indirectly by ingestion through food chains, will or may reasonably be anticipated to cause death, disease, behavioral abnormalities, cancer, genetic mutation, physiological malfunctions (including malfunctions in reproduction) or physical deformations in such persons or their offspring.

“Hazardous Waste” means a waste or combination of wastes as defined in 40 CFR §261.3, or those substances defined as Hazardous Wastes in 49 CFR §171.8.

"HRS" means the Hawai‘i Revised Statutes of the State of Hawaii, as amended.

“HSS” means the State of Hawai‘i Department of Transportation Standard Specifications.

“Incidental Utility Work” means the following Work necessary for the construction of the Project, including:

1. Relocations of Service Lines;
(2) Protections in Place;

(3) The adjustment of utility appurtenances (e.g., manholes, valve boxes, and vaults) for line and grade upon completion of roadway work;

(4) All work necessary to remove any utilities (whether or not in use as of the proposal submittal date) in situations for which leaving the utilities in place is not feasible or not permitted, or for facilities which the Contractor proposes be removed to accommodate or permit construction of the Project, regardless of whether replacements for such utilities are being installed in other locations; and

(5) All work necessary to abandon in place any utility in accordance with proper procedures (e.g., flushing, capping, slurry backfill, etc.).

“Independent Assurance” means activities that are an unbiased and independent evaluation of all the sampling and testing procedures, equipment calibration, and qualifications of personnel used in acceptance, including the Contractor’s Quality Control.

“Informal Bid” means a quotation made under small purchase procedures, pursuant to HRS Section 103D-305 or a quotation made under emergency purchase procedures, pursuant to HRS Section 103D-307.

“Inspector” means a Contractor representative hired by the Contractor to inspect methods and materials, equipment, and Work, both on and off the Site, of the Project.

“Interface Control Document” or “ICD” is the document that contains lists of agreed interface coordination points and associated documents, prepared and compiled by the Contractor, and maintained and archived in the CMS, which memorializes the communication, coordination, and closer of interface points by interfacing parties.

“Interface Control Manual” or “ICM” is the Contractor’s compilation of all Interface Control Documents.

“Interface Definition Meeting” or “IDM” is a meeting held between two or more interfacing contractors, and facilitated by HART, for the purpose of identifying, coordinating, and closing interface points necessary to satisfactorily complete the Work. IDMs shall occur with each of the interfacing contractors at least monthly or as frequently as necessary.

"Invitation for Bids" or “Request for Bids” means all documents, whether attached or incorporated by reference, utilized for soliciting bids under the competitive sealed bidding source selection method. [HAR 3-120-2]

"LEED" means the Leadership in Energy and Environmental Design green building rating systems developed and adopted by the U.S. Green Building Council (USGBC).

"Mobilization" means the Contractor’s cost to mobilize and get set up on the project.

"Maintenance of Traffic Plans" means the traffic control plans for temporary 24-hour or longer lane or shoulder closures.

"Notice to Offerors" means the publication or the notice of a solicitation for offers.

"Notice to Proceed" or “NTP” means the document issued to the Contractor designating the official commencement date of the performance under the Contract.

"Offer" means the bid, proposal, or quotation. [HAR 3-120-2]
"Offeror" means any individual, partnership, firm, corporation, joint venture, or other legal entity submitting, directly or through a duly authorized representative or agent, an offer for the goods, service, or construction contemplated. [HAR 3-120-2]

"Officer-in-Charge" means the Executive Director or CEO of HART or his delegated designee.

"Opening" means the date set for opening of bids, receipt of unpriced technical offers in multi-step sealed bidding, or receipt of proposals in competitive sealed proposals. [HAR 3-122-1]

"Periodic Payment Schedule" or "PPS" means a projection of the monthly payment schedule for the life of the Project, based on the Contractor's Baseline Project Schedule and the Schedule of Prices with a breakdown of Price Items, Descriptions, and Values of the Work to be provided under the Contract. The PPS' cumulative value shall not exceed the Total Contract Amount.

"Person" means any individual, firm, corporation, company, limited liability corporation (LLC), limited liability partnership (LLP), joint venture, voluntary association, partnership, trust or public or private organization, other legal entity, or combination thereof.

"Plans" or "Project Plans" means those portions of the Contract Documents prepared and stamped by the Engineer of Record, consisting of drawings, diagrams, illustrations, schedules, and other data which show the scope, extent, and character of the Work.

"Price analysis" means the evaluation of price data, without analysis of the separate cost components and profit as in cost analysis, which may assist in arriving at prices to be paid and costs to be reimbursed. [HAR 3-120-2]

"Price data" means factual information concerning prices, including profit, for goods, services, or construction substantially similar to those being procured. In this definition, "prices" refers to offered or proposed selling prices, historical selling prices, and current selling prices of such items. This definition refers to data relevant to both the general contractor and subcontract prices. [HAR-3-120-2]

"Price Item" means a component of the Baseline Project Schedule and Schedule of Values for which the Contractor provides a Price Item Value for all Work included in that item. A Price Item may be a major contract item or series of interrelated items.

"Price Item Value" means that value allocated by the Contractor to a Price Item.

"Principal Participant" means any of the following entities:

1. The Contractor (or the Bidder);
2. An individual firm, all general partners, or joint venture members of the Contractor (or Bidder); and/or
3. All Persons and legal entities holding (directly or indirectly) a 15% or greater interest in the Contractor (or the Bidder).

"Procurement" means buying, purchasing, renting, leasing, or otherwise acquiring any good, service, or construction. The term also includes all functions that pertain to the obtaining of any good, service, or construction, including description of requirements, selection and solicitation of sources, preparation and award of contracts, and all phases of contract administration. [HRS 103D-104]

"Procurement Officer" means the Honolulu Authority for Rapid Transportation Executive Director and CEO or his authorized representative acting within the limits of authority. [HRS 103D-104]
"Project" means the Work to be performed as set forth in the Contract, including furnishing all services, labor, goods, materials, supplies, equipment and other incidentals reasonably necessary for the successful completion of Work contemplated under the Contract.

"Project Schedule" means the regular and systematic update to the HART-accepted Baseline Project Schedule, completed by the Contractor on a monthly basis and submitted with the Contractor’s payment request.

"Proposal" means “bid,” as defined above, or the executed document submitted by an Offeror in response to a Request for Proposals.

"Protect in Place" or “Protection in Place” means any activity undertaken to avoid damaging a Utility which does not involve removing or relocating that Utility, including staking the location of a utility, avoidance of a utility’s location by construction equipment, installing steel plating or concrete slabs, encasement in concrete, temporarily de-energizing power lines, and installing physical barriers. For example, temporarily lifting power lines without cutting them would be considered a method in which to Protect in Place, whereas temporarily moving power lines to another location after cutting them would be considered a Temporary Relocation. The term includes both temporary measures and permanent installations meeting the foregoing definition.

“Punchlist” means the list of items to be completed by the Contractor to meet Final Acceptance.

“Quality Assurance” or “QA” means all planned and systematic actions by the Contractor necessary to provide assurances that the Contractor is effectively performing Quality Control (QC) in accordance with the Quality Assurance Plan (QAP), that all Work complies with the Contract and that all materials incorporated in the Work, all equipment, and all elements of the Work will perform satisfactorily for the purpose intended. QA actions include, but are not limited to, monitoring, independent verification testing, auditing, spot-checking and training the quality management professionals assigned to perform QC. All QA reviews, audits, and verification testing shall be documented and part of the Contractor’s QAP and are available for HART review.

“Quality Control” or “QC” means the total of all activities performed by the Contractor, subcontractor, producer or manufacturer to ensure that the Work meets Contract requirements. This includes, but is not limited to, procedures for materials handling and construction quality Inspection, sampling and testing of materials, plants, production and construction, material certifications; calibration and maintenance of equipment; production process control, and monitoring of environmental compliance. Quality Control also includes documentation of all QC construction efforts.

“Quality Manager” means the individual employed by the Contractor, who is responsible for the Contractor’s overall quality program, including the quality of management and construction.

“Quality Assurance Plan” or “QAP” means the plan that sets out the Contractor’s means of complying with its obligations in relation to QA/QC.

“Relocation” means each removal, relocation, abandonment, and/or Protection in Place (including provision of temporary services as necessary) of any and all Utilities that is necessary in order to complete the Work as required by the Contract.

“Request for Information” (RFI) means an instrument initiated by the Contractor to request information.

“Request for Interface Data” (RFID) is a document within CMS whereby an interfacing contractor requests or provides data and information from its interfacing counterpart for the accomplishment of its Work scope. RFIDs serve as primary means for interfacing parties to formally request the exchange of data and information across an interface boundary.
“Retainage” means a portion of Contract payment withheld by HART according to the terms of the Contract.

"Responsible Offeror" means a person who has the capability in all respects to perform fully the Contract requirements, and the integrity and reliability which will assure good faith performance. [HRS103D-104]

"Responsive Bidder or Offeror" means a person who has submitted an offer which conforms in all material respects to the IFB or RFP. [HAR 3-120-2]

“Safety and Security Certification” means a series of processes that collectively verify the safety and security readiness of the Project for public use.

“Samples” means representative quantities of materials taken in specified amounts and frequencies for subsequent testing in accordance with specified standard procedures, or physical examples of materials to be supplied or workmanship which shall establish standards by which the Work shall be judged provided such samples meet Contract requirements.

“Schedule of Values” means the schedule of values for units of material, equipment and labor utilized for the Project that shall be consistent with the information or breakdowns provided in the Escrowed Proposal Documents (see GC Section 7.4, Escrowed Proposal Documents).

“Service line" means a utility line, the function of which is to connect directly the improvements on an individual property (e.g., a single family residence or an industrial warehouse) to another utility line located off such property, which other utility line connects more than one such individual line to a larger system, as well as any cable or conduit that supplies an active feed from a utility owner’s facilities to activate or energize the government’s local lighting and electrical systems, traffic control systems, street lights, communication systems or irrigation systems.

“Site” means those areas utilized by the Contractor for the performance of Work under this Contract and includes any areas on which Relocation Work is performed and any location being temporarily used by the Contractor for storage of materials and equipment to be incorporated into the Work.

“Site Safety and Security Plan” (SSSP) means the plan that sets out the Contractor’s means of complying with its obligations in relation to Site safety and security, which plan shall be provided and maintained in accordance with the Contract Documents.

"Solicitation" means an invitation for bids, request for proposals, or a request for quotation issued by HART for the purpose of soliciting bids or proposals to perform under HART contract. [HAR 3-120-2]

“Special Provisions” means additions and revisions to the solicitation documents, including additions or revisions to the Contract Specifications covering conditions applicable to this individual Project.

"State" means the State of Hawai‘i.

"Standard Commercial Product" means a product or material, in the normal course of business, is customarily maintained in stock or readily available by a manufacturer, distributor, or dealer for the marketing of the product. [HAR 3-122-1]
“Standard Drawings” means detailed drawings that depict the dimensions and clearances of certain features of the Project and components, subassemblies, or systems of the Project for general application and repetitive use in connection with the Honolulu Rapid Transit Project.

“Standard Specifications” means the standard technical specifications for general application and repetitive use in connection with the Honolulu Rapid Transit Project.

“Subcontract” means any agreement entered into by the Contractor or its Subcontractor (at any tier) for a portion of the construction or any other part of the Work in connection with, and under the terms of, the Contract.

"Subcontractor" means any person who enters into an agreement with the Contractor to perform a portion of the work for the Contractor. [HAR 3-120-2]

“Substantial Completion” means the point at which the Project, or a HART-designated portion thereof, is sufficiently complete, in accordance with the Contract Documents, so that HART may use or occupy the Work or building project or designated portion thereof for the intended use for which it is originally designed and intended for. This would include the completion of all life safety systems, weather-tight envelope, and adequate protection of building occupants and/or equipment is ensured from hazards posed by additional or possible construction activities or other potential harmful conditions that may exist or become evident during the final work to complete the Project per the Contract Documents.

“Substantial Completion Date” means the date on which the Contractor is required to achieve Substantial Completion in accordance with the Contract Documents.

“System” means the 20-mile elevated rail line that will connect West Oahu with downtown Honolulu and Ala Moana Center. The System features electric, steel-wheel trains each capable of carrying passengers from East Kapolei to Ala Moana Center with 21 station stops including the Airport and Downtown. The System consists of, but is not limited to, fixed facilities that include the guideway structure, stations, and a Maintenance and Storage Facility (MSF), passenger vehicles, and transit core systems, including train control, communications, traction electrification and fare vending.

“Temporary Relocation” means any interim Relocation of a Utility (i.e., the installation, removal, and disposal of the interim facility) pending installation of the permanent facility in the same or a new location, and any removal and reinstallation of a Utility in the same place with or without an interim relocation.

“Traction Power Substation” (TPSS) means a fixed facility within the rail system where electrical equipment is located for the specified purpose of receiving and converting or transforming incoming electrical energy to usable electrical energy.

"Traffic Control Plans” means the traffic control plans for the temporary lane and/or roadway closures shorter than 24 hours in duration.

“Unit Price” means the price established by the Contract for a specified unit quantity of Work that is measured for payment.

“Utility” means a privately, publicly, or cooperatively owned facility (which term includes lines, systems and other facilities, and includes municipal and/or government facilities) for transmitting or distributing communications, cable television, power, electricity, gas, oil, crude products, water, steam, waste, or any other similar commodity, including any fire or police signal system as well as streetlights associated with roadways owned by local agencies. However, when used in the context of the Relocation of facilities to accommodate the Project, the term "Utility" or "utility" excludes traffic signals, flashing beacon systems, and lighting systems for the Project. The necessary appurtenances to each utility facility shall be considered part of the facility, including the utility source, guide poles, feeder service lines,
supports, etc. Without limitation, any service lateral connecting directly to a utility shall be considered an appurtenance to that utility, regardless of the ownership of such service lateral.

“Utility Agreement” means the agreements with Utility Owners.

“Utility Owner” means the owner or operator of any Utility (including governmental persons and privately held entities).

“Utility Relocation Plans” means the Design Plans for Relocation of a Utility impacted by the Project as designated in any applicable Utility Agreements.

“Utility Standards” means the standard specifications, standards of practice, and construction methods that are applicable to a Relocation pursuant to the terms and conditions of a Utility Agreement; provided that if a particular facility is not governed by a Utility Agreement or the applicable Utility Agreement does not specify applicable standards, the term “Utility Standards” shall mean the standard specifications, standards of practice, and construction methods that would be customarily applied by a similar utility owner to its facilities, in effect as of the Bid Date.

“Verification Sampling and Testing” means sampling and testing performed to validate the quality of the product. When necessary, HART, or a firm retained by HART, will perform Verification Sampling and Testing.

“Volatile Organic Compounds (VOC’s)” means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, which participates in atmospheric photochemical reactions. Compounds that have negligible photochemical reactivity, listed in EPA 40 CFR 51.100(s), are excluded from this regulatory definition.

"Warranty" shall have the same meaning as Guarantee.

“Work” means all of the administrative, utility support services, legal, professional, manufacturing, supply, installation, construction, supervision, management, testing, verification, labor, material, equipment, maintenance, documentation, and other duties and services to be furnished and provided by the Contractor to fulfill all the requirements of the Contract, including all efforts necessary or appropriate to achieve Final Acceptance of the Project as set forth in the Contract. In certain cases, the term is also used to mean the products of the Work.

“Work Breakdown Structure” (WBS) means the breakdown of Project elements into definable units in a logical manner to be able to review cost, schedule, and other Project information.

2.2 References and Abbreviations

(a) When reference is made to known standards and specifications, the most recently adopted and published edition of such standards and specifications on the date of the notice to contractors is contemplated, unless otherwise specified.

(b) The Contract Documents contain references to various “standard” specifications, codes, practices, and requirements for materials, equipment, Work quality, installation, inspections, and tests, where references are published and issued by the organizations, societies, and associations listed herein by abbreviation and name. Such references are hereby made a part of the Contract Documents to the extent specified in the General Conditions.

(c) Whenever a referenced standard contains administrative requirements, including measurement and payment provisions, such as the standard specifications of various governmental entities, utility districts, and other agencies, such administrative requirements shall not apply to the Work of this Contract. References to such standards shall only be applicable to the pertinent Technical Specifications.
(d) Utility standards referenced in standard specifications shall apply only to material and workmanship with respect to Work, which upon completion is to be accepted by a municipality or a utility company. The commercial terms within these references (e.g., Control of Work, Prosecution and Progress, and Measurement and Payment) are not applicable to this Contract.

(e) Abbreviations. The following abbreviations shall refer to the technical society, organization, body, code, rules, or standards, listed opposite each abbreviation:

- **AASHTO** American Association of State Highway and Transportation Officials
- **ACI** American Concrete Institute
- **ADA** Americans with Disabilities Act
- **ADAAG** Americans with Disabilities Act Accessibility Guidelines
- **AIS** Archaeological Inventory Survey
- **AISC** American Institute of Steel Construction
- **AISI** American Iron and Steel Institute
- **APTA** American Public Transportation Association
- **ASCE** American Society of Civil Engineers
- **ASHRAE** American Society of Heating, Refrigerating, and Air Conditioning Engineers, Inc.
- **ASME** American Society of Mechanical Engineers
- **ASTM** American Society for Testing and Materials
- **AWWA** American Water Works Association
- **BFS** Department of Budget and Fiscal Services, City and County
- **BMP** Best Management Practices
- **BPS** Baseline Project Schedule
- **BWS** Board of Water Supply, City and County
- **CADD** Computer Aided Design and Drafting
- **CCH** City and County of Honolulu
- **CCO** Contract Change Order
- **CERCLA** Comprehensive Environmental Response, Compensation and Liability Act
- **CFR** Code of Federal Regulations
- **CGL** Commercial General Liability
- **CHASP** Contractor Health and Safety Plan
- **CHST** Construction Health and Safety Technician
- **CIH** Certified Industrial Hygienist
- **CMS** Contract Management System
- **CO** Change Order
- **COR** Department of the Corporation Counsel
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Full Form</th>
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<tbody>
<tr>
<td>CPC</td>
<td>Contractor Proposed Cost</td>
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<tr>
<td>CPM</td>
<td>Critical Path Method</td>
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<tr>
<td>CPO</td>
<td>Chief Procurement Officer</td>
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<tr>
<td>CSC</td>
<td>Core Systems Contractor</td>
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<tr>
<td>CSHT</td>
<td>Construction Safety and/or Health Technician</td>
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<tr>
<td>CSP</td>
<td>Certified Safety Professional</td>
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<tr>
<td>CSSO</td>
<td>Chief Safety and Security Officer</td>
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<tr>
<td>CSSP</td>
<td>Construction Safety and Security Plan</td>
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<tr>
<td>CWA</td>
<td>Clean Water Act</td>
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<td>CWMP</td>
<td>Construction Waste Management Plan</td>
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<tr>
<td>DB</td>
<td>Design-Build</td>
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<tr>
<td>DBA</td>
<td>Decibels, A-scale</td>
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<tr>
<td>DBB</td>
<td>Design-Bid-Build</td>
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<tr>
<td>DBE</td>
<td>Disadvantaged Business Enterprise</td>
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<tr>
<td>DBOM</td>
<td>Design-Build-Operate-Maintain</td>
</tr>
<tr>
<td>DCAB</td>
<td>Disability and Communication Access Board, Department of Health, State of Hawai‘i</td>
</tr>
<tr>
<td>DD</td>
<td>Data Date</td>
</tr>
<tr>
<td>DDC</td>
<td>Department of Design and Construction, City and County of Honolulu</td>
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<tr>
<td>DOH</td>
<td>Department of Health, State of Hawai‘i</td>
</tr>
<tr>
<td>DOR</td>
<td>Designer-of-Record</td>
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<tr>
<td>DOT</td>
<td>United States Department of Transportation</td>
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<tr>
<td>DOTAX</td>
<td>Department of Taxation, State of Hawai‘i</td>
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<tr>
<td>DPP</td>
<td>Department of Planning and Permitting, City and County of Honolulu</td>
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<tr>
<td>DTS</td>
<td>Department of Transportation Services, City and County of Honolulu</td>
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<tr>
<td>ECM</td>
<td>Environmental Compliance Manager</td>
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<tr>
<td>ED</td>
<td>HART Executive Director</td>
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<tr>
<td>ECP</td>
<td>Environmental Compliance Plan</td>
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<tr>
<td>EEO</td>
<td>Equal Employment Opportunity</td>
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<tr>
<td>EIS</td>
<td>Environmental Impact Statement</td>
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<tr>
<td>ENR</td>
<td>Engineering News Record (Trade Magazine)</td>
</tr>
<tr>
<td>ENV</td>
<td>Department of Environmental Services, City and County of Honolulu</td>
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<tr>
<td>EPA</td>
<td>United States Environmental Protection Agency</td>
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<tr>
<td>FAR</td>
<td>Federal Acquisition Regulations</td>
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<tr>
<td>Acronym</td>
<td>Description</td>
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<tr>
<td>FEIS</td>
<td>Final Environmental Impact Statement</td>
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<tr>
<td>FHWA</td>
<td>Federal Highway Administration, U.S. Department of Transportation</td>
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<tr>
<td>FTA</td>
<td>Federal Transit Administration, U.S. Department of Transportation</td>
</tr>
<tr>
<td>GCCC</td>
<td>HART’s General Conditions of Construction Contracts</td>
</tr>
<tr>
<td>GPS</td>
<td>Global Positioning System</td>
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<tr>
<td>HAR</td>
<td>Hawai‘i Administrative Rules</td>
</tr>
<tr>
<td>HART</td>
<td>Honolulu Authority for Rapid Transportation</td>
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<tr>
<td>HBCTCA</td>
<td>Hawai‘i Building and Construction Trades Council Affiliates</td>
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<td>HDOT</td>
<td>State of Hawai‘i Department of Transportation</td>
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<tr>
<td>HFD</td>
<td>Honolulu Fire Department</td>
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<tr>
<td>HHCTCP</td>
<td>Honolulu High-Capacity Transit Corridor Project, means Honolulu Rail Transit Project (HRTP)</td>
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<tr>
<td>HIOSH</td>
<td>Occupational Safety and Health, Department of Labor and Industrial Relations, State of Hawai‘i</td>
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<tr>
<td>HPD</td>
<td>Honolulu Police Department</td>
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<tr>
<td>HRS</td>
<td>Hawai‘i Revised Statutes</td>
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<tr>
<td>HRTP</td>
<td>Honolulu Rail Transit Project</td>
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<tr>
<td>HST</td>
<td>Hawai‘i Standard Time</td>
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<tr>
<td>HSS</td>
<td>State of Hawai‘i Standard Specifications for Road and Bridge Construction, 2005</td>
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<tr>
<td>IBC</td>
<td>International Building Code</td>
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<tr>
<td>ICD</td>
<td>Interface Control Document</td>
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<td>ICM</td>
<td>Interface Control Manual</td>
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<td>IDM</td>
<td>Interface Definition Meeting</td>
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<tr>
<td>ITP</td>
<td>Inspection and Testing Plan</td>
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<tr>
<td>JV</td>
<td>Joint Venture</td>
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<tr>
<td>KHG</td>
<td>Kamehameha Highway Guideway Design-Build Project</td>
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<tr>
<td>LAN</td>
<td>Local Area Network</td>
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<tr>
<td>LCC</td>
<td>Leeward Community College</td>
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<tr>
<td>LLC</td>
<td>Limited Liability Company</td>
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<tr>
<td>LLP</td>
<td>Limited Liability Partnership</td>
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<tr>
<td>MMP</td>
<td>Mitigation Monitoring Program</td>
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<tr>
<td>MOT</td>
<td>Maintenance of Traffic</td>
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<tr>
<td>MS4</td>
<td>Municipal Separate Storm Sewer Systems</td>
</tr>
<tr>
<td>MSDS</td>
<td>Material Safety Data Sheet</td>
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</tbody>
</table>
RFI Request for Information
RFID Request for Interface Data
RFB Request for Bids
RFC Request for Change
RFP Request for Proposals
ROD Record of Decision
ROH Revised Ordinances of Honolulu
ROM Rough Order of Magnitude
ROW Right-of-Way
RTSA Rapid Transit Stabilization Agreement
SAP Sustainability Action Plan
SBA Small Business Administration
SHPD State Department of Land and Natural Resources, Historic Preservation Division
SoV Schedule of Values
SP Special Provision
SSBMP Site-Specific Best Management Plan
SSCP Safety and Security Certification Plan
SSI Sensitive Security Information
SSMP Safety and Security Management Plan
SSPC Steel Structures Painting Council
SSSP Site Safety and Security Plan
TEA-21 Transportation Equity Act for the 21st Century
TCP Traffic Control Plan
TPSS Traction Power Substation
UBC Uniform Building Code
UH University of Hawai‘i
UL Underwriters' Laboratories
UMC Uniform Mechanical Code
UPC Uniform Plumbing Code
UPS Uninterruptable Power Supply
US United States
USC United States Code
US DOL United States Department of Labor
2.3 **Certification of Funds**

(a) No contract awarded shall be binding or of any force and effect, unless HART’s Chief Financial Officer or designee has, in accordance with Section 103D-309, HRS, endorsed thereon a certificate that there is an appropriation or balance of an appropriation over and above all outstanding contracts, sufficient to cover the amount required by the contract.

(b) If a contract is a multi-term contract, under Section 3-122-149, HAR, HART’s Chief Financial Officer shall only be required to certify that there is an appropriation or balance of an appropriation over and above all outstanding contracts that is sufficient to cover the amount required to be paid under the contract during the fiscal year or remaining portion of the fiscal year of the term of the multi-year contract; provided, however, this Section shall not apply to any contract in which the total amount payable to the Contractor cannot be accurately estimated at the time the contract is to be awarded. Payment and performance obligations for succeeding fiscal periods shall be subject to availability and appropriation of funds.

(c) Certification of a portion of fund. Notwithstanding the requirement for endorsement in subsection (a) above, certification of a portion of the total funds required for a contract may be permitted when an immediate solicitation will result in significantly more favorable contract terms and conditions to HART than a solicitation made at a later date; provided that certification for partial funding shall be permitted only if HART’s Chief Financial Officer states in the certificate that the availability of funds in excess of the amount certified as available shall be contingent upon future appropriations or special fund revenues. All contracts partially funded shall be enforceable only to the extent to which funds have been certified as available. [HAR § 3-122-102]

(d) Contracts involving federal funds. In any contract involving not only HART, State or City funds, but supplemental funds from the federal government, HRS Section 103D-309 shall be applicable only to that portion of the contract obligation and payable out of HART, State or City funds. Unless otherwise specified, the Contractor, by submittal of a Proposal and acceptance of an award, agrees that payment of that portion of the Contract amount that is supplemented of funded entirely by federal funds shall be payable upon receipt of those federal funds.

(e) Every contract modification, change order, or contract price adjustment under a contract shall be subject to prior written certification by HART’s Chief Financial Officer for funding the project or the contract, as to the effect of the contract modifications, change order, or price adjustment in contract price on the total project budget or the total contract budget. [HAR §3-122-241]

(f) In the event that any contract modification, change order, or adjustment results in an increase in the total budget or total contract budget, no contract modification, change order, or adjustment in contract price shall take effect, unless sufficient funds are made available therefor, or the scope of the project or contract is adjusted so as to permit the degree of completion that is feasible within the existing project budget or contract budget.
2.4 **Execution of Contract**

This Contract shall not be considered binding upon HART until the Contract has been fully and properly executed by all the parties thereto. Work performed prior to the execution of the Agreement will be at the sole risk of the Contractor.

2.5 **Independent Contractor**

It is expressly understood and agreed that the Contractor is an independent contractor, with the authority to control and direct the performance and details of the work and services herein contemplated; however, HART retains the general right of inspection by a designated representative in order to judge, whether in the HART’s opinion, such work is being performed by the Contractor in accordance with the terms of this Agreement. The Contractor shall not be deemed to be an agent, servant, or employee of HART. The Contract shall not be construed to create a partnership or joint venture between HART and the Contractor.

2.6 **Compliance with Contract Terms**

The Work shall be completed in conformity with the Contract Documents. In the event the Contractor fails to so perform, the Chief Procurement Officer, in addition to any other recourse, reserves the right to suspend the Contractor from bidding on any or all contracts of HART, the City, the State of Hawaii, or other counties of the State, pursuant to HAR Chapter 3-126.

2.7 **Reserved**

2.8 **Statutory or Ordinance Requirements**

The Contractor shall at all times observe, perform, and comply with all federal, state and local laws or ordinances, rules and regulations which in any manner affect and apply to those engaged or employed in the performance of the Work, the manufacture and sale of materials and equipment required under the Contract, and the conduct of the Work. The Contractor shall also comply with all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the Work. Any reference to such laws, ordinances, rules and regulations shall include any amendments thereto. If any discrepancy or inconsistency is discovered in the Contract for the Work in relation to any such laws, ordinances, rules and regulations, orders or decrees, the Contractor shall forthwith report the same to HART in writing.

2.9 **Taxes**

The offeror or the Contractor shall include and be responsible for paying all taxes which shall be applicable to the goods, services or construction or the furnishing or sale thereof. The price proposal submitted by the offeror shall be inclusive of all taxes, and any subsequent increase in tax cannot be submitted for adjustment to the Contract price.

2.10 **Indemnity**

The Contractor shall indemnify and hold harmless and defend HART and the City, their officers, employees, and agents from and against any liability, damage, loss, cost, and expense, including reasonable attorneys’ fees, and all claims, suits, and demands therefor arising out of or resulting from the negligent, reckless, intentional, or wrongful acts, errors, or omissions of the Contractor, the Contractor’s employees, officers, agents, or subcontractors in the performance of the Contract or the Contractor’s professional services, provided, however, that the Contractor shall not be responsible for such portion of damages, if any, caused by the negligence or intentional misconduct of HART or the City. This provision shall remain in full force and effect notwithstanding the expiration or earlier termination of the Contract.

2.11 **Infringement Indemnification**
If the Contractor uses or licenses any design, device, material, process, technology or any other intellectual property ("Intellectual Property") covered by patent, copyright, trademark or other intellectual property protection, the right for such use shall be procured by the Contractor from the appropriate owner. The Contractor shall defend, indemnify and hold HART and the City, and all their officers, agents, servants and employees harmless against all claims arising for infringement by reason of the use of any such Intellectual Property in connection with providing services under this Contract.

2.12 Liability

HART’S PAYMENT OBLIGATIONS UNDER THIS CONTRACT SHALL BE LIMITED ONLY TO THE PAYMENT FOR SERVICES UNDER THIS CONTRACT. IN NO EVENT SHALL HART BE LIABLE FOR ANY SPECIAL, CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES, INCLUDING BUT NOT LIMITED TO, LOST PROFITS, ARISING OUT OF OR IN CONNECTION WITH THIS CONTRACT.

2.13 Liquidated Damages

It is mutually understood and agreed by and between the parties to the Contract that time shall be of the essence and that in case of failure on the part of the Contractor to complete the Work by the Substantial Completion Date set forth in the Agreement, HART will be damaged thereby, and the amount of said damages, inclusive of expenses for inspection, superintendence, and necessary traveling expenses, being difficult if not impossible of definite ascertainment and proof, it is hereby agreed that the amount of such damages shall be the amount set forth in the Contract as liquidated damages for each and every calendar day, including weekends and holidays, that the Contractor delays in finishing the Work beyond the Substantial Completion Date; and the Contractor hereby agrees to pay the said sum as liquidated damages, and not by way of penalty, to HART and further authorizes HART to deduct the amount of the damages from monies due the Contractor under the Contract. If the monies due the Contractor are insufficient or no monies are due the Contractor, the Contractor shall pay HART the difference or the entire amount, whichever may be the case, upon demand by the Contracting Officer.

2.14 Ownership of Results

(a) Ownership of Results. All work products developed or prepared by the Contractor under the Contract, including deliverables, materials, or documents, are the property of HART, and all right, title, and interest therein shall vest exclusively in HART.

(b) Contractor’s Right to Copies. While any interests of the Contractor or its subcontractors, in drawings, plans, specifications, blueprints, studies, memoranda, computation sheets, computer files, and media or other documents prepared by the Contractor or its subcontractors in connection with services to be performed under this Contract, shall become the property of and will be transmitted to HART, the Contractor may retain and use of copies for references and as documentation of its experience and capabilities.

2.15 Wages and Hours

(a) Contractors shall observe and comply with all the provisions of Chapter 104, HRS, relating to wages and hours of employees on public works. The Contractor shall pay all employees on any contract with HART, the minimum basic wage rate in conformance with applicable Federal and State laws.

(b) Minimum Wages. The minimum wage shall be periodically increased during the performance of the Contract in an amount equal to the increase in the prevailing wages for those kinds of work as periodically determined by the State Director of Labor and Industrial Relations. Notwithstanding the provisions of the original contract entered into, if the Director of Labor and Industrial Relations
determines that the prevailing wage has increased, the rate of pay of laborers and mechanics on the contract shall be raised accordingly. No additional compensation shall be made to the Contractor for failing to consider increases of the minimum wage during the duration of the Contract.

(c) **Overtime Work.** No laborer or mechanic employed on the job site shall be permitted or required to work on a Saturday, Sunday, or a legal holiday of the State or in excess of eight hours on any other day unless the laborer or mechanic receives overtime compensation for all hours worked on a Saturday, Sunday, and a legal holiday of the State or in excess of eight hours on any other day. For purposes of determining overtime compensation under this subsection, the basic hourly rate of any laborer or mechanic shall not be less than the basic hourly rate determined by the Director of Labor and Industrial Relations to be the prevailing basic hourly rate for corresponding classes of laborer and mechanics on projects of similar character in the State.

(d) **Certified Payrolls.** The Contractor shall provide payroll and required fringe benefit information on a weekly basis, using the HART-designated labor compliance web-based program. The Contractor’s submittal of the payroll/fringe benefits reporting through the labor compliance web-based program shall be deemed a submission of certified copies of the same. HART will not accept payroll/fringe benefit reporting in paper form; the Contractor must provide the information using the labor compliance web-based program. The fringe benefit reporting shall include the cost of fringe benefits paid by the general contractor and all subcontractors and shall include the following itemization:

1. Health and welfare benefits;
2. Pension and annuity benefits;
3. Vacation benefits;
4. Continuing education and training benefits; and
5. Other fringe benefit costs paid by the general contractor or subcontractor.

The Contractor shall be responsible for the submission of the payrolls of all subcontractors. The Contractor, in providing such information, shall be certifying that the payrolls are correct and complete, that the wage rates contained therein are not less than the applicable rates contained in the wage determination decision of the Director of Labor and Industrial Relations, and that the classifications set forth for each laborer or mechanic conform with the work the laborer or mechanic performed. The payrolls shall contain the name of each employee, the employee’s correct classification, rate of pay, the itemized fringe benefit reporting form pursuant to above, daily and weekly numbers of hours worked on this project as well as hours performed on other projects, deductions made and actual wages paid.

(e) **Maintain Payroll Records.** Payroll records for all laborers and mechanics working at the site of the Work shall be maintained by the Contractor and its subcontractors, during the course of the Work and preserved for a period of three years upon completion of the Contract. The records shall contain the name of each employee, the employee's correct classification, rate of pay, daily and weekly numbers of hours worked, deductions made and actual wages paid.

(f) **Availability of Payrolls.** The Contractor shall make payroll records available for examination within ten (10) days from the date of a written request by a governmental agency or any authorized representative thereof. Any contractor who (1) fails to make payroll records accessible within ten (10) days, (2) fails to provide information requested for the proper enforcement of this chapter within ten (10) days, or (3) fails to keep or falsifies any record required under this chapter, shall be assessed a penalty as provided in HRS Section 104-22(b).

(g) **Violations.** If HART finds that any laborer or mechanic employed on the job site by the Contractor or any subcontractor has been or is being paid wages at a rate less than the required rate, or has
not received the laborer's or mechanic's full overtime compensation, the Officer-in-Charge may take
appropriate action in accordance with HRS Section 104-21, or the Officer-in-Charge may, by written
notice to the Contractor, terminate the Contractor's right, or the right of any subcontractor, to proceed
with the Work or with the part of the Work in which the required wages or overtime compensation have
not been paid and may complete such part of the Contract or otherwise, and the Contractor and its sureties
shall be liable to HART for any excess costs occasioned thereby.

(h) **Post Wage Schedule.** The Contractor is required to post the applicable wage schedule in a
prominent and easily accessible place at the job site. The Contractor shall give to each laborer and
mechanic employed under the Contract a copy of the rates of wages required to be posted.

(i) **Federally Funded or Federally Assisted Projects.** On federally funded or federally
assisted projects, the current federal wage rate determination in effect at the time of advertising the
solicitation documents is incorporated as part of the Contract, and both Federal and State wage rates shall
apply. Where rates for any class of laborers and mechanics differ, the higher rates shall prevail. The
minimum federal wage rates shall be those in the U. S. Department of Labor Wage Determination
Decision and Modifications in effect ten (10) days prior to the bid opening date.

A copy of the wage rate determination (including any additional classification and wage rate
conformed under 29 CFR Section 5.5a (1)(ii)) and Davis-Bacon poster (WH-1321) shall be posted at all
times at the site of work in a prominent and accessible place where it can be easily seen by the workers.

(j) **Employee Interviews.** HART and the State of Hawaii Department of Labor and Industrial
Relations may interview employees during working hours on the job. The Contractor may be assessed
penalties in accordance with HRS Section 104-22(b) if it fails to allow employees to be interviewed.

(k) **Failure to Comply.** Failure to comply with the requirements of this Section may result in
disqualification from bidding or submitting proposals on future projects.

(l) **Inclusion in Subcontract.** The Contractor shall include this Section in every subcontract
for work under this Contract.

(m) **Labor Stabilization Agreements.** On November 17, 2009, HART entered into the Rapid
Transit Stabilization Agreement and Rapid Transit Stabilization Agreement Hawaii Building and
Construction Trades Council Affiliates, respectively attached as Attachments B and C to the General
Conditions and collectively referred to as the Rapid Transit Stabilization Agreements (“RTSA”) to ensure
timely and efficient completion of the Project without delay due to labor disputes and to establish uniform
working conditions for all signatory construction trades and crafts. The awarded Offeror and all
subcontractors at any tier identified in the Offeror’s Final Proposal shall agree to be bound by the terms of
the RTSA by executing the respective Letters of Assents attached to Attachments B and C of the General
Conditions. It shall be the continuing obligation of the Contractor to obtain executed Letters of Assent
from all subcontractors at any tier. The Contractor is not required to obtain executed Letters of Assent
from subcontractors that are retained solely to perform work specified in Section 3.3 of the RTSA.

### 2.16 Apprenticeship Program Preference Contract Administration

(a) If applicable, the duration of a construction contract awarded utilizing the apprenticeship
preference, the Contractor shall certify each month that work is being conducted on the project and that it
continues to be a participant in the relevant apprenticeship program for each trade it employs.

(b) Monthly certification shall be made on Monthly Certification Form 2 prepared and made
available by the Hawaii State Department of Labor and Industrial Relations, be a signed original by the
respective apprenticeship program sponsor’s authorized official, and submitted by the Contractor with its
monthly payment requests.
(c) Should the Contractor refuse to submit its monthly certification forms of, at any time during the construction of the Project, cease to be a party to a registered apprenticeship agreement for each apprenticeable trades the Contractor employs, or will employ, the Contractor will be subject to the following sanctions:

1. Withholding of the requested payment until the required form(s) are submitted;
2. Temporary or permanent cessation of work on the Project, without recourse to breach of contract claims by the Contractor, provided the agency shall be entitled to restitution for nonperformance or liquidated damages claims; or
3. Debarment or suspension pursuant to HRS Section103D-702.

(d) If events such as “acts of God,” acts of a public enemy, acts of the State or any other government body in its sovereign or contractual capacity, fires, floods, epidemics, freight embargoes, unusually severe weather, strikes or other labor disputes prevent the Contractor from submitting the certification forms, the Contractor shall not be penalized as provided herein, provided the Contractor completely and expeditiously complies with the certification process when the event is over. [HRS §103-55.6]

2.17 Sexual Harassment Policy Requirements

(a) Compliance with Revised Ordinances of Honolulu Section 1-18.4 (City Ordinance 93-84) on sexual harassment is required of all contractors. All contractors shall have and enforce a policy prohibiting sexual harassment. The Contractor's sexual harassment policy must set forth the same or greater protection than those contained or required by the ordinance. The ordinance includes the following:

1. Prohibitions against an officer's or employee's sexual harassment of the following:
   (A) Another officer or employee of the employer;
   (B) An individual under consideration for employment with the employer; or
   (C) An individual doing business with the employer;
2. A provision prohibiting a management or supervisory officer or employee from knowingly permitting a subordinate officer or employee to engage in the sexual harassment prohibited under subdivision (1);
3. A prohibition against retaliation towards an officer, employee, or individual who has complained of sexual harassment, conducted an investigation of a complaint, or acted as a witness during an investigation of a complaint;
4. A prohibition against a malicious false complaint of sexual harassment by an officer, employee, or individual;
5. Provisions allowing an officer, employee, or individual to make a sexual harassment complaint to an appropriate management, supervisory, or personnel officer or employee;
6. Procedures for investigating a sexual harassment complaint in an unbiased, fair, and discreet manner with appropriate safeguards to maintain confidentiality and protection from embarrassment;
7. A provision requiring the use of the "reasonable person of the same gender standard," to determine if sexual harassment has occurred. Under the standard, sexual
harassment shall be deemed to have occurred if the alleged offender's conduct would be considered sexual harassment from the perspective of a reasonable person of the same gender as the alleged victim. If the alleged victim is a woman, the "reasonable person of the same gender standard" shall be equivalent to and may be called the "reasonable woman standard;"

(8) Disciplinary actions which may be imposed on an officer or employee who committed a prohibited act; and

(9) For an employer with at least five (5) employees, a provision requiring the annual viewing of a video on the sexual harassment policy by each management or supervisory officer or employee.

(b) The policy required under this Section shall be in effect for at least the duration of the Contract.

(c) The action of the bidder or proposer in submitting its bid, proposal or signing of the contract shall constitute its pledge and acceptance of the provisions for the sexual harassment policy as required by Revised Ordinances of Honolulu Section 1-18.4 (City Ordinance 93-84).

2.18 Campaign Contributions by State and County Contractors Prohibited

Compliance with HRS Section 11-355, relating to prohibition of campaign contributions is required.

2.19 Confidential or Proprietary Information of HART.

The Contractor understands and agrees that, in the performance of Work under this Agreement or in contemplation thereof, the Contractor may have access to private or confidential communication or information which may be owned or controlled by HART and that such communication or information may contain confidential or proprietary details, the disclosure of which to third parties may be damaging to HART, its personnel, consultants or other stakeholders. The Contractor agrees that all such information disclosed by HART to the Contractor shall be held in confidence and used only in the performance of this Agreement. The Contractor shall exercise the same standard of care to protect such information as a reasonably prudent contractor would use to protect its own confidential or proprietary data.

2.20 Personal Information Protection (HRS Chapter 487R)

(a) Definition. The terms as used in this Section have the following meaning:

"Personal information" means an individual’s first name or first initial and last name in combination with any one or more of the following data elements, when either name or data elements are not encrypted:

(1) Social Security number;

(2) Driver’s License number or Hawai’i Identification Card number; or

(3) Account number, credit or debit card number, access code, or password that would permit access to an individual’s financial information.

"Personal information" does not include publicly available information that is lawfully made available to the general public from federal, state, or local government records.

"Technological safeguards” mean the technology and the policy and procedures for use of the technology to protect and control access to personal information.
(b) **Confidentiality of Material.**

1. All material given to or made available to the Contractor by HART by virtue of this Contract, which consists of personal information, shall be safeguarded by the Contractor and shall not be disclosed without the prior written approval of HART.

2. The Contractor agrees not to retain, use, or disclose personal information for any purpose other than as permitted or required by this Contract.

3. The Contractor agrees to implement appropriate technological safeguards that are acceptable to HART to reduce the risk of unauthorized access to the personal information.

4. The Contractor shall report to HART in a prompt and complete manner any security breaches involving personal information.

5. The Contractor agrees to mitigate, to the extent practicable, any harmful effect that is known to Contractor because of a use or disclosure of personal information by Contractor in violation of the requirements of this paragraph.

6. The Contractor shall complete and retain a log of all disclosures made of personal information received from HART, or personal information created or received by the Contractor on behalf of HART.

(c) **Security Awareness Training and Confidential Agreements.**

1. The Contractor certifies that all of its employees who will have access to the personal information have completed training on security awareness topics relating to protecting personal information.

2. The Contractor certifies that confidentiality agreements have been signed by all of its employees who will have access to the personal information acknowledging that:

   A. The personal information collected, used, or maintained by the Contractor will be treated as confidential;

   B. Access to the personal information will be allowed only as necessary to perform the Contract; and

   C. Use of the personal information will be restricted to uses consistent with the services to this Contract.

(d) **Termination for Cause.** In addition to any other remedies provided for by this Contract, if HART learns of a material breach by the Contractor of this paragraph by the Contractor, HART may at its sole discretion:

1. Provide an opportunity for the Contractor to cure the breach or end the violation; or

2. Immediately terminate this Contract.

In either instance, the Contractor and HART shall follow Chapter 487N, HRS, with respect to notification of a security breach of personal information.

(e) **Records Retention.**

1. Upon any termination of this Contract, the Contractor shall pursuant to Chapter 487R, HRS, destroy all copies (paper or electronic form) of personal information received from HART.
(2) The Contractor and any subcontractors shall maintain the files, books, and records that relate to the Contract, including any personal information created or received by the Contractor on behalf of HART, and any cost or pricing data, for three (3) years after the date of final payment under the Contract. The personal information shall continue to be confidential and shall not be disclosed without the prior written approval of HART. After the three (3) year retention period has ended, the files, books, and records that contain personal information shall be destroyed pursuant to Chapter 487R, HRS.

2.21 Audit and Inspection of Records

The Contractor agrees to maintain and make available to HART, during regular business hours, accurate books and accounting records relating to its work under this Contract. The Contractor will permit HART to audit, examine and make excerpts and transcripts from such books and records, and to make audits of all invoices, materials, payrolls, records or personnel and other data related to all other matters covered by this Contract. The Contractor shall maintain such data and records in an accessible location and condition for a period of not less than three years after final payment under this Contract or until after final audit has been resolved, whichever is later. HART acknowledges that the documents and records presented for inspection may be the Contractor’s confidential information.

2.22 Confidentiality with the News Media and Public

When dealing with the news media or the public, the Contractor is expected to be circumspect and to treat all matters falling within the scope of the Contract with the utmost confidentiality. The Contractor shall consult with and/or obtain the consent of the Officer-in-Charge prior to having conversations with or giving public interviews to the news media or any other members of the public.

2.23 Governing Law and Venue

The provisions of the Contract shall be interpreted in accordance with the laws of the State of Hawaii as those laws are construed and amended from time to time. All disputes arising out of or relating to this Contract shall be subject to the jurisdiction and venue of the State and Federal courts in Honolulu, Hawaii. All discovery between the parties undertaken pursuant to Federal, State, or local rules shall be conducted in Honolulu, Hawaii, including, but not limited to, the production of documents and the appearance of expert and lay witnesses for deposition, if such depositions are permitted by court rules. In the event of a dispute, the Contractor and HART agree to bear the costs of producing their own employees for deposition in Honolulu, Hawaii, including but not limited to travel costs, per diem expenses, and cost of employee time. The parties further agree that if court rules or the court itself permits the deposition of expert witnesses, the party seeking the testimony of the expert witness will bear that witness’ reasonable costs of travel, preparation costs and cost for time while in transit.

2.24 Severability

If any term, condition, provision, covenant, or agreement of the terms hereunder or under the Contract or the application thereof to any person or circumstance is rendered or held invalid, illegal, or unenforceable under the laws of the State of Hawaii or the United States, such part of the terms hereunder or under the Contract that shall have been rendered or held to be invalid, illegal, or unenforceable shall not affect the validity of the terms hereunder or under the Contract as a whole or the remainder of the terms hereunder or under the Contract and the application of such part to other persons and circumstances, but shall be given effect and enforced without such part to the greatest extend permitted by applicable law.

2.25 Counterparts

HART GENERAL CONDITIONS of CONSTRUCTION CONTRACTS (12/2014)
Chapter 2 - General Provisions
This Agreement and corresponding Amendments, Change Orders and all other Modifications may be signed in duplicate originals, or in separate counterparts, which are effective as if the Parties signed a single original. A facsimile or .pdf of an original signature version transmitted to the other Party is effective as if the original was sent to the other Party.

END OF CHAPTER
Chapter 3 – Modifications and Termination

3.1 Change Orders / Price Adjustments

(a) **Change Order.** HART may at any time, without notice to any surety, in a signed writing designated or indicated to be a change order, may make changes in the Work within the scope of the Contract as may be found to be necessary or desirable. Such changes shall not invalidate the Contract or release the sureties, and the Contractor will perform the Work as changed, as though it had been part of the original Contract. Minor changes in the Work may be directed by HART with no change in contract price or time. The Contractor’s cost of responding to requests for price or time adjustments, including but not limited to, preparing the Contractor’s cost proposal, is included in the Contract price and no additional compensation will be allowed. If the Contractor believes a change order justifies an increase in Contract price or Contract time, it must follow the notice requirements set forth in this Section.

(b) **Claims Based on Oral Directives.** Any oral order, direction, instruction, interpretation or determination from HART which, in the opinion of the Contractor, causes any change, can be considered as a change only if the Contractor gives HART oral notice no later than noon of the following work day of its intent to treat such oral order, direction, instruction, interpretation or determination as a change requiring adjustment, followed by a written notice of potential claim within five (5) days after providing oral notice. The written notice shall state the date, circumstances, source of the order that the Contractor regards as a change requiring adjustment, and provide detailed justification for additional compensation or time. The timely written notice may not be waived and shall be a condition precedent to the filing of a claim by the Contractor. Unless the Contractor acts in accordance with this procedure, any oral order shall not be treated as a change, and the Contractor waives any claim for an increase in the Contract time or price related to the Work.

If the Contractor objects to HART’s refusal to issue a change order, it shall file a written protest with HART within thirty (30) days after delivery to HART of the Contractor’s written notice of its intention to treat the oral order as a change. In all cases, the Contractor shall proceed with the Work. The protest shall be determined in accordance with the disputes provisions under Chapter 6 of the General Conditions, Claims Procedures, Disputes and Remedies.

(c) **Field Change Notice.** When changed Work must be done immediately, HART may issue a field change notice (FCN) for purposes of documenting a change in field condition. Such change notice may or may not constitute a change requiring adjustment to Contract price or time. Upon receipt of FCN, the Contractor shall proceed with the Work as changed under the FCN, without delay. The FCN will include whether the FCN Work is deemed by HART as change requiring adjustment to Contract price or time. If HART deems the FCN Work a compensable change, such Work will be compensated as set forth in GC Section 5.9, Force Account, provided, however, an FCN will not exceed $50,000. The FCN force account work will be paid under a field change notice Allowance.

If the Contractor does not agree with any of the terms or conditions set forth in the FCN, the Contractor shall file a written notice of potential claim no later than five (5) days after receipt of the FCN. The written notice shall provide a detailed justification for additional compensation or time. If no HART Request for Change is issued within fourteen (14) days of receipt of the Contractor’s written notice, it shall be deemed a rejection of the Contractor’s claim for a change. If the Contractor objects to HART’s position, it shall file a written claim with HART within thirty (30) days after delivery to HART of the Contractor’s written notice of potential claim in accordance with the disputes provisions under Chapter 6 of the General Conditions. The claim shall be determined in accordance with Chapter 6 of the General Conditions. Failure to file the written notice of potential claim or to protest any portion of the field order by the time specified shall constitute agreement on the part of the Contractor with all the terms, conditions, amounts and adjustment or non-adjustment to Contract price, Contract time, or both set forth.
in the field order or the non-protested portion of the Field Change Notice. The timely written notice may
not be waived and shall be a condition precedent to the filing of any claim by the Contractor.

(d) **Unilateral Change Order.** In the event the parties cannot come to an agreement, HART,
at its sole discretion, may issue a unilateral change order. In such an event, the Contractor shall continue
to provide timely services, provided, however, that HART makes provisional adjustments in payment
and/or time for performance of the changed work as may be reasonable in accordance with HRS Section
103D-501(b)(5). Within thirty (30) days after receipt of a Unilateral Change Order, the Contractor shall
file a notice of intent to assert a claim for an adjustment. The requirement for filing a timely written
notice shall be a condition precedent to the assertion of a claim.

(e) **Other Claims not Barred.** In the absence of a change order, nothing in this clause shall
restrict the Contractor’s right to pursue a claim arising under the Contract or for breach of contract.

3.2 **Changed Cost Proposal or Contractor Proposed Costs (CPC).** At any time, HART may
request a CPC from the Contractor for contemplated changes in the Work and the Contractor shall
provide the CPC within fourteen (14) days upon receipt of HART’s request.

a) **Field Change Notice.** With the issuance of an FCN, HART may request the Contractor to
provide a Contractor Proposed Costs (CPC) within fourteen (14) days of the request. Such request shall
not affect the duty of the Contractor to proceed with the Work as ordered in the FCN.

b) **Request for Change.** Upon HART’s issuance of a Request for Change (RFC), the
Contractor shall submit a CPC within fourteen (14) days of receipt of the RFC. This request, however, is
not a directive for the Contractor to perform the work described therein.

c) **CPC Requirements.** The CPC shall provide a cost estimate that includes a detailed cost
breakdown for material, equipment, and labor, including the addition or reduction of time. The CPC shall
also include the Contractor’s and subcontractors’ cost breakdown in acceptable detail. An executed copy
of Exhibit H of the General Conditions, Certification of Cost and Pricing Data, must accompany the CPC.
In the event the CPC is not submitted within the specified period, HART may direct the Contractor to
proceed with the Work by issuing a Unilateral Change Order instructing the Contractor to proceed with
the Work based on HART’s estimate of the cost and/or time extension.

HART may accept the entire CPC or any discrete cost item contained in the CPC or the proposed
adjustment to Contract time by notice in writing to the Contractor within thirty (30) days after receipt of
the CPC. This request, however, is not a directive for the Contractor to perform the work described
therein.

3.3 **Price Adjustment**

(a) **Price Adjustment Methods.** Any adjustment in Contract price pursuant to a clause in this
Contract shall be made in one or more of the following ways:

1. By agreement on a fixed price adjustment before commencement of the pertinent
   performance;
2. By unit prices specified in the Contract or subsequently agreed upon before
   commencement of the pertinent performance;
3. By the costs attributable to the events or situations under such clauses with
   adjustment of profit or fee, all as specified in the Contract or subsequently agreed
   upon before commencement of the pertinent performance;
4. Work that is paid for on a force account basis will be in accordance with the
   requirements specified in the Contract (Chapter 5 of the General Conditions).
(5) In any other manner as the parties may mutually agree upon before commencement of the pertinent performance; or

(6) In the absence of agreement between the parties the provisions of HRS Section 103D-501(b)(5), shall apply.

(b) Submission of Cost or Pricing Data. The Contractor shall be required to submit cost or pricing data if any adjustment in Contract price is subject to the provisions of HRS Section 103D-312 or if HART deems it necessary. The submission of any cost or pricing data shall be subject to the provisions of HAR Chapter 3-122, subchapter 15. Costs will be allowable only to the extent that costs or cost estimates are consistent with Federal cost principles set forth in Federal Acquisition Regulations (FAR) Part 31 and Office of Management and Budget (OMB) Circular A-87. HART may impose more restrictive allowance criteria at HART’s sole discretion. The Change Cost Proposal supported by cost and/or pricing data shall be submitted on a timely basis as provided for under the relevant clauses of the Contract.

(c) Maximum Allowable Overhead and Profit in Price Adjustments. In determining the adjustment in price to HART resulting from a change, the allowances for all overhead, extended overhead resulting from adjustments to contract time (including home office and branch office overhead), consistent with FAR Part 31 cost principles, and profit combined shall not exceed the percentages set forth below:

1. For the Contractor, for any work performed by its own forces up to twenty percent (20%) of the cost of the change;

2. For each subcontractor involved, for any work performed by its own forces up to twenty percent (20%) of the cost of the change;

3. For the Contractor or any subcontractor, for work performed by their subcontractors up to ten percent (10%) of the amount due the performing subcontractor for the change.

Not more than three line item percentages for fee and overhead, not to exceed the maximum percentages shown above, will be allowed regardless of the number of tier subcontractors.

(d) Claim Barred after Final Payment. No claim for an adjustment under this Contract shall be allowed after final payment is made for this Contract.

3.4 Suspension of Work

(a) Suspension of Work. The Officer-in-Charge may, by written order, suspend the work, either in whole or in part for periods as the Officer-in-Charge may deem necessary for any cause, including but not limited to:

1. Weather or soil conditions considered unsuitable for prosecution of the Work;

2. Failure on the part of the Contractor to:

   (A) Correct conditions unsafe for the general public or for the workers;

   (B) Carry out orders given by the Officer-in-Charge;

   (C) Perform the work in strict compliance with the provisions of the Contract; or

   (D) Provide adequate supervision on the jobsite.

3. Whenever a redesign that may affect the work is deemed necessary by the Officer-in-Charge;
(4) Unacceptable noise or dust arising from the construction even if it does not violate any law or regulation;

or

(5) The convenience of HART.

(b) **Partial and Total Suspension.** Suspension of work on some but not all items of work shall be considered a "partial suspension." Suspension of work on all items shall be considered "total suspension." The period of suspension shall be computed from the date set out in the written order for work to cease until the date of the order for work to resume.

(c) **Reimbursement to Contractor.** In the event that the Contractor is ordered by the Officer-in-Charge in writing as provided herein to suspend all or part of the work under the Contract in accordance with subsections (a)(1), (3)-(5) of the “suspension of work” paragraph, the Contractor may be reimbursed for actual money expended toward the Project during the period of suspension, provided that the Contractor mitigates its costs during the suspension period to allow for only those necessary costs. No allowance will be made for anticipated profits or damages.

(d) **Cost Adjustment.** If the performance of all or part of the Work is suspended for reasons beyond the control of the Contractor, an adjustment shall be made for any increase in the cost of performance of the Contract (excluding profit) necessarily caused by such suspension, and the Contract modified in writing accordingly. However, no adjustment under this Section shall be made for any suspension in the following circumstance or event:

(1) To the extent that performance would have been so suspended, delayed, or interrupted by any other cause, including the fault or negligence of the Contractor; or

(2) For which an adjustment is provided for or excluded under any other provision of the Contract.

(e) **Claims for Adjustment.** Claims for compensation shall be filed in writing with the Officer-in-Charge within thirty (30) days after the date of the order to resume work or the claims will not be considered. Together with the claim, the Contractor shall submit substantiating documents covering the entire amount shown on the claim. The Officer-in-Charge shall take the claim under consideration and may make such investigations as are deemed necessary and shall be the sole judge as to the equitability of the claim and the Officer-in-Charge's decision will be issued within sixty (60) days of receipt by HART of Contractor’s claim. The Officer-in-Charge's decision shall be final.

(f) **No Adjustment.** No provision of this Section shall entitle the Contractor to any adjustments for delays due to failure of surety, for suspensions made at the request of the Contractor, for any delay required under the Contract, for suspensions, either partial or whole, made by HART under the provisions in GC Section 3.4(a)(2).

(g) **Contractors Responsibilities Under Suspension of Work.** In case of suspension in the performance of the Work under the Contract from any cause whatsoever, the Contractor in addition to being responsible for performing the Work under the Contract shall:

(1) Continue to indemnify and save HART and its officers and employees harmless from liability for any injury or damage occurring during the period that the performance of the Contract is suspended;

(2) Be responsible for all materials and equipment delivered to the site of the Project, including materials and equipment for which the Contractor has received partial payment;
(3) Properly store the materials and equipment which have been partially paid for by HART or which have been furnished by HART;

(4) Remove immediately as directed by the Officer-in-Charge all surplus materials, equipment, and rubbish;

(5) Neatly and compactly store all materials and equipment on the site of Project within public highways or streets so as not to impede traffic or interfere with the use of public utilities or facilities;

(6) Provide suitable drainage and erect such temporary structures as are necessary to protect the Project or parts of the Project from damage;

(7) Properly and continuously maintain in an acceptable growing condition all living material in newly established plantings, seedlings, and sodding furnished under this Contract; and

(8) Continue to maintain required liability insurance coverages.

(h) **Standby Equipment Rates.** The Contractor’s cost adjustment for standby equipment during the suspension period shall not exceed fifty percent (50%) of the ownership rental rates provided in the Rental Rate Blue Book (“Blue Book”). Standby time should not exceed eight (8) hours per day, forty (40) hours per week, or the annual usage hours as established in the Blue Book.

(i) **Time Adjustment.**

(1) When the performance of Work is totally suspended by the Officer-in-Charge for one or more days in accordance with paragraphs (1), (3) and (5) of GC Section 3.4(a), the Contract Completion Date shall be revised accordingly, subject to GC Section 3.4(i)(4).

(2) During periods of partial suspension of Work, subject to GC Section 3.4(i)(4), the Contractor will be granted an extension of time only if the partial suspension affects the final completion date of the Contract. If the Contractor feels that an extension of time is justified, the Contractor must promptly notify HART in writing that the partial suspension will affect the critical operations in progress.

(3) The Officer-in-Charge shall evaluate all time extension requests and shall ascertain the facts and the extent of time involved, and the Officer-in-Charge’s findings of facts shall be final and conclusive.

(4) No time extension will be considered for the following:

(A) Delays or suspension of work due to the fault of the Contractor, including the causes listed in GC Section 3.4(a)(2);.

(B) Delays in arrival of materials and equipment due to the fault of the Contractor, its subcontractor or supplier in ordering, fabricating, delivery, etc.

(C) Delays caused by changes which the Officer-in-Charge determines unjustifiable due to the lack of supporting evidence because the change is of such nature that the final completion date will not be affected.

(D) Delays caused by the failure of the Contractor to submit, on a timely basis, for approval by the Officer-in-Charge, shop drawings, descriptive sheets, material samples, color samples, and other required submissions, except as covered in...
GC Section 3.8(b), Delays Due to Causes Beyond Contractor’s Control/Force Majeure;

(E) Failure to submit requests for clarification on a timely basis to avoid impacting the Project Schedule;

(F) Delays by subcontractors or suppliers at any tier unless it can be shown that the delay was unforeseeable and not caused by any failure or neglect on the part of the subcontractor or supplier;

(G) Delays that affect the Contractor’s planned early completion, but do not affect the specified or adjusted Contract Time;

(H) Shortages of materials or equipment if the supplies, services, or equipment were obtainable from other sources in sufficient time to permit the Contractor to meet the required schedule;

(I) Financial difficulties; and

(J) Lack of know-how or other inability to perform.

3.5 Variations in Estimated Quantities

(a) Variations Requiring Adjustments. Where the quantity of a Pay Item in the Contract is an estimated quantity and where the actual quantity of such pay item varies more than fifteen percent (15%) above or below the estimated quantity stated in the Contract, an adjustment in the Contract price shall be made upon demand of either party. The adjustment shall be based upon any increase or decrease in costs due solely to the variation above one hundred fifteen percent (115%) or below eighty-five percent (85%) of the estimated quantity. If the quantity variation is such as to cause an increase in the time necessary for completion, the Officer-in-Charge shall, upon receipt of a timely written request for an extension of time, prior to final payment of the Contract, ascertain the facts and make such adjustment for extending the completion date as in the judgment of the Officer-in-Charge the findings justify.

(b) Any adjustment in the Contract price shall be in accordance with the price adjustment provisions of the Contract.

(c) Eliminated Items

(1) Should any Work required by the Contract be found unnecessary, HART may, upon written order to the Contractor, eliminate such items from the Contract.

(2) When the Contractor is notified of the elimination of Work, the Contractor will be paid for the actual Work done up through the date of notification.

3.6 Differing Site Conditions; Surface and Subsurface Conditions

(a) Differing Site Conditions

(1) The Contractor shall promptly, and before such conditions are disturbed, but not more than two (2) days from the date the Contractor first becomes aware of the condition, notify HART in writing of:

(A) Subsurface or latent physical conditions at the site differing materially from those indicated in the Contract or Contract-related documents, including the as-built, geo-tech reports, hydrographic survey data, plans and drawings, or any other documents or samples available to the Contractor at the time of bidding; or
(B) Unknown physical conditions at the site, of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract or Contract-related documents, including as-builts, geo-tech reports, hydrographic survey data, plans and drawings, or any other documents or samples available to the Contractor at the time of bidding.

(C) Upon giving written notification, except in the instance of Hazardous Materials, the Contractor shall proceed with Work without further delay. The written notice will identify the condition prompting the notice; the basis upon which the condition is alleged to be concealed or unknown, and the adjustments sought by the party providing the notice.

(2) The OIC or his/her designee will make a determination within seven (7) days as to whether the Contractor meets the standard for “differing site conditions” as set forth herein and is, therefore, entitled to recovery for a “differing site condition.” The OIC or designee, in making his/her determination, will investigate the site and consider factors including whether the Contractor has demonstrated that the conditions indicated in the Contract or Contract-related documents differ “materially” from those actually encountered during performance; whether the conditions actually encountered were reasonably unforeseeable based on all information available to the Contractor at the time of bidding; the Contractor reasonably relied upon its interpretation of the Contract and Contract-related documents; and whether the Contractor was damaged as a result of the material variation between the expected and encountered conditions. No claim of the Contractor shall be allowed under this clause, unless the Contractor has given the required written notice and request for approval within the time period set forth herein. No claim by the Contractor for an adjustment hereunder shall be allowed if asserted after the final payment under the Contract. Nothing contained in this clause shall be grounds for an adjustment in compensation if the Contractor had actual knowledge of the existence of such conditions prior to the submission of bids.

(3) If additional recovery is sought, the Contractor shall submit a CPC in accordance with the requirements of GC Section 3.2 above.

3.7 Assignment of Monies; Successor-in-Interest; Notation or Change of Name

(a) No assignment. No contract entered into between HART and the Contractor is transferable, or otherwise assignable, without the written consent of the Chief Procurement Officer or his designee, provided that the Contractor may assign monies receivable under a contract after due notice to HART.

(b) Recognition of a successor-in-interest; assignment. When in the best interest of HART, a successor-in-interest may be recognized in an assignment agreement in which the transferor, the transferee and HART shall agree that:

(1) The transferee assumes all of the transferor’s obligations;
(2) The transferor remains liable for all obligations under the Contract as against HART; and
(3) The transferor shall continue to furnish, and the transferee shall also furnish, all required bonds.
(c) **Change of Name.** When a contractor requests to change the name in which it holds a contract with HART, the Contracting Officer responsible for the contract shall, upon receipt of a document indicating such change of name (for example, an amendment to the articles of incorporation of the corporation), enter into an agreement with the requesting contractor to effect such a change of name. The agreement changing the name shall specifically indicate that no other terms of the contract are thereby changed. HART shall not be obligated to accept the change of name, should such a change affect any of the terms and conditions of the Contract.

### 3.8 Delays and Time Extensions; Force Majeure

(a) Delays and Time Extensions.

(1) The Contractor should anticipate that some reasonable delays, including those caused by normal weather patterns, might occur. The Contractor shall not be entitled to any compensation, delay damages, or extension in time for such reasonable delays. Time extensions will be allowed only to the extent that completion of the Work is unreasonably delayed through no fault of the Contractor, which must, in all cases, be substantiated by impact to the critical path on the Project schedule. The Contractor shall not be in default for failure to meet the milestones set forth in the most current Project schedule if such delay is caused by reason of increase in scope of work directed solely by HART and only if the changes are on the critical path and affect the final completion date of the Contract.

(A) The Contractor shall notify HART in writing immediately of all anticipated delays in the performance of the Work and, in any event, not less than twenty-four (24) hours from the occurrence of a delay.

(B) **Compensable Delay.** For compensable delay caused solely by HART action or omission, where there was no concurrent delay on the part of the Contractor, including mitigating further losses and damages, the Contractor shall properly submit to HART its written claim for compensable delay supported by detailed justification demonstrating the Contractor’s entitlement to a compensable delay within fourteen (14) days after commencement of the delay, which the Contractor deems to have been caused solely by HART’s action or omission. If it is determined by the OIC that the compensable delay is warranted, the Contractor shall be paid the daily rate of compensable delay as set forth in the Contractor’s pricing proposal. If no daily compensable rate was solicited and proposed to be made a part of this Contract, then the Contractor will be entitled to reimbursement of its compensable delay, as follows: Such reimbursement shall include the direct costs incurred as a result of the delay and a total of ten percent (10%) added to these amounts for both overhead and profit. Work performed by the first tier subcontractor shall include no more than ten percent (10%) mark-up for both overhead and profit, with an additional five percent (5%) for the Contractor for both overhead and profit. If the Work is performed by a subcontractor at the second tier, that subcontractor is entitled to a total of ten percent (10%) for both overhead and profit and the Contractor and the first tier subcontractor are entitled to a total three percent (3%) mark-up each for overhead and profit. No more than three (3) tiers shall be entitled to overhead and profit. Any other cost or consequential damage including,
but not limited to, costs incurred on other construction projects, is not compensable. The OIC shall be entitled to seek further documentation, including a detailed CPC to be submitted thirty (30) days upon the OIC’s request, or any other information required to make the determination.

(C) The Contractor shall provide the period of delay and number of days requested for delay. The period of delay shall be solely for the period of time during which Substantial Completion was delayed.

(D) Concurrent Delay. No additional compensation will be paid to the Contractor for any time period when the Project completion date is delayed as a result of concurrent delay. Delays are considered concurrent when the Contractor encounters an excusable delay but also has caused its own delay to the Project for the same period of time. The Contractor is only entitled to an adjustment to time and/or compensation for the period of time that the excusable delay exceeds the concurrent delay.

(E) If the Contractor fails to fully comply with the notification requirements of GC Sections 3.8(a)(1)(A) and (B), its claim for an extension of time is waived.

(b) Delay Due to Causes Beyond Contractor’s Control/Force Majeure.

(1) The Contractor’s right to proceed shall not be so terminated nor shall the Contractor be charged with resulting damage if the delay in the completion of the Work arises from reasons beyond the Contractor’s control or force majeure. Force majeure is limited to the following events:

(A) Any floods (50-year or greater) within one mile of the Project; any windstorm (Cat-3 or more severe) within one mile of the Project; or any earthquake exceeding 3.5 on the Richter scale and epicentered within 25 miles of the specific location of damage on the Site, exceeding 5.0 on the Richter scale and epicentered within 50 miles from the specific location of damage on the Project site, or exceeding 6.5 on the Richter scale and epicentered within 75 miles from the specific location of damage on the Project site; in all cases based on the final determination regarding the location and magnitude of the earthquake published by the National Earthquake Information Center in Golden, Colorado;

(B) Any epidemic, rebellion, war, riot, act of terrorism or sabotage;

(C) Any spill or release of Hazardous Substance by a third party at, near, or on the Project site, which occurs after the Proposal due date and is required to be reported to the relevant governmental agencies;

(D) The discovery at, near, or on the Project site of any archaeological, paleontological, biological, or cultural resources, or any species presently or in the future listed as threatened or endangered under the federal or state endangered species act; provided that the existence of such resources was not identified in the Contract Documents;

(E) The suspension, termination, interruption, denial or failure to obtain, nonrenewal, or amendment of any environmental approval, except if such suspension, termination, interruption, denial or failure to obtain, renew or amend is due to an action or omission on the part of the Contractor or except as otherwise provided in the Contract;
(F) Any change in a Governmental Rule or change in the judicial or administrative interpretation of or adoption of any new Governmental Rules which is materially inconsistent with Governmental Rules in effect on the Proposal due date and materially affects the Contract; and

(G) Any court action seeking to restrain, enjoin, challenge, or delay construction of the Project or the granting or renewal of any governmental approval for the Project, except to the extent that the court action is due to an act or omission of the Contractor of any of its subcontractors and could not have been prevented by due diligence and use of reasonable efforts by the Contractor.

(2) The term *force majeure* specifically excludes from its definition the following events which might otherwise be considered *force majeure*:

(A) Any climactic conditions, storms, floods (less than 50-year), droughts, fires, windstorms (less than Cat-3), earthquakes (3.5 or lower on the Richter scale), landslides, or other catastrophes as measured, recorded, or experienced within proximity to the Project;

(B) Strike, labor dispute, work shutdown, work stoppage, secondary boycott, walkout, or similar occurrences;

(C) The suspension, termination, interruption, denial or failure to obtain, or nonrenewal of any permit, license, consent, authorization, or approval (including all governmental approvals other than environmental approvals), which is necessary for the performance of the Work or the maintenance of the Project;

(D) The work or presence on the Project site of any third party, including but not limited to other contractors, personnel employed by the State of Hawaii, other public entities, other transportation or utilities’ entities, or by other private enterprises or any delay in progressing Work by any third party as indicated or disclosed in the Contract Specifications or ordinarily encountered or generally recognized as inherent in the Work;

(E) The existence of any facility or appurtenances owned, operated, or maintained by any third party, as indicated or disclosed in the Contract Specifications or ordinarily encountered or generally recognized as inherent in the Work;

(F) The act or failure to act of any public or governmental body, transportation company or corporation, or utility, including but not limited to approvals, permits, restrictions, regulations, or ordinances relevant to the Contractor’s Work under the Contract;

(G) Restraining orders, injunctions or judgments issued by a court which were caused by the Contractor’s submissions, action or inaction, or means and method of construction;

(H) Any shortages or supplies or material required by the Contract Work; and

(I) Variations in soil moisture content from that represented in reports, borings, or tests conducted by HART and included in the Contract Specifications.

(3) The Contractor, within ten (10) days from the beginning of the delay caused by the *force majeure* event shall notify HART in writing specifying the reason or reasons.
for the delay and the effect of this delay to the specified completion date of the Project. The Contracting Officer shall ascertain the facts and the extent of the delay.

(4) Time extensions shall be the exclusive remedy granted to the Contractor for delay due to force majeure events, and no additional compensation will be paid the Contractor for such delays.

(c) The Contractor shall never be entitled to anticipated profit or actual profit for change orders only involving an extension in Contract time.

3.9 Termination for Default or Nonperformance

(a) If a petition in bankruptcy should be filed by the Contractor, or if the Contractor should make a general assignment for the benefit of creditors, or if a receiver should be appointed due to the insolvency of the Contractor, or if the Contractor refuses or fails to perform the Work, or any separable part thereof, with such diligence as will assure its completion within the time specified in this Contract, or any extension thereof, fails to complete the Work within such time, fails to make prompt payment to subcontractor or payment for materials or labor, or disregard laws, ordinances or the instructions of HART, or if the Contractor should refuse or fail to abide by the Contract, the schedule requirements in the Contract Documents, or commits any other substantial breach of this Contract, including the events of default listed in subsection (b) below, and further fails within fifteen (15) days after receipt of written notice from the Officer-in-Charge or Director to commence and continue correction of the default with diligence and promptness, the Officer-in-Charge and/or Director may, by written notice to the Contractor, declare the Contractor in breach and terminate the Contractor's right to proceed with the Work or the part of the Work as to which there has been delay or other breach of contract. In that event, HART may take over the work and perform the same to completion, by contract or otherwise, and may take possession of, and utilize in completing the Work, the materials, appliances, and plant as may be on the site of the Work and necessary therefore. Whether or not the Contractor's right to proceed with the Work is terminated, the Contractor and the Contractor's sureties shall be liable for any damage to HART resulting from the Contractor's refusal or failure to complete the Work within the specified time.

(b) Default. Any of the following causes may be deemed by HART to be a default and result in the Contractor's termination under the Contract:

(1) Failure to commence work within the time specified in the notice to proceed;
(2) Failure to perform the work with sufficient workers and equipment or with sufficient materials to assure the prompt completion of said work;
(3) Failure to comply with orders of the Officer-in-Charge;
(4) Discontinuation of the prosecution of the work;
(5) Failure to resume work which has been discontinued within a reasonable time after notice to resume;
(6) Insolvency or is declared bankrupt, or commits any act of insolvency or bankruptcy;
(7) Allows any final judgment to stand against the Contractor unsatisfied for a period of ten (10) days;
(8) Assignment for the benefit of creditors;
(9) Unauthorized changes in the subcontractor listing submitted with the Contractor's proposal; or
(10) Failure to correct deficiencies or to complete the Contract.
(c) If the expense incurred by HART of finishing the Work exceeds the unpaid balance due to early termination of the Contract resulting from the Contractor’s default, the Contractor shall pay the difference to HART within a reasonable time not to exceed forty-five (45) days of receiving an invoice. The expenses incurred by HART herein and the damages incurred through the Contractor’s default, shall be determined by HART, at its sole discretion, which determination shall be binding between the parties subject to the procedures stated in the Contract Documents and pursuant to applicable law regarding the resolution of disputes.

(d) **Liquidated Damages Upon Termination.** If fixed and agreed liquidated damages are provided in the Contract, and if HART so terminates the Contractor's right to proceed, the resulting damage will consist of the liquidated damages for the time as may be required for final completion of the work.

(1) Liquidated Damages in Absence of Termination. If fixed and agreed liquidated damages are provided in the Contract, and if HART does not terminate the Contractor's right to proceed, the resulting damage will consist of liquidated damages until the Work is completed or accepted.

(e) Without waiving any other right or remedy, HART may serve written notice upon the Contractor and the Surety on its Performance Bond demanding satisfactory compliance with the Contract. Upon receipt of such demand, the Surety shall, with reasonable promptness, but in no event more than fifteen (15) days elect to either:

(1) Assume the Contract; or

(2) Deny liability in whole or in part and notify HART citing reasons therefor.

(f) If the Surety elects to assume the Contract, then it may do so, in consultation with and with HART’s agreement, to:

(1) Arrange for the Contractor to perform and complete the Contract; or

(2) Undertake to perform and complete the Contract itself, through its agents or through independent contractors; or

(3) Obtain bids or negotiated proposals from qualified contractors acceptable to HART for a contract for performance and completion of the Contract, arrange for a contract to be prepared for execution by HART and said contractor (to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Contract) and pay to HART the amount of damages in excess of the balance of the Contract Price incurred by HART resulting from the Contractor’s default; or

(4) Waive its rights under (1), (2) and (3) above, and with reasonable promptness under the circumstances, determine the amount for which it may be liable to HART and, as soon as practicable after the amount is determined, tender payment therefore to HART, the acceptance of which shall not be deemed an acceptance by HART of the Surety’s determination of the total amount due and payable by the Surety; or

(g) Should the Surety and HART agree that the Surety will assume the Contract, all money which may become due the Contractor shall be payable to the Surety as the Work progresses, subject to the terms of the Contract; and

(h) If the Surety does not assume the Contract within fifteen (15) days after receiving HART's notice and demand, HART may then take possession of all Material and Equipment and complete the
Work by use of its own forces, by letting the unfinished Work to another contractor, or by a combination of such methods. In any event, the cost of completing the Work shall be charged against the Contractor and its Surety and may be deducted from any money due or becoming due to the Contractor. If the amount unpaid under the Contract is insufficient for completion, the Contractor or Surety shall pay to HART within a reasonable time not to exceed thirty (30) days after the completion and an itemized demand for payment from HART, all costs and damages incurred by HART in excess of the amount unpaid under the Contract.

(i) The Contractor, in having executed the Contract, shall be deemed to have waived any and all claims for damages because of Termination of Contract for any such reason, except to the extent that any termination has been found to be wrongful.

(j) In the event of a termination under the provisions of this Section, the Contractor shall transfer and assign to HART, in accordance with HART’s instruction, all Work, all subcontracts, all construction records, reports, permits, data and information, other materials (including all HART-supplied materials), supplies, Work in progress and other goods for which the Contractor is entitled to receive reimbursement hereunder, and any and all plans, drawings, sketches, specifications, and information prepared by the Contractor or others in connection with the Work, and shall take such action as may be necessary to secure to HART, at HART’s sole election, the rights of the Contractor under any or all orders and subcontracts made in connection with the Work. All subcontracts and supplier contracts of any tier shall contain language permitting HART to assume that contract in the case of Termination for Default.

(k) In the event that HART so directs or authorizes, the Contractor shall sell at a price approved by HART, or retain with approval of HART at a mutually agreeable price, any such materials, supplies, Work in progress, or other goods as referred to in the preceding paragraph. In any event, HART shall retain any and all records, plans, drawings, data, permits, specifications, sketches, reports or other information relating to the Work.

(l) In the event that a Termination for Default is determined in subsequent proceedings to be improper, then any such termination shall be deemed as a Termination for Convenience.

(m) HART may exercise any and all remedies available at law or in equity, including recovery of damages to the extent provided by law, subject to the limitations set forth herein, and the exercise or beginning of the exercise by HART of any one or more rights or remedies under this Section shall not preclude the simultaneous or later exercise by HART of any or all other rights or remedies, each of which shall be cumulative.

3.10 Termination for Convenience

(a) Termination. The Chief Procurement Officer may, when the interests of HART so require, terminate this Contract in whole or in part, for the convenience of HART. The Chief Procurement Officer shall give written notice of the termination to the Contractor specifying the part of the Contract terminated and when termination becomes effective.

(b) Contractor's Obligations. The Contractor shall incur no further obligations in connection with the terminated work, and on the date set in the notice of termination the Contractor will stop work to the extent specified. The Contractor shall also terminate outstanding orders and subcontracts as they relate to the terminated work. The Contractor shall settle the liabilities and claims arising out of the termination of subcontracts and orders connected with the terminated work subject to HART's approval. The Contracting Officer may direct the Contractor to assign the Contractor's right, title, and interest under terminated orders or subcontracts to HART. The Contractor must still complete the work not terminated by the notice of termination and may incur obligations as necessary to do so.
(c) **Right to Construction and Goods.** The Contracting Officer may require the Contractor to transfer title and deliver to HART in the manner and to the extent directed by the Contracting Officer:

1. Any completed constructions; and
2. The partially completed construction, goods, materials, parts, tools, dies, jigs, fixtures, plans, drawings, information, and contract rights (hereinafter called "construction material") as the Contractor has specifically produced or specially acquired for the performance of the terminated part of this Contract.
3. The Contractor shall protect and preserve property in the possession of the Contractor in which the State, City or HART has an interest.
4. If the Contracting Officer does not exercise the rights set forth in this Section, the Contractor shall use the Contractor's best efforts to sell the construction, goods, and construction materials in accordance with the standards of HRS Section 490:2-706. This in no way implies that HART has breached the contract by exercise of the termination for convenience clause.

(d) **Compensation.**

1. The Contractor may submit a termination claim, but if submitted, shall specify the amounts due because of the termination for convenience together with cost or pricing data, submitted to the extent required by HAR Chapter 3-122, Subchapter 15 or as directed by HART, bearing on such claim. If the Contractor fails to file a termination claim within one year from the effective date of termination, the Chief Procurement Officer may pay the Contractor, if at all, an amount set in accordance with GC Section 3.10 (d)(3)(A).
2. The Contracting Officer and the Contractor may agree to a settlement provided the Contractor has filed a termination claim supported by cost or pricing data submitted as required and that the settlement does not exceed the total Contract price less payments previously made by HART, the proceeds of any sales of construction, goods, and construction materials under GC Section 3.10(c)(4), and the Contract price of the work not terminated.
3. Absent complete agreement under GC Section 3.10(d)(2), the Chief Procurement Officer shall pay the Contractor the following amounts, provided payments under GC Section 3.10(d)(2) shall not duplicate payments under this paragraph, for the total (without duplication of any items) of:

   A. The cost of all Contract work performed prior to the effective date of the notice of termination plus a five percent (5%) markup on actual direct costs on the portion of the work (no anticipatory profit or consequential damages shall be included) less amounts paid or to be paid for completed portions of the Work; provided, however, that if it appears that the Contractor would have sustained a loss if the entire Contract would have been completed, no markup shall be allowed or included and the amount of compensation shall be reduced to reflect the anticipated rate of loss;

   B. Subject to the prior approval of the Chief Procurement Officer, the costs of settling and paying claims arising out of the termination of subcontracts or orders under this Contract shall be entitled to a markup of no more than ten
percent (10%) on direct costs incurred to the date of termination. These costs must not include costs paid in accordance with GC Section 3.10(d)(3)(A);

(C) The total sum to be paid the Contractor under this paragraph shall not exceed the total Contract price reduced by the amount of any sales of construction, goods, and construction materials under GC Section 3.10(c)(4), and the Contract price of work not terminated.

(4) Costs claimed, agreed to, or established under GC Sections 3.10(d)(2) and 3.10(d)(3) shall be in accordance with HAR Chapter 3-123.

END OF CHAPTER
4.1 **Performance and Payment Bonds**

(a) Performance and payment bonds are required under this Contract. For this construction Contract, each bond shall be in an amount equal to one hundred percent (100%) of the amount of the Contract price. The performance and payment bonds shall be delivered by the Contractor to HART before or at the same time the Contract is executed. If the Contractor fails to deliver the required performance and payment bonds, the Contractor's award shall be canceled, the Contractor shall be subject to a claim for all resulting damages, its bid security enforced, and the Contracting Officer may award the Contract to the next ranked offeror in accordance with subchapter 11 of Chapter 122 of HAR. [HAR 3-122-224]

(b) **Acceptable performance and payment bonds.** Acceptable Contract performance and payment bonds shall be limited to:

1. Surety bond in the form attached to the solicitation documents underwritten by a company licensed to issue bonds in this State;
2. Legal tender; or
3. A certificate of deposit; credit union share certificate; or cashier's, treasurer's, teller's, or official check drawn by, or a certified check accepted by a bank, a savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, and payable at sight or unconditionally assigned to HART. These instruments may be utilized only to a maximum of $100,000. If the required security amount totals over $100,000, more than one instrument not exceeding $100,000 each and issued by different financial institutions shall be accepted. [HAR 3-122-222]

(c) **Reimbursement of direct costs only.** The reasonable, direct cost only of performance and payment bonds shall be reimbursed to the Contractor, without markup.

(d) **Bond forms.** The Contractor shall execute the surety performance and payment bond forms provided with award of the Contract. Failure to utilize HART's surety bid bond form shall not relieve the bidder or the Contractor from liability or responsibility if it is discovered that the form utilized is not in compliance with the HAR.

(e) **Contracts with Federal funds.** In addition to the requirements of this Section, whenever a contract is partially or fully funded with Federal funds, the amount of the bonds shall be the amount required by the Federal agency, and the surety companies shall be those listed in the latest issue of the U. S. Treasury Circular 570. In addition, the surety or sureties must be rated “A-, FSC (6),” or higher by A.M. Best Rating Guide.

(f) **Payment claims against the bond.** Every person who has furnished labor or material to the Contractor for the work provided in the Contract for which a payment bond or a performance and payment bond is furnished herein, and who has not been paid amounts due before the expiration of a period of ninety (90) days after the day on which the last of the labor was performed or material was furnished or supplied, for which a claim is made, may institute an action for the amount, or balance thereof, unpaid at the time of the institution of the action against the Contractor or the Contractor and its sureties, on the payment bid and have their rights and claims adjudicated in the action, and judgment rendered thereon, subject to HART's priority on the bond.

(g) From the date of its execution performance and payment bonds shall be renewed as necessary so as to prevent a lapse in coverage.
(h) Increases in Contract amount. If the total Contract amount is increased by a change order, the Contractor agrees to provide HART with such additional Performance and Payment Bonds as required to assure performance of any additional Work and payment for the labor and materials incidental to such Work. The Contractor shall provide the consent of the surety or sureties when the aggregate amount of all change orders to this Contract exceeds ten percent (10%) of the original penal amount of either bond.

4.2 Insurance Requirements

(a) Owner Controlled Insurance Program

   (1) HART has implemented an Owner Controlled Insurance Program (“OCIP”) for the Honolulu Rail Transit Project. As such, all contractor(s) and subcontractor(s) at any tier will be required to participate as further described herein.

   (2) HART will, through the OCIP, procure and maintain at all times during the performance of this Agreement, and for such extension periods for completed operations, at its own expense, Workers’ Compensation and Employer’s Liability, Commercial General Liability, and Umbrella/Excess Liability insurance described in GC Section 4.2 (g), OCIP Insurance Provided by HART, for the benefit of Enrolled Parties (as defined below). Builders Risk coverage will also be procured by HART in addition to the OCIP lines of coverage mentioned above.

(b) Applicability of the OCIP. Participation in the OCIP is mandatory but not automatic. Each Eligible Party and subcontractor of all tiers must follow the enrollment procedures as further detailed in the OCIP Manual.

   (1) The following terms as used herein this Section are defined below:

   “Eligible Party(ies)” includes all Contractors and subcontractors of all tiers providing direct labor at the Project Site, as defined below, for work performed under this Contract at the Project Site. Temporary labor services and leasing companies providing such direct labor are to be treated as Eligible Parties.

   “Enrolled Party(ies)” means any Eligible Party and subcontractor of any tier that follows and completes the enrollment procedures, and becomes enrolled in the OCIP.

   “Excluded Party(ies)” means:

   - Off-site fabricators, vendors, suppliers (who do not perform or subcontract installation), material dealers;
   - Guard services, janitorial services, and other service providers not performing construction activities;
   - Cranes, demolition, blasting;
   - Truckers and haulers (including trucking to the Project where delivery is the only scope of Work to be performed);
   - Asbestos abatement or other hazardous waste removal Contractor(s) and their respective subcontractor(s) of any tier;
   - Architects, engineers, surveyors or other professional services providers; and
Others whose sole function is to transport, pickup, deliver or carry materials, supplies, tools equipment, parts or other items to or from the Project Site, or who do not perform any actual on-site labor.

Any other entity specifically determined by HART to be excluded will not be covered by insurance purchased by HART through the OCIP.

“Project Site,” as used in the context of OCIP, is designated by HART and is on file with the OCIP Insurance Carrier. It encompasses the Minimum Operable Segment (MOS) that extends along an east-west corridor approximately twenty (20) miles long from East Kapolei to Ala Moana Center. It includes operations necessary or incidental to the Work covered by this Contract. The Eligible Parties’ regularly established workplace, plant, factory, office, shop, warehouse, yard or other property, even if such operations are for fabrication of materials to be used at the job site or training of apprentices, shall be considered off-site and are not covered by the OCIP, unless specifically agreed in writing and approved by HART.

(2) The insurance coverage described in GC Section 4.2(g), OCIP Insurance Provided by HART, will not apply to those contractors and subcontractors at any tier who are not Enrolled Parties.

(3) While the OCIP is intended to provide coverage for the Project Site, the OCIP is not intended to meet all of the Enrolled Parties’ insurance needs. The OCIP does not provide coverage for Automobile Liability, Contractor’s Equipment, Contractors Pollution Liability or Performance and Payment Bonds. Enrolled Parties will be responsible for procuring and maintaining, at their own expense throughout the term of this Agreement the insurance coverage described in GC Section 4.2(k), Insurance Required of Enrolled Parties, and will be responsible for requiring that each Enrolled Parties of any tier procure and maintain, at their own expense coverage in accordance with the requirements as outlined in GC Section 4.2(k).

(4) Contractor(s) will be responsible for requiring that a subcontractor of any tier who is not an Enrolled Party, procure and maintain during the term of this Project the insurance coverage required under GC Section 4.2(l), Insurance Requirements of Excluded Parties.

(5) It is recommended that the Enrolled Parties discuss the OCIP with their insurance agent to assure that other proper coverages are maintained.

(c) HART’s Insurance Obligations; Enrolled Party’s Obligations

(1) HART assumes no obligation to provide insurance other than that stated in GC Sections 4.2(g) and 4.2(h), OCIP Insurance Provided by HART and Other OCIP Insurance Provided by HART, respectively. Unless specifically approved by HART in writing, the policies set forth in GC Sections 4.2(g) and 4.2(h) will cover only those operations of the Enrolled Parties performed in connection with the Work at the Project Site.

(2) Each Enrolled Party will review the OCIP coverages, limits of liability and insurance policies to satisfy itself that the coverage offered herein meets its needs and those of its Subcontractor(s) of any tier. Nothing contained herein will be deemed to place any responsibility on HART for ensuring that the insurance provided by the OCIP is sufficient for the conduct of any Enrolled Party’s business or performance of the
Work. HART reserves the right at its option, without obligation to do so, to furnish other insurance coverage of various types and limits provided that such coverage is not less than that specified in the Contract Documents. The furnishing of insurance by HART through the OCIP will in no way relieve or limit or be construed to relieve or limit any Enrolled Party of any responsibility, liability, or obligation imposed by the Contract Documents or by law, including without limitation any indemnification obligations which any Enrolled Party has to HART hereunder.

(3) Any type of insurance coverage or limits of liability not provided by the OCIP which any Enrolled Party desires for its or its own protection will be its sole responsibility and expense and will not be billed to HART. Each Enrolled Party represents and warrants that they have had the opportunity to read and analyze copies of the OCIP policies which are available upon request and understand the contents thereof. Any reference in this Contract, the OCIP Manual or elsewhere in any other Contract Documents as to amount, nature, type or extent of coverage provided under the OCIP and/or potential applicability to any potential claim or loss is for reference only and each Enrolled Party represents and warrants that they have not relied upon said reference but solely upon their own independent review and analysis of the OCIP policies in formulating any understanding and/or belief as to amount, nature, type or extent of any coverage provided by the OCIP policies and/or its potential applicability to any potential claim or loss.

(d) Excluded Parties. Excluded Parties as defined above will not be covered by insurance purchased by HART through the OCIP.

(e) HART’s Election to Discontinue OCIP Coverage; Termination of OCIP

(1) If HART, for any reason, is unable to furnish coverage, elects to discontinue the OCIP, modifies the limits of liability provided in the OCIP, or requests that an Enrolled Party withdraw from the OCIP, then upon thirty (30) days written notice from HART, the Enrolled Party specified by HART in such notice, will obtain at HART’s expense (as approved by HART), and thereafter maintain during the performance of the Work, all (or a portion thereof as specified by HART) of the insurance required to be provided by Excluded Parties and as otherwise required under the Contract Documents, and HART will thereafter no longer be obligated to furnish all or a part of such insurance through the OCIP. The form, content, limits of liability and cost of such insurance and the insurer issuing such insurance secured by the Enrolled Party pursuant to the provisions of this Section will be subject to HART’s approval, which approval will not be unreasonably delayed or withheld.

(2) Enrolled Parties will, in accordance with the terms of the Contract, request reimbursement for the cost of their insurance based on the Insurance Premium Worksheet completed at time of bid, prorated based on the percentage the Contract is complete at time of cancellation of the OCIP.

(3) The OCIP insurance coverage will terminate after Substantial Completion or a temporary or permanent certificate of occupancy is issued, except for the extended completed operations coverage.

(4) Should the coverage be cancelled prior to Final Acceptance by HART of the contract, the Contractor shall procure and maintain coverage as stated in GC Section
4.2(k) Insurance Required of Enrolled Parties, in which case such coverage shall apply to all Work performed under the Contract.

(f) **Limits of Liability**

(1) The furnishing of said insurance by HART will in no way relieve, or limit or be construed to relieve, or limit the Contractor(s) and Subcontractor(s) of any tier of any responsibility or obligation whatsoever otherwise required under this Contract.

(2) The Enrolled Parties and Excluded Parties agree that if said party has any cause of action against HART related to the Project (other than HART’s obligation to pay for the materials and services provided herein), HART’s sole liability will be limited to the coverage provided under the OCIP Insurance and Builders Risk Insurance provided by HART.

(g) **OCIP Insurance Provided By HART.** HART’s representative will provide the Enrolled Party an OCIP Manual, which will include a summary of insurance coverage, loss control procedures and claims procedures as well as enrollment forms and reporting requirement for the OCIP. The Enrolled Party will use and comply with the requirements in said manual.

The OCIP Insurance provided by HART to Enrolled Parties is as follows:

(1) **Workers’ Compensation Insurance.** Statutory Limits of the Workers’ Compensation Laws of the State of Hawaii and Coverage B - Employer’s Liability limits:

   (A) $1,000,000 each accident for Bodily Injury by accident,
   (B) $1,000,000 each employee for Bodily Injury by disease, and
   (C) $1,000,000 policy limit for Bodily Injury by disease

   Covering operations of the Enrolled Party performed on or incidental to Work at the Project Site.

(2) **Commercial General Liability Insurance.** (Excluding Automobile and Professional Liability) in form providing coverage not less than a Commercial General Liability insurance policy, including hazards of explosion, collapse, underground, independent Contractor(s), completed operations for 10 years after “project completion date”, contractual liability coverage and personal injury liability coverage for claims arising out of the Work for personal injury, bodily injury and property damage on an “occurrence” form. Policy or policies of insurance total available limits, to all insureds combined, will not be less than:

   (A) $2,000,000 per occurrence,
   (B) $2,000,000 personal and advertising injury aggregate,
   (C) $4,000,000 general aggregate (reinstating annually),
   (D) $4,000,000 completed operations aggregate term limit.

   Such insurance will not include coverage for products liability for any product(s) manufactured, assembled, or otherwise worked upon away from the Project Site for any Enrolled Party or excluded party performing such off-site work.

(3) **Umbrella/Excess Liability Insurance.** Policy or policies written will intend to follow the terms and conditions of the primary Commercial General Liability policy, except...
as specifically noted within the umbrella/excess liability form, and provide limits of
not less than:

(A)  $200,000,000 general aggregate,
(B)  $200,000,000 products/completed operations aggregate, excess of Commercial
General Liability and Employers Liability stated above, to all insureds
combined, unless written notice is supplied to all Enrolled Parties under this
program.

(4) **Primary And Non-Contributing.** Workers’ Compensation and Employers Liability
insurance is primary and non-contributing with respect to any persons (other than
HART’s employees) covered by such insurance. Commercial General Liability and
Umbrella/Excess insurance is primary insurance and non-contributing with any other
insurance carried by the Enrolled Parties.

(5) **Assignment:** In consideration of HART purchasing OCIP insurance as stated above,
the Enrolled Parties will assign to HART all return premiums, premium refunds,
dividends and other monies due or to become due in connection with the insurance
which HART provides under the OCIP, all of which will inure to the benefit of the
OCIP. The Enrolled Parties will execute such further documentation as may be
required by HART to effect this assignment.

(6) **Waiver Of Subrogation Rights.** Except for the amount of the deductibles as stated
elsewhere in this contract, the Enrolled Parties each on their own behalf and on
behalf of anyone claiming by, through or under them, whether by way of subrogation
or otherwise, hereby waive any and all subrogation rights which they may now or
hereafter have against each other and the parent, related and affiliated companies, the
successors and assigns of each other, in connection with the performance of the
Work to the extent such subrogation rights are not the result of any intentional
wrongful act or omission of the party causing such loss and are covered losses under
the insurance provided hereunder.

(h) **Other OCIP Insurance Provided by HART.** The following insurance coverage will be
provided by HART for the Project, which does not require enrollment for coverage to apply:

1) **“All Risk” Builder's Risk**

(A) Builder’s “all risk” subject to policy terms and conditions shall cover all
property in the course of construction, transit or off-site storage including the
Work, plant hardware, miscellaneous equipment, buildings and structures,
machinery, furnishings and other properties constituting a part of the Project
from physical loss or damage caused by perils covered by a builder’s all risk
policy form insuring the interest of HART and Contractor(s) or
Subcontractor(s) of any tier.

(B) Such insurance shall include but not limited to, coverage against; fire,
lightning, hail, explosion, riot or civil commotion, and collapse.

(C) Coverage shall include all materials, supplies and equipment that are intended
for specific installation in the Project while such materials, supplies and
equipment are located at the Project Site and while temporarily located away
from the Project Site for the purpose of repair, adjustment or storage at one of the Contractor(s) or Subcontractor(s).

(D) Coverage shall be written on a replacement cost basis and the limit of liability shall be the full replacement cost of the Work in progress.

(E) The policy(ies) for such insurance will be secured and maintained by HART. The Contractor(s) and Subcontractor(s) must report the value, time and means/location of any such transit or storage to HART or HART’s designee prior to transit or storage. The Contractor(s) and Subcontractor(s) will be responsible for any loss that is uninsured or underinsured arising out of such failure to notify HART or HART’s designee.

(F) This insurance will not include any tools or clothing of workers or any tools, equipment, protective fencing, scaffolding, and equipment owned, rented, leased or used by the Contractor(s) and Subcontractor(s) in the performance of the Work, not intended for specific installation into the Project.

(G) HART will not be liable or responsible for any loss or damage whatsoever to the excluded items and the Contractor(s) and Subcontractor(s) will indemnify and hold harmless HART, from any claims or causes of action brought by any person or parties as a result of loss or damage to such excluded items.

(H) The Contractor(s) and Subcontractor(s) waive all rights against each other for loss or damage to any equipment used in connection with the Project and covered by any property insurance. The Contractor(s) and Subcontractor(s) will require similar waivers from their Subcontractor(s).

(I) The Builder's Risk policy will be endorsed (a) waiving the carrier's rights of recovery under subrogation against the Contractor(s) and Subcontractor(s) whose interest is insured under such policy, (b) each policy will contain a provision that the policy will not be cancelled or allowed to expire until at least thirty (30) days’ prior written notice has been given to the Contractor(s) and Subcontractor(s), and (c) policy will be primary and non-contributory.

(J) Any loss insured as outlined above is to be adjusted with HART and made payable to HART as trustee for the insured’s, as their interests may appear, subject to the requirements of any applicable mortgagee clause. The Contractor(s) and Subcontractor(s) will pay such Subcontractor(s) an applicable share of any insurance monies received by the Enrolled Parties and by appropriate agreement, written where legally required for validity, will require Subcontractor(s) to make payments to their sub-subcontractor(s) in similar manner.

(K) Contractor(s) and Subcontractor(s) will not make a claim against the Builders Risk policy without written notice to HART as the primary holder of the policy.

(i) Deductible Chargeback. Notwithstanding the actual policy deductible, each Contractor or Subcontractor or any tier involved in a covered loss will be responsible for up to the first $25,000 of that loss, to the extent losses payable are attributable to its acts or omissions, or the acts or omissions of its Subcontractor(s) of any tier, as determined by HART. The deductible applying to Contractor(s) and Subcontractor(s) is the responsibility of the Contractor(s) and Subcontractor(s) and may be withheld from
progress payments if not reimbursed. HART is responsible for any and all remaining amounts up to the policy deductible.

(j) **Enrolled Parties Responsibilities**

(1) **Contract Insurance Cost.** Failure of Enrolled Parties to enforce the enrollment of all subcontractor(s) of any tier does not relieve the Enrolled Parties of the financial responsibility for their insurance deductions. HART maintains the right to pursue insurance deductions for all Subcontractors of any tier through the first tier Contractor(s).

(A) Contractors bid price for the Work shall be net of insurance, excluding all costs for Workers’ Compensation, General Liability, and Umbrella/Excess as described in GC Section 4.2 (k), Insurance Required of Enrolled Parties. However, each Enrolled Party is required to clearly identify in its escrow documents the total cost of Workers’ Compensation, Commercial General Liability and Umbrella/Excess Liability insurance that has been excluded from its base bid price for the proposed scope of Work, as if they were required to provide the coverage and limits of liability for onsite Work.

(B) The Enrolled Parties will complete and submit in its escrow documents the Insurance Premium Worksheet, identifying their insurance costs, regardless of the risk financing technique employed for Workers’ Compensation and General/Excess Liability exposures, including but not limited to insurance premiums, expected losses within any retention or deductible amount, loss handling expenses and administrative expenses. The Enrolled Parties warrant by submission of its bid that all insurance premium calculations have been correctly identified and removed from their bid price.

(C) If the insured party carries a deductible under any of its policies, then the following shall also be included in the Enrolled Parties escrow documents:

(i) Copies of the rating pages from the deductible agreement, or

(ii) Three (3) years of loss history for all entities that retains losses. Paid, outstanding and total incurred losses must be evidenced by policy period, and

(iii) Three (3) years of payroll history for all entities

(D) If Contractor(s) will be subcontracting out Work and has not yet identified all of its Subcontractor(s) or does not have the insurance cost for its Subcontractor(s), the Contractor(s) should include 2.75% of the subcontracted value on its Insurance Premium Worksheet, to account for its Subcontractor’s excluded insurance costs.

(E) All contract awards and subsequent changes orders will be submitted and processed net of insurance and labor rates will be reduced to reflect the insurance reduction.

(F) Upon completion of Work, or on policy expiration, or processing of subsequent changes orders HART’s insurance carriers have the right to audit payroll records and the Enrolled Parties escrow documents.
(G) Costs for overlapping insurance coverage maintained by the Enrolled Parties will not be reimbursable. No OCIP Insurance costs, as provided by HART will be attributable to the Work. All changes orders will be submitted net of insurance and labor rates will be reduced to reflect the insurance reduction.

(H) If any Enrolled Party does not provide the OCIP administrator with information sufficient to allow verification of the applicable insurance cost, then the OCIP administrator may independently calculate an appropriate insurance cost on based on undiscounted or “manual” rates in which case the manual rates shall apply.

(I) Conflicts: The provisions of the Agreement will govern in the event of a conflict between the Agreement and the OCIP Manual.

(J) Warranty Statement: The Enrolled Parties will provide and warrant the accuracy of the information provided on the Insurance Premium Worksheet and Enrollment Package, including the supporting documents (copies of the policy declaration page and policy rate pages or Deductible Agreement pages if on a large deductible program or a letter from your insurance carrier evidencing the deductible rate and loss content rate) and/or any change order forms and agrees that HART, OCIP administrator and/or the OCIP insurance companies may, but are not required to audit the Contractor(s) and/or Subcontractors records to confirm the accuracy for any and all allowable insurance credits including the changes to the Contract. The Enrolled Parties agree and warrant that HART is entitled to and may collect additional insurance costs as may be developed as a result of said audits and/or changes/change orders as may be agreed to in connection with the Work. The Enrolled Parties agree to provide insurance records, policies, declaration pages of policies, certificates of self-insurance and such other documents as may be requested in order to assure the accuracy of insurance data.

(K) Application For Insurance: The Enrolled Parties shall submit a completed Enrollment Application within fifteen (15) days after contract award for contracts awarded after the OCIP has been initiated by HART. Enrolled Parties under Contract with HART prior to initiation of the OCIP shall submit a completed Enrollment Application within fifteen (15) days after receipt of the Enrollment Application from the OCIP Administrator. In addition, the Enrolled Parties will cooperate with the OCIP administrator regarding such application. An OCIP Manual will be distributed to the Enrolled Parties in connection with this Contract. This manual describes the procedures to be followed by the Enrolled Parties for enrolling in and complying with the OCIP, and is hereby included as part to of this Contract by reference. The Enrolled Parties will complete the Enrollment Application and other such forms contained in the Enrollment Package as are applicable to your Agreement, as well as complete the monthly payroll reporting form and follow the procedures as outlined in the OCIP Manual. The Enrolled Parties will include these insurance specifications in its Contract for Subcontractor(s) of any tier providing Work at the Project Site and will ensure that such Subcontractor(s) of any tier receive the OCIP Manual, enroll in the OCIP, and comply with the OCIP procedures.
(L) **Cooperation:** The Enrolled Parties will:

(i) Furnish to HART, its insurance representatives or the insurance company all information and documentation which the OCIP may require in connection with the issuance of any policies, in such form and substance as HART or its designee may require.

(ii) Furnish to HART, its insurance representative or the insurance company, on-site payroll reports on the form as required and described in the OCIP Manual by the 15th of the following month for the prior month (including months with no payroll).

(iii) Permit HART, its insurance representative and/or the insurance company to access and audit Enrolled Parties escrow documents and audit the Enrolled Parties books and records and provide documentation as may be required to assure accuracy of those payroll reports. The Enrolled Parties agree that their failure to submit documents as required may result in withholding progress payments until said payroll reports are received by HART or its designee.

(iv) Promptly comply with the requirements, obligations and recommendations of HART, its insurance representative or insurance company so that the OCIP may be properly administered and so that the insurance companies will continue to provide the coverage as specified in this the document under the OCIP. If the Enrolled Parties should fail to comply with any requirement, obligation or recommendation, HART may withhold any payments due the Enrolled Parties until such time as they will have performed the requirements, obligations and recommendations as required by this contract.

(v) The Enrolled Parties will provide HART and HART’s representative with all information necessary for the issuance of said policies and will maintain and make available to the insurance companies payroll records and such other records relating to the Work as may be necessary for the proper computation of the insurance premiums.

(vi) The Enrolled Parties will cooperate with HART with regard to administration and operation of the OCIP. The Enrolled Parties’ responsibilities will include but are not limited to: operations and insurance information; inclusion of OCIP provisions in all subcontracts; notification to HART’s representative of all subcontracts awarded; maintenance and provision of monthly payroll records and other records as necessary for premium computation; OCIP Notice of Work Completion form completed as part of the punch-list process; compliance with applicable loss control (safety) and claims reporting procedures; maintenance of an HIOSH or OSHA Log to be provided monthly to HART and/or HART’s Representative.

(vii) Milestone/Progress payments will be withheld for failure of the Contractor(s) to comply with the OCIP requirements as defined herein and enforce Subcontractor(s) compliance.
(k) **Insurance Required of Enrolled Parties.** The OCIP provided coverage is for Work at the Project Site only. For Work performed away from the Project Site not covered by OCIP because of the Work location and for coverage not otherwise provided by the OCIP the Enrolled Parties will provide and maintain the types of insurance described below with a company or companies legally authorized to transact insurance business in the state of Hawaii and be rated at least A- VIII in the current A.M. Best ratings or must be otherwise acceptable to HART. The Enrolled Parties will maintain the specified insurance coverage until all obligations under this Contract are satisfied.

1. **Workers' Compensation and Employer's Liability:** The Enrolled Parties will maintain Statutory Workers' Compensation insurance to cover obligations imposed by federal and state statutes having jurisdiction over its employees while engaged in the performance of the Work at locations other than those covered under the OCIP. This insurance will also cover any Enrolled Parties’ employees working away from the Project Site, employees not otherwise covered under OCIP, employees coming on the Project Site after the Project have been accepted by HART as complete, and Subcontractors’ employees after Subcontractors have finally performed its contract.

   Workers’ Compensation coverage will comply with the statutory limits of the State of Hawaii, and will provide for Employers Liability insurance with limits as follows:

   (A) $1,000,000 bodily injury by accident for each person;
   (B) $1,000,000 bodily injury by disease for each person; and
   (C) $1,000,000 bodily injury by disease–policy limit.

2. **Commercial General Liability:** Insurance for premises and operations away from the Project Site or not otherwise covered by OCIP of the Enrolled Parties (including products liability for any product manufactured, assembled or otherwise Worked upon away from the Project Site) in a form providing coverage not less than that of Commercial General Liability insurance policy ("Occurrence Form") for operations of the party required to furnish same, including hazards of elevators, independent Contractors, products and completed operations, with contractual liability and personal advertising injury liability coverage for claims arising out of the Work hereunder for personal injury, bodily injury and property damage in policy or policies of insurance such that the total available limits combined will not be less than:

   As respects Contractors and Subcontractors of any tier per $1,000,000 occurrence, $2,000,000 personal and advertising injury aggregate, $2,000,000 general aggregate limit and $2,000,000 aggregate products and completed operations.

3. **Commercial Automobile Liability:** Covering all owned, hired, borrowed, leased, or non-owned automobiles. Such insurance will provide coverage not less than that of the Commercial Automobile Liability policy in limits not less than:

   (A) Contractors and all Subcontractor(s) of any tier, $1,000,000 Combined Single Limit each occurrence for Bodily Injury and Property Damage.

4. **Umbrella/Excess Liability:** Umbrella/Excess liability insurance, insuring against bodily injury, personal and advertising injury, and property damage, and all other coverage as specified above; (Employers' Liability, Commercial General Liability and Commercial Automobile Liability). The limits of liability are as follows:
(A) Contractor(s), $10,000,000 each occurrence, $10,000,000 annual aggregate limit and $10,000,000 products and completed operations aggregate.

(B) As respects Subcontractors of any tier, $5,000,000 each occurrence, $5,000,000 annual aggregate limit and $5,000,000 products and completed operations aggregate.

(5) Contractor's Equipment: The Enrolled Parties are responsible for their construction tools and equipment, included but not limited to construction trailers and their contents, temporary scaffolding, whether owned, leased, rented, borrowed or used at the Project Site; and the Enrolled Parties agree that HART will not be responsible for any loss or damage to its tools and equipment. If insured, the Enrolled Parties’ insurance policy covering tools and equipment will include a waiver of subrogation in favor of HART and all Enrolled Parties. If uninsured, the Enrolled Parties will hold harmless HART and all other Enrolled Parties for loss or damage to their tools and equipment.

(6) Contractor’s Pollution Liability. Coverage will apply to claims as a result of Bodily Injury, Property Damage, Clean-up Costs, or Mold caused by Pollution Conditions resulting from Covered Operations that are performed by or on the behalf of the Contractor at the Project site. Coverage shall also include transportation, disposal site coverage and 10 years of completed operations. Mold coverage is included.

(A) Coverage Limits:
   (i) $5,000,000 Each Occurrence
   (ii) $5,000,000 General Aggregate

(7) In Exhibit F - Premium Worksheet, the Contractor shall provide a separate pricing for Contractors Pollution Liability. If the Contractor or Subcontractors can satisfactorily demonstrate to HART that its Work does not require Contractors Pollution Liability or that the limits should be reduced, HART will allow a deductive change order based on the separate pricing provided by the Contractor and its subcontractors on their Premium Worksheets. Otherwise, the Contractor and its subcontractors at any tier shall be required to carry this coverage.

(l) Insurance Requirements of Excluded Parties. Excluded parties as defined, performing Work will obtain and maintain, and will require each of its excluded Subcontractors to obtain and maintain, the insurance coverage specified in GC Section 4.2 (k), Insurance Required of Enrolled Parties. Such insurance will be primary and non-contributing with any other insurance and be in a form and from insurance companies reasonably acceptable to HART. The insurance limits may be provided through a combination of primary and excess policies, including the umbrella form of policy. HART reserves the right to require higher limits of liability or other insurance coverage as appropriate.

(m) Provisions Applying to Insurance Requirements of Enrolled and Excluded Parties

(1) Additional Insured’s: Each policy required (except Worker's Compensation) will name as additional insured HART and their Board of Directors, officers, employees, representative, consultants, agents, Construction Manager, and Construction Manager’s subcontractors, the City and County of Honolulu, the State of Hawaii, the General Contractor, their respective parent companies, their subsidiaries, related and affiliated companies of each and the officers, directors, agents, employees and
assigns of each. General Liability coverage maintained by contractors and sub-contractors shall contain Additional Insured endorsement CG 2010 and CG 2037 or equivalent. Completed Operations coverage shall be maintained for a minimum of ten years after contract expiration or project completion, whichever occurs later.

(2) Waiver Of Subrogation: The Enrolled Parities and their respective insurers providing the required coverage as indicated in Workers’ Compensation and Commercial General Liability, Umbrella/Excess Liability or any required coverages, will waive all rights of recovery against HART and HART’s agents, officials, and employees.

(3) Each Enrolled Party will pay all insurance premiums for such insurance, including any charges for required waivers of subrogation or the endorsement of additional insured’s.

(4) Primary And Non-Contributing: Insurance coverage for Work AWAY FROM THE PROJECT SITE, or as otherwise noted, required of the Enrolled Parties is primary and non-contributory.

(5) Certificates of Insurance: The Enrolled Parties and excluded parties will provide certificates of insurance to HART as evidence that policies specified in this Section providing the required coverage, conditions, and limits are in full force and effect. Certificates of insurance will be labeled and addressed as follows:

Identify Contract by HART Contract Number
Honolulu Authority for Rapid Transportation
Attention: Procurement Department
1099 Alakea Street Suite 1700
Honolulu, HI 96813

(6) Notice of Cancellation: All insurance policies will include a requirement providing for at least thirty (30) days prior written notice to HART of any cancellation or reduction of coverage. If any such notice is given, HART will have the right to require that a substitute policy be obtained prior to said cancellation with appropriate evidence thereof at the discretion of HART. The Enrolled Parties and excluded parties will immediately notify HART and will cease operations on the occurrence of any such cancellation or reduction and will not resume operations until the required insurance is in force and new certificates of insurance have been filed with HART.

END OF CHAPTER
CHAPTER 5 – PAYMENT; FORCE ACCOUNT

5.1 Payment

(a) Payment to the Contractor under this Contract shall not exceed the Total Contract Amount as set forth in the Agreement. The Total Contract Amount shall be inclusive payment for all Work, including materials, equipment, labor and all other incidental work required for the complete construction and installation of the Work, all in accordance with the Contract. The Contractor’s application for payment shall not exceed the Priced Item set forth in the Periodic Payment Schedule as further described in Section 7.6, Construction Progress Documentation, for completed Work and, as such, shall only be for Work performed in accordance with the specifications, terms, and conditions of the Contract and for which there is sufficient and/or required documentation.

(1) The Total Contract Amount shall be paid the Contractor as full compensation for the satisfactory performance of Work in accordance with the Contract Documents. If an error, omission or misstatement shall be discovered in the quantities or measurements stated in the Contract, the same shall not vitiate the Contract, or release the Contractor or the surety or sureties from performing the Contract, or affect the price agreed to under the Contract, or excuse the Contractor from any of the obligations or liabilities under the Contract, or entitle the Contractor to damages or compensation, except as provided herein.

(b) The Contractor may not make an application or request for payment more than once a month.

(c) Requests for payment must be complete and accurate before HART is obligated to make any payment under this Contract and shall include all submittals as required under the Contract, including the following documents:

(1) An itemization of the amounts requested, related to the various elements of Work required by the Contract covered by the payment requested;

(2) A copy of the most current HART-approved Project Schedule, schedule updates, and Schedule of Values;

(3) A certification by the Contractor that all Work and materials for which the Contractor is requesting payment has been incorporated into the Project and that this request for periodic payment does not include any amounts which the Contractor intends to withhold or retain from a subcontractor or supplier in accordance with the terms and conditions of the subcontract.

(4) A release of all liens and claims from the Contractor relative to the Work, which is the subject of the pay application;

(5) All required submittals; and

(6) If applicable, the Monthly Report on Contractor’s Participation in Approved Apprenticeship Program Under Act 17 (Form 2).

(d) In the event the Contractor’s request for payment is returned as incomplete or inaccurate, the Contractor shall remedy the deficiency and re-submit a revised request for payment. HART’s obligation to pay on the payment request shall only commence upon HART’s receipt of a complete and accurate request for payment. The Contractor shall not include the days lapsed due to the rejection of its incomplete or inaccurate payment request as a part of its calculations for late payment. Interest for late payment.
payment shall only accrue upon and subsequent to HART’s receipt of a complete and accurate payment request.

(e) HART shall deduct from periodic payments to the Contract for:

1. Any incomplete Work;
2. Any Work that does not meet specifications, terms and conditions of the Contract;
3. Unprotected Work; and
4. Any contingencies for remedy of defects or damage to the Work or for the necessity of performing any part of the Work over again to cure defects or damage.

(f) HART may at any time withhold payment, in whole or in part, if the Contactor fails to progress with the Work in accordance with Project Schedule and to such extent to protect itself from:

1. Liquidated damages and costs incurred by HART for extended construction administration;
2. Failure of the Contractor to provide any and all documents required to be provided by HART by the Contract Documents;
3. For reasons stated in GC Section 5.8, Authority to Withhold Money Due or Payable;
4. Overpayment made by HART.

(g) Refund of unearned amounts. If the Contractor, after making a request for periodic payments, discovers that a portion or all of such request constitutes a payment for performance by the Contractor that fails to conform to the specifications, terms, and conditions of this Contract (“unearned amount”), the Contractor shall notify HART of such performance deficiency and the unearned amount shall be deducted from subsequent request for payment to the Contractor until the deficiency has been cured.

(h) Retention.

1. HART will withhold from the Contactor, as retainage, five percent (5%) of the total amount due the Contractor during the first fifty percent (50%) completion of the Contract. Upon 50% completion, the Contractor shall demonstrate to HART’s satisfaction that the first fifty percent (50%) of the Contract has been satisfactorily completed and, thus, no additional sum should be withheld, as retainage, for the remainder of the Contract. However, if the demonstration shows that the first fifty percent (50%) of the Contract was not satisfactorily completed, the Contracting Officer shall continue to withhold, as retainage, five percent (5%) of the total amount due the Contractor for the remainder of the Contract. Any and all retainage shall not be released until final acceptance of the Project.

2. The retainage shall not include sums deducted as liquidated damages from moneys due or that may become due the Contractor under the Contract.

3. The Contractor shall include in its subcontracts provisions that permit:

   A. The Contractor or subcontractor to retain, without cause, a specified percentage of no more than ten percent (10%) of each progress payment otherwise due to a subcontractor for satisfactory performance under the subcontract (subject to subparagraph (5) below), without incurring any obligation to pay a late
payment interest penalty, in accordance with the terms and conditions agreed to by the parties to the subcontract; and

(B) The Contractor and subcontractor to make a determination that part of all of the subcontractor’s payment request may be withheld by the Contracting Officer in accordance with the subcontract agreement (subject to subparagraph (5) below), without incurring any obligation to pay interest or a late payment penalty if a written notice of any withholding is issued to a subcontractor, with a copy to the Contracting Officer, specifying the following:

(i) The amount to be withheld;
(ii) The specific causes for the withholding under the terms of the subcontract; and
(iii) The remedial actions to be taken by the subcontractor to receive payment of the amounts withheld.

(4) The Contractor may not request payment from the Contracting Officer of any amount withheld or retained in accordance with subparagraph (3) above until such time as the Contractor has determined and certified to the Contracting Officer that the subcontractor is entitled to payment of such amount.

(5) Where a subcontractor has provided evidence to the Contractor of a valid performance and payment bonds executed by a surety company authorized to do business in the State of Hawaii, any other bond acceptable to the Contractor, or any other form of collateral acceptable to the Contractor, the retention amount withheld by the Contractor from its subcontractor shall not be more than the same percentage of retainage as that of the Contractor.

(6) Any retainage provided for in this Section or requested to be withheld by the Contractor shall be held by HART.

(7) A dispute between the Contractor and a subcontractor of any tier shall not constitute a dispute to which HART is a party, and there is no right of action against HART. HART may not be interpleaded in any judicial or administrative proceeding involving such a dispute.

(i) Any utility-owner fees or charges shall be a cost-reimbursement only and no mark-up of any kind will be allowed.

5.2 Payment for Delivered Materials or Equipment

No payment for any material or equipment that is affixed, movable or removable, delivered to the site of the Work under the Contract will be made until said material or equipment is incorporated into the parts of the Project required to be constructed under the Contract. Payment for the delivered material or equipment shall be included in the monthly progress payment under the appropriate cost item.

5.3 Payment for Change Orders

Properly signed change orders shall be paid for in the manner established in the change order. The total price adjustment as specified in the change order shall be considered full compensation for all materials, labor, insurance, bonds, fee, taxes, equipment use or rental, profit and all overhead, and any delay impact costs.
5.4 Final Payment

(a) Final Payment. After final acceptance by the Officer-in-Charge, the Contractor will be paid the balance due in accordance with the Officer-in-Charge's final estimate of the construction actually performed and approved by the Contractor, provided that final payment will be made only with the approval of the Chief Procurement Officer and upon submittal of the following to HART:

1. Written consent of the surety or sureties on the Contractor's bonds;
2. Release of all claims against HART arising by virtue of this Contract, other than claims, in stated amounts, that the Contractor has specifically accepted from the operation of the release. The Contractor may attach Exhibit K (Acknowledgment of Outstanding Claims; see also Section 7.32, Closeout Procedures.). A release may also be required of the assignee if the Contractor’s claim to amounts payable under this Contract has been assigned.
3. Evidence of continuing insurance as required.
4. Tax clearance certificate from the director of taxation from the HART and the Internal Revenue Service, not over two months old, with original green certified copy stamp.

(b) Failure to Comply. If the Contractor delays or fails to comply with the requirements of this Section, the Chief Procurement Officer, upon recommendation of the Officer-in-Charge and without further obligation to the Contractor, may take any or all of the following actions:

1. Upon notice from the State Department of Taxation or Internal Revenue Service, assign payment to the appropriate tax agency.
2. Unilaterally, use the final payment estimate of the Officer-in-Charge as the final payment to the Contractor.
3. Determine the Contractor to be nonresponsible which may jeopardize the Contractor's future status as a qualified offeror.

(c) Upon final payment to the Contractor, full payment to all subcontractors shall be made. The Contractor shall be in compliance with HRS Section 103-10.5, Prompt payment, for final payment to its subcontractors.

5.5 Prompt Payment by Contractors to Subcontractors

(a) Generally. Any money paid to the Contractor shall be disbursed to subcontractors within ten (10) days after receipt of the money in accordance with the terms of the subcontract; provided that the subcontractor has met all the terms and conditions of the subcontract and there are no bona fide disputes on which the procurement agency has withheld payment.

(b) Final payment. Upon final payment to the Contractor, full payment to the subcontractor, including retainage, shall be made within ten (10) days after receipt of the money; provided that there are no bona fide disputes over the subcontractor's performance under the subcontract.

(c) Penalty. The Contractor or HART, as applicable, will be subject to a penalty of one and one-half percent (1 ½ %) per month upon outstanding amounts due that were not timely paid by the responsible party under the conditions set forth in HAR Section 3-125-23.

(d) A properly documented final payment request from a subcontractor shall include:

1. Substantiation of the amounts requested;
(2) A certification by the subcontractor, to the best of the subcontractor's knowledge and belief, that:

(A) The amounts requested are only for performance in accordance with the specifications, terms, and conditions of the subcontract;

(B) The subcontractor has made payments due to its subcontractors and suppliers from previous payments received under the subcontract and will make timely payments from the proceeds of the payment covered by the certification, in accordance with their subcontract agreements and the requirements of this Section; and

(C) The payment request does not include any amounts that the subcontractor intends to or retain from a subcontractor or supplier in accordance with the terms and conditions of their subcontract; and

(3) The submission of documentation confirming that all other terms and conditions required under the subcontract agreement have been fully satisfied.

HART shall return any final payment request that is defective to the Contractor within seven (7) days after receipt, with a statement identifying the defect.

(e) This Section shall not be construed to impair the right of a contractor or a subcontractor at any tier to negotiate and to include in their respective subcontracts provisions that provide for additional terms and conditions that are requested to be met before the subcontractor shall be entitled to receive final payment; provided that any such payments withheld shall he withheld by HART:

(f) The Contractor shall maintain records and documents of payments to subcontractors for three (3) years following the final inspection and acceptance of the Work. These records must be available for inspection upon request by any authorized representative of HART and the U.S. Department of Transportation. This requirement extends to all subcontractors of any tier.

5.6 Bond Release

The Contractor's bond, if required, will not be released by final acceptance and payment by HART unless all claims for materials, supplies, tools, labor and other just claims against the Contractor or any subcontractor in connection with this Contract are paid or released, or so much of the monies due or to become due the Contractor under the Contract as shall be considered necessary by the Contracting Officer may be retained by HART. Should any suit or claim be filed against the Contractor, HART may, upon consultation with its Corporation Counsel, retain from any monies due to the Contractor such amount or amounts as may be deemed necessary by HART until such suits or claims have been finally settled and determined and upon satisfactory evidence of such settlement of such suits or claims the money retained shall be paid to the Contractor.

5.7 Payment Does Not Imply Acceptance of Work

The granting of any payment by HART, or the receipt thereof by the Contractor, shall in no way imply acceptance of work. The unsatisfactory character of such work, equipment, components or workmanship that does not conform to the requirements of this Agreement may be rejected by HART and in such case must be replaced by the Contractor without delay.

5.8 Authority to Withhold Money Due or Payable

HART GENERAL CONDITIONS of CONSTRUCTION CONTRACTS (12/2014)
Chapter 5 - Payment; Force Account
(a) HART may withhold such amounts from the money due or to become payable under the Contract to the Contractor or any assignee (pursuant to the Contractor’s assignment of money), as may be necessary to:

1. Protect HART from any liability resulting from the Work performed under the Contract;
2. Satisfy any obligation of the Contractor to HART, the City, State Department of Taxation, Internal Revenue Service, or any other obligations required by law;
3. Satisfy the obligation of the Contractor to the workers, subcontractors, and suppliers who have performed labor or furnished material and equipment under the Contract as the Chief Procurement Officer deems necessary, but only with the concurrence of or instructions from the Contractor’s surety; or
4. Repair, restore, or compensate for any real or personal property located within the Project site or in the vicinity thereof, which was damaged as a result of the fault or negligence of the Contractor while performing the Work under this Contract.

(b) HART may make such payments from such amounts withheld for reason specified in subsection (a) hereinabove; provided that, before making any payment for damages to property described in subsection (a)(4), HART will request the Contractor in writing to undertake the repair or restoration of the damaged property or make compensation therefore. If the Contractor fails or refuses to make such repair, restoration, or compensation to the satisfaction of HART within seven (7) days after notification by HART, the Chief Procurement Officer upon recommendation of the Officer-in-Charge and upon the Chief Procurement Officer’s own findings that such recommendation is justified, may make the necessary payments.

5.9 Force Account

When performing work on a force account basis, the Contractor and its subcontractors shall comply with the provisions of this Section.

(a) Allowable Costs. In force account, cost shall be the sum of the costs of the following:

1. Labor. The Contractor shall receive the current wage rate including fringe benefits for actual work engaged by the hourly worker and supervisor in charge of the specific force account work. Fringe benefits are required amounts established by the State Department of Labor and Industrial Relations, any collective bargaining agreement and other employment contract generally applicable to the classes of labor employed. The Contractor shall submit the fringe benefits for each class in writing to the Officer-in-Charge for acceptance before the force account work begins. The wages for labor shall not exceed the rate of wages paid for similar labor performed under the Contract, as evidenced by the record of the Contractor's payroll on file with the Officer-in-Charge.

Direct labor costs for labor, such as a foreman not physically performing Work on the site and other costs of superintendence, shall be considered as paid within overhead and profit.

For overtime work, payment for non-exempt employees will be for one and a half times the hourly wage rate plus the actual hours of overtime for fringe benefits and/or as required by any collective bargaining agreement.
(2) **Materials.** The Contractor will receive the actual cost of materials accepted by the Officer-in-Charge and entered permanently into the work under the Contract including transportation charges as shown by the invoices submitted to the Officer-in-Charge.

For stock materials, used and incorporated into the work, the Contractor shall receive the actual cost as certified by the Contractor to the cost paid by the Contractor. The Officer-in-Charge will include transportation charges and taxes paid by the Contractor.

(3) **Machinery and equipment,** other than small tools and minor equipment, which may be necessary or desirable to perform the work. The Officer-in-Charge may reject any machinery or equipment which the Officer-in-Charge deems unnecessary, inefficient or inadequate for the work to be performed. The term "small tools and minor equipment" shall include individual equipment or tools having a replacement value five hundred dollars or less, whether or not they are consumed in the use thereof.

(A) The rate shall be the per-hour rental rate based on the monthly rate established for said machinery or equipment in the then-current edition of the Rental Blue Book for Construction Equipment including the estimated operating cost per hour, and regional correction provided therein.

The hourly rate will be determined by dividing the monthly rate by one hundred and seventy-six. The rate includes the estimated operating cost per hour and the regional correction factor.

If no rate is listed for a particular kind, type or size of machinery or equipment, then the monthly, hourly rate shall be as agreed upon in writing by the Contractor and the Officer-in-Charge prior to the use of said machinery or equipment. The Contractor shall provide proof of the rental rates charged.

(B) For trucks not owned by the Contractor, rental rates as those established under the Hawaii State Public Utilities Commission will be used to determine the cost and will be paid for as a material item under GC Section 5.9(a)(3).

(C) For Contractor-owned trucks not listed in the Rental Rate Blue Book, the rates shall be as agreed upon in writing by the Contractor and the Officer-in-Charge prior to the use of said trucks.

(D) Rental rates which are higher than those specified in the Rental Rate Blue Book may be allowed where such higher rate can be justified by job conditions such as work in water, on lava, etc. Request for higher rate shall be submitted in writing to the Officer-in-Charge for approval prior to the use of the machinery or equipment in question.

(E) All rental rates for machinery and equipment shall include the cost of fuel, oil, lubricants, supplies, small tools, necessary attachments, repairs, maintenance, tire wear, depreciation, storage, and all other incidentals.

(F) **Transportation and/or Mobilization**

(i) The location from which the equipment is to be moved or transported shall be approved by the Officer-in-Charge.
(ii) Payment will be made for mobilizing and transporting the equipment or machinery to the force account work site, including loading and unloading, and back to its original location or other site, whichever cost is less. The cost of transportation shall not exceed the rates established by the Hawaii State Public Utilities Commission. If rates are nonexistent, then the rates will be determined by the Officer-in-Charge based upon the prevailing rates charged by established haulers within the locale.

(iii) Payment for self-propelled equipment or machinery will be for the cost of moving the equipment by its own power to the force account work site and back to the original location or other site, whichever cost is less.

(iv) When transporting equipment or machinery by other than its own power, payment shall be made for the transporter, if owned by the Contractor, at the hourly rate including the estimated operational rate and the applicable regional correction factor. Payment for the transporter, if not owned by the Contractor, shall be by invoice cost and paid for as a material item. Payment for the equipment or machinery shall be at the rate of "idle time" under GC Section 5.9(a)(3)(G)(i).

(v) Payment for mobilization and transportation will not be made if the equipment or machinery is used on the work in any other way than upon extra work paid for under force account.

(G) Rental Period

(i) Idle Time. Idle time herein means the period in which the machinery or equipment designated for the specific force account work is not in use for the work. The time period shall be for a working day (eight (8) hours). Payment shall be fifty percent (50%) of the hourly rate excluding the estimated operational cost per hour per working day.

(ii) Standby Time. Standby time herein means the period in which the machinery or equipment are standing by for the specific force account work day. A work day shall not exceed eight (8) hours (standby time plus the operating time) unless the Officer-in-Charge authorizes the overtime. Payment shall be at the hourly rate including the estimated operational cost per hour per working day.

(iii) The rental period shall begin at the time equipment reaches the site of work, shall include each day that the machinery or equipment is at the site of the work and shall terminate at the end of the day on which the Officer-in-Charge directs the discontinuance of the use of the machinery or equipment.

(iv) Less than thirty (30) minutes of operation will be considered a half hour of operation.

(v) Rental time will not be allowed or credited for any day on which machinery or equipment is inoperative due to its breakdown. On such days, the Contractor will be paid only for the actual hours that the machinery or equipment was in operation.
(vi) When force account work is completed within less than eight (8) hours, payment shall be for actual time worked.

(vii) For the purpose of determining the rental period, the continuous and consecutive days shall be the normal 8-hour shift work day, Monday through Friday excluding Saturday, Sunday, and legal holidays. Any work day to be paid less than 8 hours shall not be considered as continuous, except for equipment removed from rental for fuel and lubrication.

(viii) Overtime shall be paid for each hour in excess of the normal 8-hour shift work day at the corresponding hourly rate for daily, weekly, and monthly rates.

(4) **Overhead and Profit:** The percentages set forth in GC Section 3.3 (c) shall be applied to the totals calculated above in GC Section 5.9 (a) (1) through (3) and shall cover field office overhead, home office overhead, and profit including but not limited to project management, supervision, engineering, estimating, clerical support, trailer rental, waste disposal, postage, telephone, printing, utilities, small tools, storage sheds, and supervisors' and foreworkers' vehicles.

To the totals computed above, an amount not to exceed one percent (1%) will be added for increased bond costs upon the Contractor showing that it has incurred additional costs for bonding.

(5) Payment for the above shall be deemed payment in full for work done under force account including superintendence, overhead, use of tools, machinery and equipment for which no rental is allowed, profit, taxes, subcontracting and other costs in connection therewith which are not provided for herein. No payment will be made until itemized records along with receipted invoices and appropriate documents have been submitted and approved.

(b) **Records.** The Contractor shall submit records of the above to the Officer-in-Charge at the end of each day on the “Daily Force Account Form” provided by HART. Such records submitted shall be subject to the approval of the Officer-in-Charge as evidenced by the Officer-in-Charge's signature thereon. The Contractor shall submit a statement covering the cost of all of the above items not later than the tenth day of the month following the month in which the costs were incurred.

**END OF CHAPTER**
Chapter 6 - Claims Procedures, Disputes and Remedies

6.1 Claims Procedures

(a) This Section outlines the exclusive procedure to be followed if the Contractor believes that it is entitled to additional compensation, additional Contract time or both. This Section applies to all claims for additional compensation and all requests for additional compensation and additional Contract time, regardless of whether the basis for the claim for additional compensation or request for additional Contract time, or both, stems from the performance of extra or additional Work, changed Work, excusable delays of any nature, or any other reason whatsoever.

(b) When the Contractor believes it is entitled to be paid more than that provided for in the Contract, the Contractor shall notify HART in writing within the time frame provided in appropriate sections of the Contract. A claim shall be made within thirty (30) days after giving written notice to HART. The claim shall include the following supporting documentation:

   (1) A description of the disputed change in condition that requires additional compensation or time;
   (2) A CPC or a detailed estimated amount of additional cost to HART or additional time required by the Contractor;
   (3) Contract provisions that support the claim; and
   (4) The date upon which the condition occurred or was observed.

(c) HART may request additional documentation from the Contractor at any time regarding a claim. Failure to provide additional documentation when requested and when such documentation exists constitutes a waiver of that portion of the claim to which the additional documentation relates.

(d) If the Contractor does not provide a timely written notice of a claim or timely file its claim for additional compensation or time, any subsequent claim for additional compensation, additional Contract time, or both, is waived.

(e) If HART agrees with the Contractor’s request for additional compensation or Contract time, the parties shall negotiate a Change Order setting forth their agreement. If HART disagrees, the Contractor shall continue promptly with the Work, but may pursue remedies as set forth herein Chapter 6 of the General Conditions.

6.2 Dispute Resolution

(a) Decision of the Officer-in-Charge. Any question or dispute concerning any provision of the Contract, which may arise during the Contractor’s performance shall be decided by the Officer-in-Charge; provided, that decisions on questions or disputes relating to default or termination of the Contract and claims greater than $50,000 shall be made only with the approval of the Contracting Officer.

(b) All disputes between the Officer-in-Charge and the Contractor which arise under, or are by virtue of, the Contract and which are not resolved by mutual agreement between the Officer-in-Charge and the Contractor, shall be decided by the Contracting Officer in writing, within the time limitations below, after receipt of a written request from the Contractor for a final decision:

   (1) For disputes or for claims not exceeding fifty thousand dollars ($50,000): ninety (90) calendar days after receipt of the claim.
   (2) For claims exceeding fifty thousand dollars ($50,000): ninety (90) calendar days after receipt of the claim; provided that if a decision is not issued within ninety (90)
calendar days, the Contracting Officer shall notify the Contractor of the time within which the Contracting Officer will make the decision. The reasonableness of this time period will depend on the size and complexity of the claim and the adequacy of the Contractor's supporting data and other relevant factors.

(3) If a decision on a controversy or a claim not exceeding fifty thousand dollars is not made within ninety (90) calendar days after receipt, or if a decision is not made within the time promised for a claim in excess of fifty thousand dollars, the Contractor may proceed as if an adverse decision has been received.

(4) The amount determined payable pursuant to the decision, less any portion already paid, normally should be paid without awaiting Contractor action concerning appeal. Such payments shall be without prejudice to the rights of either party and where such payments are required to be returned by a subsequent decision, interest on such payments shall be paid at the statutory rate from the date of payment. [HAR 3-126-28]

(c) **Disputes involving HART claims against the Contractor.** All disputes involving claims asserted by HART against the Contractor which cannot be resolved by mutual agreement shall be the subject of a decision by the Contracting Officer or the Officer-in-Charge as applicable. [HAR 3-126-29]

(d) **Cost of dispute.** The Contractor shall pay to HART the amount of HART's costs, including but not limited to amounts for attorneys' fees, consultants' fees and expenses, if HART prevails on enforcement of the Contract or defense against claims against HART.

(e) **Decision.** The Contracting Officer shall immediately furnish a copy of the decision to the Contractor, by certified mail, return receipt requested, or by any other method that provides evidence of receipt. Any such decision shall be final and conclusive, unless fraudulent, or unless the Contractor brings an action seeking judicial review of the decision in a circuit court of this State within **(6) six months** from the date of receipt of the decision.

(1) The Contractor shall comply with any decision of the Officer-in-Charge and Contracting Officer and proceed diligently with performance of the Contract pending final resolution by a circuit court of this State of any dispute arising under, or by virtue of, the Contract, except where there has been a material breach of contract by HART; provided that in any event the Contractor shall proceed diligently with the performance of the Contract where the Contracting Officer has made a written determination that continuation of work under the Contract is essential to the public health and safety. [Chapter 3-126, subchapter 3, HAR]

**END OF CHAPTER**
Chapter 7 – Commencement and General Performance Requirements for Construction

7.1  General

7.1.1  Time is of the Essence

Time is of the essence, and the Contractor shall diligently perform and complete the Work in accordance with and within the time specified in the Contract.

7.1.2  Notice to Proceed

(a)  Notice to Proceed. Upon execution of the Contract by the Contracting Officer, the Officer-in-Charge may schedule a pre-work conference and/or issue a written Notice to Proceed (NTP) to the Contractor designating the official commencement date for performance of the Work under the Contract. Unless otherwise specified in the solicitation document, the NTP shall be issued within ninety (90) days after execution of the Contract by the parties, unless a later date is agreed to by mutual agreement.

(b)  Commencement of Work. The Contractor shall not proceed with any part of the Contract at the project site and no performance on any work, including purchase of equipment or materials, will be allowed until: (1) the official commencement date designated in the NTP or (2) upon earlier written notice from HART to allow investigative, administrative, mobilization, or other preconstruction activities to proceed.

7.1.3  Standard Equipment

Whenever the word "standard" is used in the Contract to describe any item, piece of equipment, or parts assembly, it shall be construed to mean that the items or assemblies so described shall be the newest, regular, and current product of the manufacturer thereof. Such product shall be identified by a model or other designation without modification or omission of any of its usual parts, or the substitution of others, except as hereinafter specified, and the details, capacities and ratings must conform in every respect to the said manufacturer's catalog or other printed matter describing the items or assemblies. Standard sub-assemblies, accessories, fittings and finishes shall be construed to be those which are regularly furnished as a part of the principal unit or assembly and shall be included in the selling price thereof.

7.1.4  Quality of Goods

Unless otherwise specified, any goods required by the bid solicitation or the Contract shall be new and the best quality of its kind, and shall be goods of recognized manufacturers, unless otherwise specified in the Special Provisions, Contract Specifications, or other sections of the Contract.

7.1.5  Free on Board (F.O.B.) Destination

Unless otherwise specified, offer and contract prices shall be based on delivery f.o.b. place of destination and shall include all freight, handling, delivery, and related charges.

7.1.6  Subcontracting; Specialty Work

(a)  Subcontract Relations. The Contractor shall be responsible under the Contract for the acts and omissions of its subcontractors, suppliers, and persons either directly or indirectly employed by them, as fully as the Contractor is for acts and omissions of its own employees. Nothing in the Contract shall create any contractual relation between any subcontractor or supplier and HART, or any obligation on the part of HART to pay any money to, or cause to be paid any money from any subcontractor or supplier.
(b) Changes. Except as provided for in the final Proposal or bid as accepted by HART, the Contractor shall not sublet or replace its subcontractors any of the Work to be performed without written permission from the Contracting Officer. The subcontracting shall not, under any circumstances, relieve the Contractor of the Contractor’s obligation and liability under the Contract with HART. All persons engaged in performing the Work covered by the Contract shall be considered as agents of the Contractor, and shall be subject to the provisions thereof.

(c) Specialty Work. Speciality work may be performed only by the Person(s) holding the specialty license for that specialty work.

7.1.7 Permits, Licenses

(a) The Contractor shall obtain all necessary permits and licenses, pay all charges, fees, and taxes, give all notices and comply with all laws, ordinances, rules and regulations bearing on the conduct of the Work as drawn and specified. These may include, but not be limited to, demolition permit, building permit, dumping charges, grading permit, excavation permit, traffic permit, community noise permit, City park right-of-entry permit, National Pollutant Discharge Elimination System (NPDES) permit and compliance with Rodent Control Requirements on Demolition of Structures and Clearing of Sites and Vacant Lots. All costs and work under this subsection shall not be paid for directly but shall be considered incidental and included in the Offeror’s Proposal prices for the various items of work.

(b) The Contractor represents that the Contractor is a business entity which is experienced and skilled in construction of projects of the type described in the Contract and that the Contractor is licensed by the State of Hawaii to engage in the type of construction required by the Contract and is in compliance with all applicable laws and regulations.

(c) Where permits have already been applied for or secured by HART, a copy of the applications may be provided by HART to the Contractor for the latter’s convenience; however the information provided in the application is intended to supplement rather than serve in lieu of the Contractor’s permit application requirements. Any permits and/or attachments are not part of the Contract Documents.

(d) The Contractor shall assume full responsibility for determining that the jurisdiction through which its haul routes pass will permit the hauling operations with respect to laden weights, type of vehicle, frequency and dimensions of loads, required traffic control and hours of operation. All necessary permits, licenses or bonds shall be obtained and paid for by the Contractor. The unavailability of haul routes or limitations thereon shall not become a basis for claims, for damages or extension of time for completion of the Work.

7.1.8 Access and Inspection

(a) Circumstances under which HART may perform inspections include but are not limited to, inspections of the Contractor's, its subcontractor's, or supplier's plant, or site of the project in order to determine: [HAR 3-122-166]

1. whether the Contractor has or is maintaining the financial ability, resources, skills, capability, and business integrity necessary to perform the work;
2. whether the Contract is being performed in accordance within its terms;
3. whether the goods or services are acceptable by inspection of the goods or services;
4. whether the cost or pricing data and the Escrowed Bid or Proposal Documents by audit of its books and records pursuant to HAR GC Section 3-122-175 is accurate;
(5) whether the Best Management Practices is being followed;
(6) whether the Contractor is in compliance with all applicable consent decrees; or
(7) whether or not to debar or suspend a person from consideration for award of contracts pursuant to HAR Sections 3-126-11 through 3-126-18.

7.1.9 Value Engineering Incentive

(a) The Contractor may develop and submit value engineering change proposals for drawings, designs, specifications, or other requirements of the Contract in accordance with HAR 3-132-1 et seq.. If any value engineering change proposal is accepted and approved, in whole or in part, by the Officer-in-Charge, the Contract shall be modified and shall include an equitable adjustment of the Contract price in accordance with this Section.

(b) This Section shall not apply to any cost reduction proposal that is not identified as a value engineering change proposal by the Contractor at the time of its submission to the Officer-in-Charge.

7.1.10 Guarantee

(a) This guarantee shall be deemed supplemental to guarantee provisions provided in other sections of the Contract Documents for the individual units and systems of units so specified. The Contractor warrants that all Work will be of good quality, free from fault or defect and in conformance with the Contract Documents. All Work not conforming to the foregoing requirements, including unapproved or unauthorized substitutions shall be considered defective. The Contractor also guarantees all materials and equipment furnished or installed under the Contract against defects and poor workmanship and to be in operable condition upon Final Acceptance of the Work or portions of the Work, and that all such materials and equipment conform to the requirements of this Contract and be fit for the use intended.

(b) All subcontractors’ of any tier, manufacturers’, and suppliers’ warranties and guarantees, express or implied, respecting any part of the Work and all materials used therein shall be obtained and enforced by the Contractor for the benefit of HART without the necessity of separate transfer or assignment thereof. When directed by the OIC, the Contractor shall require subcontractors or any tier, manufacturers, and suppliers to execute separate warranties and guarantees in writing directly to HART.

(c) Guarantee Period. Unless otherwise specifically stated elsewhere in the Contract Documents that a longer period is intended, the guarantee shall extend for a period of one year upon Final Acceptance of the work by the Officer-in-Charge and shall include all labor, materials, equipment and parts. This period shall be extended from the time of correction of any defect or failure, corrected under the terms of this guarantee, for a like period of one year. The Contractor shall provide a new certificate of guarantee for the extended one-year period. Establishment of the time period of one year as described relates only to the specific obligation of the Contractor to correct work, and has no relationship to the time within which the obligation to comply with the Contract may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations other than specifically to correct work.

(d) Correction. The Contractor shall, at no additional expense to HART, promptly correct all defects or any Work performed that fails to conform to the requirements of the Contract Documents. The Contractor shall within seven (7) days following notification by HART of defective or nonconforming work replace or correct the defective work or provide a written plan satisfactory to HART indicating corrective action to be taken. Such Work shall be corrected even if previously inspected by
HART, payment for it was included in a progress payment, whether it was observed before or after the date of completion.

(e) **Noncompliance.** If the Contractor fails to perform corrective work in the manner and within the time stated, HART may proceed to have such work performed at the Contractor's expense, and the Contractor's sureties will be liable therefore. HART shall be entitled to reasonable attorneys' fees, consultants' fees and costs necessarily incurred by the Contractor's refusal to complete the Work and to pay such costs of corrective work.

(f) **Performance Bond.** Unless otherwise specifically stated elsewhere in the Contract Documents that a longer period is intended, the performance bond shall be in full force and effect for the duration of the Contract and for a period of one year after final acceptance of the Contract by the Officer-in-Charge.

(g) **Rights and Remedies.** The rights and remedies of HART under this provision do not preclude the exercise of any other rights or remedies provided by this Contract or by law with respect to unsatisfactory work performed by the Contractor.

7.1.11 **ADA Compliance**

The Contractor shall be responsible for all ADAAG compliance.

**END OF SECTION**
7.2 Interface Management and Coordination

7.2.1 General

This Section addresses the interface management and coordination processes between the Contractor and other HRTP interfacing contractors for all elements of the Work. The Contractor is responsible for managing all interface coordination necessary to perform the Work throughout the life of the Contract. HART’s CMS shall serve as the information distribution and archival system for all interface control documentation.

7.2.2 Interface Management and Coordination Process

(a) Within the first 30 days of issuance of Notice to Proceed, HART will schedule a kickoff meeting with the Contractor to discuss HART’s interface process requirements.

(b) At a minimum the Contractor shall perform the following steps to ensure effective management of interface during the life of the Project:

   (1) *Interface identification:* This step includes identifying interface coordination activities, or interface points, that are necessary to complete the Work.

      (A) Within thirty (30) days after issuance of a Notice to Proceed, meet with interfacing partners to identify potential interface points.

      (B) Within forty-five (45) days after issuance of a Notice to Proceed, provide a draft list of interface points for review by HART and interfacing partners for concurrence. Provide a separate tabulation for each interfacing partner.

      (C) Interface points include but are not limited to:

         (i) Site access/shared access;

         (ii) Construction sequencing coordination;

         (iii) Material delivery;

         (iv) Construction milestone inspection;

         (v) Physical interface points;

         (vi) Coordination requirements specified in the Contract Documents;

         (vii) Testing of equipment;

      (D) Interface identification will be an ongoing process through the life of the Project.

   (2) *Interface Communication between interfacing Contractors*

      (A) The Contractor shall hold and participate in interface definition meetings to identify and resolve interface issues. The interface definition meeting will be held monthly at a minimum with each interfacing contractor. The Contractor shall provide meeting minutes to be distributed to all attendees for comment within twenty-four (24) hours after each meeting is held. The Contractor shall post minutes to the interface module of CMS within seventy-two (72) hours after each meeting is held. Minutes shall contain a record of action items that require action by the appropriate party. Minutes shall include attachments of documents or reference material discussed during the meeting.
(B) Request for Interface Data (RFID) is a CMS generated document that shall be used by the Contractor and interfacing Contractors to request and/or provide information necessary to complete interface coordination.

(i) RFIDs shall include attachments as necessary to accurately and thoroughly describe the information being requested or conveyed.

(3) Interface Documentation

(A) Within sixty (60) days after issuance of a Notice to Proceed, the Contractor shall memorialize the agreed upon initial interface points using CMS to generate Interface Control Documents (ICD) as described below:

(i) The Contractor shall use CMS to develop and store ICDs. There shall be at least one ICD per interfacing contractor.

(ii) The ICD shall serve to memorialize the interface communication and coordination between interfacing parties and the resulting concurrence and closure of interface points.

(iii) The ICD shall be a comprehensive list of all interface points. The ICD shall include a brief description of the interface point(s), information delivery dates, and attachment of corresponding RFIDs and any relevant reference contract documents such as design drawings and specifications, shop drawings, installation plans, design standards, tolerances, procedures, and any other documentation necessary to demonstrate the requirements and fulfillment of the interface. Proper revision control numbers/letters and dates shall be shown on such referenced documents that are made part of the ICD.

(iv) The Contractor is responsible for the coordination and resolution of all interface points identified in the initial ICD as well as those identified throughout the life of the Project. The ICD shall be updated on a monthly basis at a minimum to reflect new interface points as they are identified, to status ongoing interface coordination, to update reference documents as necessary, to identify interface conflicts, and to document closed interface points.

(4) Interface Closeout

(A) The interface point is considered closed if both parties agree on the efficiency, accuracy and completion of communicated information, activities, and deliverables.

(B) The ICD will be the mechanism to record closed interface points.

(C) As part of Project closeout, the Contractor shall provide an Interface Control Manual (ICM) containing a compilation of all ICDs generated and maintained throughout the duration of the Work.

(c) The Contractor shall resolve all interface issues arising out of its Contract and provide documentation of all resolutions per the terms set forth in this Section of the General Conditions prior to proceeding with the Work, or shall otherwise be deemed to be proceeding at its own risk.
(d) If the Contractor encounters an interface conflict, the Contractor shall notify HART immediately.

(e) If the Contractor fails to provide necessary interface information or timely interface coordination, or if such information provided by the Contractor is incorrect or subsequently changed by the Contractor and not coordinated, communicated, or interfaced accordingly, the Contractor shall be responsible for the cost of all facility and equipment redesign and construction rework, whether the impacted facility and equipment are the responsibility of the Contractor or others. The Contractor shall notify HART immediately if any interface information obtained or provided is changed or found to be incorrect and may result in impact to the Work.

END OF SECTION
7.3 Protect Existing Utilities, Relocation of Utilities, New Connection Services

7.3.1 Contractor’s Duty to Locate and Protect Utility

(a) The Contractor shall plan and execute its Work to prevent outages in existing utilities or disruption of service. Before beginning any Work at the worksite, the Contractor shall research, ascertain, and identify the exact horizontal location and depth of all utilities within the Project area where a conflict could occur with the proposed Work. The Contractor may probe for utilities at critical locations upon notifying HART prior to commencement of the probe. The Contractor shall utilize the One-Call Center system, as required under HRS Section 297E-7, and may use electromagnetic locating systems, ground penetrating radar systems, or other utility locating systems, or research as-built information from the utility companies/agencies and other development/Project plans to obtain the utility information. The location of existing utilities shown on the plans is approximate and does not accurately reflect the exact location of all the utilities. It is the responsibility of the Contractor to thoroughly research and obtain information regarding the location and placement of existing and new utilities.

(b) The Contractor shall inform all personnel working near utilities with the type, size, location, and depth of the utilities, as well as the consequences that might result from disturbances. The Contractor shall have Protection in Place to protect the utilities and prevent service disruption.

(c) The Contractor shall be responsible for the protection of existing surface and subsurface utilities within and abutting the Project site that the Contractor encounters during the progress of the Work, including but not limited to telephone system, electric system, water system, sewer system, drainage system, gas system, cable system, and irrigation system. Whether or not shown on the plans Such utilities shall not be disturbed or damaged, unless otherwise instructed in the Plans and Contract Specifications. Whenever the Contractor damages a utility or causes any interruption to any utility service, the Contractor shall promptly notify HART, the affected utility owner, and the appropriate governmental authorities. The Contractor shall be responsible for the safety and protection of the public and the utility. The Contractor shall cooperate with the affected utility owner and the appropriate governmental authorities in the restoration of service. The Contractor shall be responsible for all costs associated with the repair and restoration of service at no increase in Contract price or Contract time. Compensation to the utility company/agency for any repair work shall be made directly between the Contractor and the utility company/agency. The Contractor shall save harmless HART from all suits, actions or claims of any character brought on the account of the Contractor’s damage to the utilities.

(d) All costs incurred as a result of performance of the Contractor’s obligation under this Section shall be considered incidental to the Contract and included in the Contract price; no increase in the Contract price or time will be granted.

(e) Damage to Sewer Facility. The Contractor shall notify HART and the State of Hawaii Department of Environmental Services Collection System Maintenance Division immediately whenever a sewer facility is damaged. All costs incurred by HART caused by Contractor-related damages, such as sewer backups, spills, overflows, shall be billed to and paid by the Contractor. Any subsequent fines, imposed upon HART by the Environmental Protection Agency (EPA) and/or State Department of Health will be billed to and paid by the Contractor.

7.3.2 Utilities Relocation; New Connection Services

(a) Contractor’s Duty to Coordinate Utility Work. For utilities relocation work and new connection services, the Contractor shall contact and cooperate with each affected utility owner in order for the Work to progress on schedule and without unreasonable disruption of such utility services. If the Work calls for permanent utility service installations or corrections to, or modifications of existing
utilities, the Contractor shall schedule and coordinate such work with appropriate utility owners. If the Work required by the Contract Documents conflicts with the instructions, demands, or requirements of a utility owner, the Contractor shall notify HART immediately.

(b) **Utility Owners’ Right to Enter.** The right is reserved to HART and the utility owner to enter upon the Project site from time to time to make such changes as may be necessary for the relocation of the utilities or to make necessary connections or repairs. The Contractor shall cooperate with and facilitate any necessary access to or on the Project site and shall conduct its operations in such a manner as to avoid delay or hindrance to any necessary work to be performed by others. When HART has a separate agreement with utility owners for work to be performed within the site, the Contractor shall coordinate the construction schedule and interfaces with the utility owners and make available all portions of the Work and the site necessary for the utility owners to do their work.

(c) **Utilities Relocation.** Where removal or relocation of known utilities is necessary to accommodate construction, the Contractor shall coordinate with the affected utility owner. The Contractor shall be responsible for the construction of the underground infrastructure, such as trenching, ductlines, conduits, and handholes, but subject to approval by the affected utility owner. Such work involving construction of the removal or relocation shall be performed at the Contractor’s sole expense. All work performed and charged by the utility owner for utilities removal or relocation shall be paid by the Contractor, and the Contractor will be reimbursed the charged amount with no Contractor mark-up.

(d) **New Connection Services.** All work performed and charged by the utility owner related to new connection services, including design, construction, inspection, and installation charges by the various public utility companies shall be paid by the Contractor, and the Contractor will be reimbursed the charged amount with no Contractor mark-up.

7.3.3 **Known Utilities and Similar Facilities**

(a) Where removal or relocation of known utilities is necessary to accommodate construction, such removal or relocation shall be performed at the Contractor’s sole expense, unless it is specified in the Contract Documents that it will be performed by HART.

(b) Where the utility owner is identified as being responsible for removing or relocating utilities, such Work will be accomplished as the utility owner’s convenience, either during or in advance of construction. If the Contractor discovers the presence of any utilities as the Project site, it shall immediately so notify HART in writing.

(c) The Contractor shall plan and execute its Work to prevent outages in existing utilities or disruption of service. Existing utilities shall be staked, marked, and potholed to verify location before excavation begins.

END OF SECTION
7.4 Escrowed Proposal Documents

7.4.1 General

(a) The Contractor shall have, in escrow, the Escrowed Proposal Documents (EPD) and provide an executed original of the Escrow Agreement (see Exhibit M) not later than the date specified in each solicitation.

(b) Upon Award of the Contract, designated representatives of HART and the Contractor shall jointly retrieve the EPD from the designated escrow agent, and shall deliver to HART one copy of the EPD for review. The Contractor, at its own expense, shall provide a fireproof cabinet to be placed in HART’s offices, or, if the EPD is not too voluminous, the Contractor, at its own expense, may provide the EPD in a lock box. Alternatively, at the Contractor’s option and at its sole expense, the EPD may remain with another depository or escrow acceptable to HART located in Honolulu. The secure EPD shall be held in HART’s offices, with the key held by the Contractor. Concurrently with the submission of quotations or revisions to quotations provided in connection with formally proposed amendments to this Contract and concurrently with approval of each Change Order, if appropriate, one copy of all documentary information used in preparation of the quotation or Change Order shall be added to the cabinet to be held with the original EPD. The EPD shall be held in such cabinet until all of the following have occurred:

1. One hundred eighty (180) days have elapsed from Final Acceptance or termination of the Work, as applicable;
2. All disputes regarding this Contract have been settled; and
3. Final payment on this Contract has been made by HART and accepted by the Contractor.

7.4.2 Contents of the Escrowed Proposal Documents

(a) The EPD shall be detailed and complete, including necessary information from the Contractor’s subcontractors and vendors, such that, in the event of a change order, requests for price adjustment, review of claims, or dispute resolution, the EPD shall be sufficient and complete to assess and justify the charges made on the change order, request for price adjustment and/or the claims. The cost basis and overhead rates for Contractor’s Price Proposal shall be clearly apparent when reviewing the EPD.

1. Subcontractor and Supplier Pricing Documents. The Contractor shall require each subcontractor and/or supplier to submit to the Contractor a copy of all documentary information used in preparing its sub-bid or sub-proposal to be held by the same escrow depository which is holding the Escrowed Proposal Documents and which shall be accessible by the Contractor and its successors and assigns (including HART) and dispute resolvers on terms substantially similar to those contained herein. Each such subcontract shall include a representation and warranty from the subcontractor stating that its Escrowed Proposal Documents constitute all the documentary information used in preparation of its sub-bid or sub-proposal.

(b) The EPD shall clearly itemize the estimated costs of materials, equipment, and performing the Work required by the Contract Documents. All Work shall be separated into sub-items as required to present a complete and detailed estimate of all costs. Crew, equipment, quantities, and rates of production...
shall be detailed. Estimates of costs shall be further divided into the Contractor’s usual cost categories, such as direct labor, repair labor, equipment ownership and operation, expendable material, permanent material, and subcontract costs, as appropriate. Plant and equipment and indirect costs shall also be detailed in the Contractor’s usual format. The Contractor’s allocation of plant and equipment, indirect costs, contingencies, markup, and other items to each direct cost item shall be clearly identified. The EPD shall include Exhibit F (Insurance Premium Worksheet) identifying their insurance costs pursuant to GC Section 4.2 (k)(7). The EPD shall include all assumptions, quantity takeoffs, rates of production and progress calculations, quotes from subcontractors and suppliers, memoranda, narratives, and all other information used by the Contractor to arrive at Bid or Proposal price or Change Order price, as applicable.

(c) In the event it is discovered upon review of the EPD that the EPD is not reasonably complete, this shall be deemed a breach of good faith performance of the Contract, resulting in great difficulty for HART to assess the cost breakdown, insurance costs, change order, request for price adjustment, and claims. In such an event, HART’s independent cost estimate shall prevail, and in entering this Agreement, the Contractor has agreed to this arrangement, recognizing that the predicament has resulted from the Contractor’s failure to provide the necessary information required in the EPD.

(d) The Schedule of Values, as defined in the Contract, shall be included as a part of or supported by the EPDs.

7.4.3 Availability for Review

The EPD shall be available during business hours for joint review by the Contractor and HART, within two (2) business days upon request by HART to review the EPDs. HART shall be entitled to review all or any part of the EPD in order to satisfy itself regarding the applicability of the individual documents to the matter at issue. HART shall be entitled to make and retain copies of such documents as it deems appropriate in connection with any such matters, provided that HART has executed and delivered to the Contractor a confidentiality agreement specifying that the EPD will be kept confidential; that copies of such documents will not be distributed to any third parties other than HART’s agents, attorneys, and experts, and other dispute resolvers hereunder; and that all copies of such documents (other than those delivered to the dispute resolvers) will be either destroyed or returned to the locked cabinet upon final resolution of the negotiations or disputes. The foregoing shall in no way be deemed a limitation on HART’s discovery rights with respect to such documents.

7.4.4 Proprietary Information

The EPD shall be labeled “CONFIDENTIAL.” The EPD is, and shall always remain, the property of the Contractor, subject to HART’s right to review the EPD as provided herein. HART acknowledges that the Contractor may consider that the EPD constitutes trade secrets or proprietary information. This acknowledgment is based upon HART’s understanding that the information contained in the EPD is not known outside the Contractor’s business. The EPD will at all times be treated as proprietary and confidential information and will be used only for the purposes described herein.

7.4.5 Representation

(a) The Contractor represents and warrants that the EPD provided with the Proposal constitutes all of the information used in the preparation of its Proposal and agrees that the information contained in the EPD shall be utilized in resolving disputes or claims. The Contractor also agrees that the EPD is not part of the Contract and that nothing in the EPD shall change or modify the Contract.

(b) The Contractor shall have no right to add documents to the EPD, except as provided in GC Section 7.4, or upon HART’s request.
(c) The Contractor represents and warrants that the Escrowed Proposal Documents related to the Proposal have been personally examined prior to delivery to escrow by an authorized officer of the Contractor and that they meet the requirements of GC Section 7.4.2 and are adequate to enable a complete understanding and interpretation of how the Contractor arrived at its Price Proposal. The Contractor further represents and warrants that the Escrowed Proposal Documents related to each Change Order will be personally examined prior to delivery to escrow by an authorized officer of the Contractor and that they meet the requirements of GC Section 7.4.2 and will be adequate to enable a complete understanding and interpretation of how the Contractor arrived at its Change Order price.

END OF SECTION
7.5 **Character of Workers and Key Personnel**

7.5.1 **Use of Qualified Workers**

(a) **Skilled Workers:** The Contractor shall employ only persons who possess sufficient skill and experience required to properly perform the Work assigned to them. When required by HART, whose decision is final, the Contractor shall replace any worker or employee who lacks the skill to perform the Work assigned to the worker or employee or is discourteous or disorderly while performing such Work. If acceptable to HART, a person who has been replaced may be assigned other Work on the Project. Any such acceptance by HART does not relieve the Contractor from performing the Work in accordance with the Contract Documents and taking full responsibility of all actions by its workers or employees.

(b) **Specialized Workers:** All Workers engaged in special work or skilled work, such as bituminous courses or mixtures, concrete pavement or structures, electrical installation, plumbing installation, or in any trade, shall have sufficient experience in such work and in the operation of the equipment required to properly and satisfactorily perform all the Work. All Workers shall make due and proper effort to execute the Work in the manner prescribed in the Contract Documents.

(c) **Insufficient Workers:** Should HART find that the Work is not on schedule, the Contractor shall adjust its resources to bring the Work back on schedule at no additional cost to HART.

7.5.2 **Key Personnel and Project Organization**

(a) The Contractor shall provide key personnel to fulfill the requirements of the Contract. Such personnel identified in the Contract Documents shall be dedicated to fulfill all Contract obligations.

(b) **Personnel Directory:** Within fifteen (15) days after NTP, the Contractor shall submit to HART a directory and organizational chart including resumes of all key personnel. The directory shall be updated throughout the Contract as changes occur. The directory shall include the names, titles, areas of responsibility, office address, office telephone, fax numbers, and cellular and/or pager numbers of key personnel. The Contractor must provide information that will enable HART to contact any of the key personnel on a 24-hour basis during Contract duration. The directory shall be incorporated into the Quality Assurance Plan.

(c) **The Key Personnel positions are as follows:**

1. **Corporate Project Principal (or “Project Principal”):** This individual is specified by name in the Contractor’s organization diagram as the Contractor’s Corporate Project Principal responsible for managing the Project and authorized to make Contract commitments (if not delegated to the Project Manager) and to resolve disputes.

2. **Project/Construction Manager:** The Project/Construction Manager shall serve as the Contractor’s full-time, dedicated, on-site manager for the Project, representing the Contractor as the single point of contact for the duration of the Contract. The Project/Construction Manager should have demonstrated experience on construction projects of similar size, complexity, and with similar challenges as this Project. The Project/Construction Manager shall be located on or near the Project site for the duration of the Contract.

3. **Quality Manager:** The Quality Manager shall have a minimum of five (5) years of experience in Quality Assurance/Quality Control activities, including preparation and implementation of Quality Assurance Plans and procedures for construction. The Quality Manager should have demonstrated experience on construction projects of
similar size, complexity, and with similar challenges as this Project. The Quality Manager shall interface and coordinate with HART and provide independent Quality Assurance/Quality Control services as set forth in GC Section 7.11, Quality Assurance.

(4) **Safety and Security Specialist:** The Contractor’s Safety and Security Specialist shall be a full-time professional on the project and who shall conduct and document daily safety inspections. Unless otherwise approved by HART, the Safety and Security Specialist shall have no duties other than occupational safety, health and security management, inspections, and enforcement of the Contract. The Safety and Security Specialist is responsible, at a minimum, to perform for occupational safety, health and security management, surveillance, safety inspections, and enforcement for the Contractor. The Contractor’s Safety and Security Specialist shall:

(A) Report to the Contractor’s corporate management or the senior management person on the Contract Project and not to subordinates or line supervisors;

(B) Have a minimum of five (5) years of construction safety experience;

(C) Have a minimum of five (5) years of experience implementing OSHA programs for construction projects of similar size and scope and as a roadway (highway) safety technician or supervisor;

(D) Make best efforts to obtain the following certifications, although not required: Certified Safety Professional (CSP), Construction Health and Safety Technician (CHST), and Certified Industrial Hygienist (CIH);

(E) Shall be a Work Zone Safety Supervisor as certified by the American Traffic Safety Service Association or any HART or firm certification program approved by HART;

(F) Provide documentation showing completion of the 30-hour OSHA Construction Outreach Course within the past three years of application as key personnel;

(G) Have completed a 30-hour OSHA course on Construction Safety and Health;

(H) Have attended Competent Person Level training in fall protection, excavation and trenching, confined space, rigging and hand signaling for cranes within the past five (5) years of application as key personnel;

(I) Provide documentation showing current certification in CPR and Standard First Aid;

(J) Be familiar with the Work being performed and be competent to instruct others;

(K) Be knowledgeable with the Contractor’s CHASP and SSSP and be responsible for the management and implementation of the SSSP as required by the CSSP;

(L) Shall manage and oversee the Contractor’s compliance with the HART Safety and Security Certification Plan. Shall ensure the completion of the Contractor’s activities for achieving safety and security certification for all identified certifiable elements and manage the required documentation management system; and
(M) Shall have a minimum of five (5) years of experience working with safety and security certification programs.

(5) **Public Involvement Manager:** The Public Involvement Manager shall have at least five (5) years of experience planning, organizing, developing, and implementing public/community outreach and information programs. In serving as liaison between the public and governmental agencies, the Public Involvement Manager should have skills in listening and responding to community concerns and questions and using tact and diplomacy in dealing with sensitive situations and upset individuals is desirable. Should have knowledge, skills, and abilities in:

(A) Addressing issues of public concern and conflict;

(B) Developing materials such as news releases, fact sheets, flyers for both community and media audiences;

(C) Public notification and record keeping protocols; and

(D) Technical knowledge of construction projects.

(d) **Substitution of Key Personnel:** The Contractor shall not permanently substitute key personnel without giving HART notice of the substitution, along with the qualifications of the substitute. Notwithstanding the procedures set out herein, HART will have no obligation to consider or approve a request to substitute, but may, at its sole discretion, reserve the right to disapprove a substitution.

(1) **Proposed Replacements:** If the Contractor must add, delete, or substitute any key personnel or a major subcontractor, the Contractor shall submit to HART notice at least thirty (30) days in advance of any desired replacement with the qualifications of the addition or substitute along with the reason for proposed change.

In the event of an authorized substitution, the Contractor shall be liable for all cost increases to the Project caused by the replacement of the key personnel.

(e) **Temporary Absence of Project/Construction Manager, Safety and Security Specialist, or Quality Manager:** If the Project/Construction Manager, Safety and Security Specialist or the Quality Manager is to be absent from the Project site for more than forty-eight (48) hours, HART shall be informed in writing at least five (5) days in advance of the person temporarily substituting these key persons.

7.5.3 **Other Responsibilities within the Contractor’s Organization**

The Contractor is responsible to provide qualified personnel able to provide services associated with, but not limited to, environmental compliance, interface, and project controls / scheduling in order to meet the requirements and deliverables set forth in the Contract Documents. While these positions are not considered key personnel, the Contractor shall staff the Project adequately to comply with the requirements of the Contract.

END OF SECTION
7.6 Construction Progress Documentation

7.6.1 General

(a) Scheduling of Work performed by the Contractor under this Contract shall be in accordance with the requirements of this Section.

(1) The requirements specified herein are established to ensure adequate planning, scheduling, management, and execution of the Work by the Contractor and to enable HART to evaluate progress and validate the Contractor payment requests.

(2) Development of the Baseline Project Schedule, cost and resource loading of the BPS, monthly Project Schedule Updates, payment requests, and Project status reporting requirements of the Contract shall employ computerized Critical Path Method (CPM) scheduling, using Primavera P6 Professional Project Management Version 8.3 or later (hereafter referred to as “Primavera” or “P6”).

(3) Submit schedules and reports as specified in this Section, but at a minimum once per month with the Contractor’s payment request.

(4) The Contractor shall follow HART’s guidelines regarding required Project coding structure, Work Breakdown Schedule (WBS) dictionary and terminology, and Primavera Methodology.

(5) The Baseline Project Schedule shall be based on and incorporate Contract milestones and completion dates specified in the Contract Documents. In addition, the Contractor shall establish intermediate milestones as necessary to develop the BPS. Such intermediate milestones must be submitted and accepted by HART before they can be incorporated in the Contractor’s BPS or subsequent updates to the BPS.

(6) The Baseline Project Schedule shall be the basis for evaluating job progress, payment requests, and time extension requests. Responsibility for developing the BPS and maintenance of the updated current Project Schedule to monitor actual progress against the Baseline Project Schedule (BPS) rests with the Contractor. Failure to produce and maintain schedules in accordance with this Section and that accurately reflect the true progress of the job may result in HART withholding authorization of progress payment requests.

(7) Failure of the Baseline Project Schedule to include any element of the Work or any inaccuracy in updates to the Project Schedule will not relieve the Contractor from responsibility for accomplishing the Work in accordance with the Contract. HART’s acceptance of the BPS and updates to the Project Schedule shall be for use in monitoring and evaluating job progress, payment requests, and time extension requests, and shall not, in any manner, impose a duty of care upon HART, or act to relieve the Contractor of its responsibility for means and methods of construction.

(8) A Scheduler shall be employed by the Contractor, who shall have a minimum of five years’ experience using automated scheduling systems. The Scheduler shall cooperate with HART’s Project Control staff and shall be available for the purpose of continuously monitoring and maintaining the Contractor’s detailed construction scheduling program. Within fifteen (15) calendar days after Contract Award, the Contractor shall submit to HART the Scheduler's resume of experience as a construction project Scheduler, including at least four personal references who have
had experience with the individual as a construction project Scheduler. HART has the right to refuse to accept the Contractor’s proposed Scheduler based upon lack of experience as required in this specification. If HART refuses to accept the Scheduler proposed by the Contractor, the Contractor shall provide another Scheduler who meets experience requirements stated herein within fifteen (15) calendar days of receiving HART’s denial.

(9) Contract time extensions for Contract performance will be granted only to the extent that delays or disruptions to affected Work paths exceed total float along those paths of the current and updated Project Schedule approved by HART in effect at time of the delay or disruption. Such delays or disruptions must also cause the end date of Work to exceed the current Substantial Completion Date and must be beyond the control and without fault or negligence of the Contractor or any Contractor’s subcontractor at any tier.

(10) Early Project completion (as in the difference between early completion and contract date) is float to the benefit of the Project.

(b) **Baseline Project Schedule (BPS)**

The Contractor shall develop, submit, and maintain a cost-loaded Baseline Project Schedule (BPS) within 30 days after NTP to effectively manage and control the performance of the Work. The BPS shall represent the Contractor’s plan to complete the Work within the Contract time. The BPS shall logically incorporate all construction activities for the entire Project under this Contract. In addition to the logical construction activities, the BPS shall also include the times for procuring materials and equipment, Contractor quality control, acceptance testing, and training. If any construction activity requires HART review, that submittal review time shall be included in the BPS.

BPS Requirements include, but are not limited to, the following:

(1) The BPS shall include required milestones.

(2) HART’s WBS shall be incorporated into the BPS.

(3) The CPM shall be extracted, identifying the BPS critical path and longest path.

(4) Use of float-suppression techniques such as preferential sequencing or logic, special lead/lag logic restraints, and extended activity time or duration are prohibited. Use of any network technique solely for purpose of suppressing float shall be cause for rejection of schedule submittal.

(5) The Contractor shall provide the BPS electronically in Primavera (.xer) and Adobe (.pdf) formats. The diagram shall clearly show activities on the critical path, including the following for each activity:

(A) Activity ID;

(B) Activity Description;

(C) Original Duration in Work Days;

(D) Remaining Duration;

(E) Percent Complete;

(F) Early Start Date;

(G) Early Finish Date;
(H) Total Float.

(6) The activity codes as described below shall be included in the BPS.

(7) At a minimum, the Contractor shall establish activity codes for each of items listed below. Once established, activity codes and values cannot be changed without approval of the Officer-in-Charge:

(A) **Phase:** All activities shall be assigned a 4-digit code value based on the phase of the Work it occurs in.

(B) **Area Code:** All activities shall be assigned an area code value identifying the area in which the activity occurs. Activities shall not belong to more than one area. “Area” is defined as a distinct space, function or activity category.

(C) **Work Item:** All activities in the BPS shall be assigned a 4-digit Work Item Code value.

(D) **Location:** Assign a 4-digit location code value to all activities to identify the location within the Area or Work Item that an activity is occurring.

(E) **Responsibility Code:** All activities in the BPS shall be identified with the party responsible for completing the task. Activities shall not belong to more than one responsible party.

(F) **Project Start Date Milestone:** The first activity on the schedule is “Contract Execution,” which shall have a mandatory start constraint equal to the Contract execution date (when all parties have executed the Contract); that is, the first activity shall be the Contract execution date.

(G) **Projected Substantial Completion Milestone:** The BPS shall include an unconstrained finish milestone entitled, “Project Substantial Completion.” Final Acceptance and Contract Completion Date milestone must be its only successor.

(8) Other requirements of the BPS shall include, without limitation, as follows:

(A) Construction activities are to be shown in work days (material procurement can be in calendar days);

(B) Neither shop drawings development nor procurement activities shall be cost loaded. Progress payments will be made for installed work only;

(C) The BPS shall not have any activity with a duration longer than 20 working days, with the exception of submittal review/approval, material fabrication/procurement activities, unless otherwise approved by HART. Activity duration shall equal total number of actual working days required to perform that activity, excluding weekends, holidays, and non-work periods;

(D) Show contract milestones and completion dates. At a minimum, show project start date milestone, Substantial Completion Date, Contract Completion Date, Final Acceptance milestones, constraints, sequence of work and operational restrictions specified in the Contract;

(E) Identify as separate activity, HART-furnished materials and equipment, if any.
(F) Approvals, tests or inspections required by or performed by regulatory agencies or other third parties;

(G) Dependencies (or relationships) between activities;

(H) All sample submittals, sample review/approval, procurement, manufacture, manufacturer test, test report preparation, delivery and installation activities, for all major materials and equipment;

(I) Show procurement of major equipment, through receipt and inspection at job site, as a separate activity. Include time for fabrication and delivery of manufactured products for Work and dependencies between procurement and construction activities;

(J) Include in the activity description what Work is to be accomplished and where. Use the Primavera Log for additional descriptive information if required;

(K) Cost loading shall consist of the total contract price of performing each activity and the budgeted quantity associated with that price. This data will correspond directly with the tabular schedule which will form the basis of monthly payment requests. The sum of prices for all activities shall equal Contract price;

(L) Identify the activities that constitute the controlling operations or critical path. No more than twenty-five percent (25%) of the activities shall be critical or near critical. Near critical is defined as float in the range of one (1) to ten (10) working days.

(M) Show the interface with Work of other contractors, HART, and other agencies such as utility companies, including access to and availability of Work areas.

(N) With the exception of the Contract execution and Contract Completion Date milestone activities, no activity shall be open-ended. Each activity shall have predecessor and successor ties.

(O) Once an activity exists on the schedule it may not be deleted or renamed to change the scope of the activity and shall not be removed from the schedule logic without approval of the Officer-in-Charge. The ID number for a deleted activity shall not be re-issued for another activity;

(P) Plan for phased or total takeover/occupancy by HART;

(Q) Submit a written narrative discussing basic assumptions, detailed activities, restraints, productivity and installation rates, construction staging plans, maintenance of traffic, quantities, potential problem areas, permits, construction equipment planned, construction phases being considered, and other elements related to developing the BPS;

(R) Submit a list of anticipated non-working days, such as weekends and holidays. The schedule shall exclude in its working day calendar all non-working days on which Contractor anticipates critical Work not be performed; and

(S) Contractor shall distribute the BPS to subcontractors for review and written acceptance.
Include safety and security certification activities, including milestones indicating the completion of Conformance Checklists.

Submittal of the BPS and subsequent schedule updates, shall be understood to be the Contractor’s representation that the schedule meets requirements of the Contract and that the Work shall be executed in sequence on the schedule.

(c) **Schedule Acceptance Prior to Start of Work**

1. The Contractor shall schedule a preliminary meeting after Contract execution to discuss the proposed schedule and requirements prior to the Contractor preparing the BPS.

2. HART’s review and comments to the Contractor’s BPS shall not relieve the Contractor from compliance with requirements of the Contract. Submittal of an “early completion” schedule will not obligate HART for delay damages resulting from an event that delays the “early completion” but does not delay the Contract completion date.

3. The Contractor’s submittal of the BPS shall be a condition precedent to starting construction Work under the Contract and acceptance of the BPS shall be a condition precedent to processing the Contractor’s pay request for activities of Work items Completed.

4. Submittal of the BPS and subsequent updated Project schedules shall be understood to be the Contractor’s certification that the submitted schedule meets all of the requirements of the Contract, represents the Contractor’s plan on how the Work shall be accomplished, and accurately reflects the Work that has been accomplished and how it was sequenced (as-built logic).

(d) **Scheduling Software; Software Settings and Restrictions**

1. **Software for Scheduling.** Project schedules shall be prepared and maintained using Primavera P6 or later version as directed by HART. Importing data into P6 using data conversion techniques or third party software will be cause for rejection of the submitted schedule.

2. **Software Settings and Restrictions.**
   
   A. **Activity constraints:** Date/time constraints, other than those required under the Contract, will not be allowed, unless accepted by the Officer-in-Charge.

   B. Identify any constraints proposed and provide an explanation for the purpose of the constraint in the schedule narrative report.

   C. **Default Progress Data Disallowed:** Actual start and actual finish dates on the CPM schedule shall match the dates on the Contractor Quality Control and production reports.

   D. Scheduling calculations and out-of-sequence progress, if applicable, shall be handled through “Retained Logic,” not “Progress Override.” All activity durations and float values will be shown in Work days. Activity progress will be shown using “Remaining Duration.” Default activity type will be set to “Task Dependent.”
Baseline Project Schedule Settings and Parameters. The following settings and parameters shall be included in preparing the BPS, however, may be changed or added by HART during the term of the Contract:

(A) General: Calendars and Activity Codes should be defined or established at the “Project” level, not “Global” level;

(B) The “Time Periods” tab under “Admin Preferences” should be set as follows:
   (i) Time periods for P6 should be set to 8.0 hours/day, 40.0 hours/week, 172.0 hours/month and 2000 hours/year;
   (ii) The “Allow users to specify the number of work hours for each time period” should be unchecked.

(C) Under the “Project Level, Date” tab, set “Must Finish By” date to “Contract Completion Date.”

(D) Under “Project Level, Default” tab, set as follows:
   (i) Duration Type: Set to “Fixed Duration & Units”;
   (ii) Percent Complete Type: Set to “Physical”;
   (iii) Activity Type: Set to “Task Dependent.”
   (iv) Calendar: Set to “Standard 5 Day Workweek.” The calendar shall reflect Saturday, Sunday, Federal and State holidays, and all non-work days. Alternative calendars may only be used with the Officer-in-Charge’s approval.

(E) The “Project Level, Calculations” tab should be set as follows:
   (i) “Activity percent complete based on activity steps”: Should be checked;
   (ii) “Reset remaining duration and units to original”: Should be checked;
   (iii) “Subtract actual from at completion”: Should be checked;
   (iv) “Recalculate actual units and cost when duration % complete changes”: Should be checked;
   (v) “Update units when costs change on resource assignments”: Should be checked; and
   (vi) “Link actual and actual this period units and cost”: Should be checked.

(F) The “Project Level, Settings” should be set as follows:
   (i) “Define critical activities”; and
   (ii) Check “Total float as the longest path.”

(G) The “Work Breakdown Schedule Level, Earned Value” tab should be set as follows:
   (i) Under “Technique for computing performance percent complete,” select “Activity percent complete”;
Under “Technique for computing estimate to complete (ETC),” select “ETC = remaining cost for activity.”

(e) Required Tabular Reports

The following reports shall be included with the BPS and updated Project Schedules:

1. **Log Report:** Provide a log report that lists all changes made between the previous schedule and current updated schedules.

2. **Narrative Report:** Each entry in the narrative report will cite the respective Activity ID and Activity Description, the date and reason for the change, and the description of the change. Each narrative report shall identify and justify:
   
   (A) Progress made in each area of the Project;
   
   (B) Critical path;
   
   (C) Date/time constraint(s) other than those required by the Contract;
   
   (D) Changes in the following:
      
      (i) Added or deleted activities;
      
      (ii) Original and remaining durations for activities that have not started;
      
      (iii) Logic;
      
      (iv) Milestones;
      
      (v) Planned sequence of operations;
      
      (vi) Critical path;
      
      (vii) Cost loading;
      
   (E) Any decrease in previously reported activity earned amount;
   
   (F) Pending items and status thereof, including permits, change orders, and time extensions;
   
   (G) Status of Contract Completion Date and interim milestones;
   
   (H) Current and anticipated delays (describe cause of delay and corrective actions); and
   
   (I) Description of current and future schedule problem areas.

3. **Earned Value Report:** All listed activities shall be cost-loaded and have a budget amount. The earned value report shall include the compilation of total earnings on the Project from the Notice to Proceed to the current progress payment request. The report shall show the current budget, previous physical percent complete, to-date physical percent complete, previous earned value, to-date earned value and cost to complete on the report for each activity.

4. **Schedule Variance Control (SVC) Diagram:** With each schedule submission, Contractor shall provide a SVC diagram showing: (A) cash flow s-curves indicating planned project cost based on projected early and late activity finishing dates, and (B) earned value to date. The cash flow s-curves shall be revised when the Contract is modified or as directed by the Officer-in-Charge.
(f) **Current Project Schedule**

(1) Following the acceptance of the Contractor’s BPS, the Contractor shall monitor progress of the Work and adjust the schedule each month to reflect accurate progress. The monthly updated schedule submission shall be referred to as the current or updated Project Schedule.”

(2) The Contractor shall schedule and meet with HART (monthly) to discuss the current Project Schedule, progress of the Work, and any potential changes to the current Project Schedule. The Contractor shall submit all changes to HART for acceptance before such changes are incorporated into the current Project Schedule. Contractor shall also bring to HART’s attention the minor changes to the current Project Schedule that affect the sequences or durations. The current Project Schedule shall be updated monthly with progress (actual start dates, actual finish dates, remaining duration, and percent complete). The end of the monthly period shall be the last Friday of each month. The submission of an acceptable, Project Schedule to HART is a condition precedent to the processing of Contractor’s pay request. An acceptable, updated Project Schedule shall be submitted to HART regardless of whether a Contractor’s pay request will be submitted electronically for the given period. The Contractor shall submit the updated current Project Schedule with the Request for Payment and shall include:

(A) Time-scaled logic diagram; and

(B) Reports listed in the Section above entitled, Required Tabular Reports.

7.6.2 **Project Schedule Revisions**

(a) Updating the current Project Schedule to reflect the actual progress shall not be considered a revision to the schedule. Since scheduling is a dynamic process, revisions to activity duration, percent complete and sequence are expected on a monthly basis.

(b) Only when revisions to the Project Schedule are necessary, the Contractor shall provide to HART with a written justification including full description and reason(s) for each work activity. For revisions affecting the sequence of work, the Contractor shall provide a schedule diagram comparing the original sequence to the revised sequence of work.

(c) Pending change orders shall not be incorporated into the Project Schedule. Only after a Change Order has been approved can the changes to the schedule be made and coded as such.

(d) Schedule revisions shall not be incorporated into any schedule updates until HART has reviewed and approved the proposed changes.

7.6.3 **Time Impact Analysis; Recovery Schedule**

(a) Contractor shall submit a Time Impact Analysis (TIA) with each cost and time proposal for each proposed change. The TIA shall illustrate the impact of each change or delay on the Contract Completion Date or milestones. In addition to the limitation of delay damages provided in the Contract, the Contractor shall not be granted any time extensions or delay damages paid unless a delay occurs which consumes all available Project Float, extending the Projected Finish beyond the Contract Completion Date.

(b) If the Contractor experiences or anticipates a delay greater than thirty (30) days in a specific activity or group of activities from the BPS, the Contractor shall provide a recovery schedule for
those activities before the next payment request and provide a narrative of cause and corrective actions taken.

(c) If the Contractor experiences or anticipates a delay greater than 60 days in a specific activity or group of activities from the BPS, and if the Contractor is not able to recover the delay, the Contractor shall re-baseline the BPS and provide a narrative of cause and corrective actions taken.

7.6.4 Float

(a) Project Float is the length of time between the Contractor’s projected contract completion date (i.e., Contractor’s Early Finish Date) and the Contract Completion Date as established in the Contract.

(b) Schedule Float should not be for exclusive use or benefit of either HART or Contractor but is an expiring resource available to both parties on a non-discriminatory basis. Float shall be used by either party, as needed to meet Contract milestones and Contract completion dates.

7.6.5 Schedule of Values; Periodic Payment Schedule

(a) The Contractor shall extract from the BPS a Schedule of Values with projected monthly payment schedule for the life of the Project with a breakdown of the Price Items and Values of the Work to be provided under the Contract.

(b) The Contractor shall provide a projection of the monthly payment schedule for the life of the Project, referred to here as the Periodic Payment Schedule (PPS). The PPS should reflect the Project Schedule and the estimated value of the Work to be completed on a monthly or periodic basis. The PPS cumulative value shall not exceed the Total Contract Amount. The Contractor shall update and revise the PPS prior to the next pay request. Failure to make corrections will delay processing of the pay request and the periodic payment, and HART shall not be liable for any interest resulting from the delay.

(1) The cost-loaded BPS will provide the basis for periodic payments and will include:

(A) Costs for material/equipment paid for after installation, labor and construction equipment assigned to their respective construction activities (see “Activity Categories” above);

(B) The value of inspection/testing activities shall not be less than 10% of the total costs for procurement and construction activities (see “Activity Categories” above);

(C) The Contractor’s overhead and profit to each activity shall be evenly dispersed over the duration of the Project;

(D) Each cost-loaded activity shall have a detailed quantity breakdown and unit of measure.

(c) Contractor shall support and provide periodic special schedules as may be necessary for HART to report Contract status to the FTA.

7.6.6 Look Ahead Schedules

(a) Contractor shall prepare rolling “Look Ahead” Schedules for each weekly or bi-weekly progress meeting. Look Ahead Schedules shall be a detailed snapshot of the current Project Schedule covering the current 4-week Work Project period, including one past week, the current week, and the two weeks looking forward. The Look Ahead Schedules shall include efforts of all subcontractors and suppliers during this current period.
(b) Additionally, the Look Ahead Schedule shall include upcoming outages, closures, preparatory meetings, initial meetings, and critical path activities. The Look Ahead Schedule shall be a bar chart type schedule, maintained separately from the current Project Schedule in an electronic spreadsheet program and formatted to print legibly on 8.5” by 11” or 11” by 17” sheets. The preparatory and initial phases for each definable feature of Work shall be added to each 4-Week Look Ahead Schedule and will also be included in each monthly update. The Look Ahead Schedule shall be keyed to current Project Schedule activity numbers.

7.6.7 Data Date

(a) Contractor shall base all reports, pay requests, schedule updates on a specific date(s) in the life of the Contract upon which the defined system of reporting is to provide actual project status, and accomplishments to date.

(b) The Data Date (DD) for documents, including Contract status reports, progress measurements for payment, schedule updates, should be the last Friday of the month. The DD is also referred to as the “as-of-date” and the “time now date”.

END OF SECTION
7.7 Photographic Documentation

7.7.1 Pre-Construction Photographic Survey of Existing Conditions

(a) The Contractor shall provide pre-construction photographs that record specific details of the construction site, including details of historic properties and any other properties specified by HART.

(b) Prior to construction, the Contractor shall perform a photographic survey of all existing conditions of buildings, structures, and pavements that are within one hundred (100) feet of the Contractor’s Work areas. The Contractor shall document the survey, at a minimum, with photographs of all existing damage and cracks, along with width measurements of any cracks wider than 1/16 inch. The photographs shall be dated and referenced to locations marked on applicable plans or elevations of the area and accompanied by narrative descriptions of the damage. The photographic survey shall be transmitted to HART prior to the start of construction activities.

7.7.2 Milestones and Stages of Construction

(a) The Contractor shall take photographs of Work progression, including all construction milestones and, shall at a minimum, photograph the following stages of construction:

1. Date of initial access of all sites;
2. Before commencement of clearing and demolition;
3. Immediately upon completion of clearing and demolition;
4. Weekly during construction;
5. During and at the completion of construction milestones and major activities;
6. Upon completion of the Work.

7.7.3 Quality, Quantity and Format of Photographs

(a) Digital Photographs

1. Photographs shall be taken using a GPS enabled device which will record Geotag, longitude, latitude, elevation orientation, date, and time automatically on each digital photograph.

2. Provide the resolution quality for an 8x10-inch print at 300 pixels per inch (ppi) or a minimum resolution of 2400 by 3000 pixels.

(b) Submit into CMS digital photographs on a weekly basis in the following format:

1. Original digital files from directly from the camera. Copies of the original digital files is not acceptable

2. Converted version of photographs into Adobe Acrobat PDF files.

3. Files uploaded shall have the filename "date.time. (Contractor’s initials)." Additional pertinent information shall be included, such as the Contract number, location, date of activity, names of crew, on each photograph (pdf).

END OF SECTION
7.8 Submittal Procedures

7.8.1 General

(a) **Description:** This Section includes the general requirements and procedures for preparing and submitting construction information and data for information and review. Other requirements for submittals are specified under applicable sections of the HRTP Contract Specifications.

7.8.2 Software Requirements; Contractor Responsibilities for HART-Hosted System

(a) **Software and Computer Requirements.** HART hosts a collaborative Contract and Project Management System which consist of two software tools: 1) Oracle Primavera Contract Management System (CMS), and 2) Oracle Primavera P6 Project Management. The Contractor is required to input daily, specified documents into HART CMS, accessible via the internet. Upon Contract execution, the Contractor shall acquire CMS and provide to HART, the CMS licenses for all its designated personnel. The Contractor is also responsible for the annual CMS license renewals. Once the licenses are received by HART and the Contractor has completed HART CMS training, the Contractor shall be given access to CMS.

(1) A web browser is used to access CMS; the appropriate Java plug-in is automatically downloaded and installed, if it is not already on the computer. This process requires “Administrative” privileges to the computer, and the Contractor shall be responsible for this process. HART staff shall be available for technical advice but shall not operate, install, or troubleshoot any software or hardware of the Contractor’s that does not function as intended, or adequately, for this application.

(2) Detailed procedures, workflows and training lessons for using CMS are available in the CMSHELP software system. Except where noted, CMS should eliminate the need to manage multiple hard copies, CDs, etc. for required Contract documentation. Instead, most documents will be submitted and routed electronically with physical copies required only when copying is impractical or not possible, such as with samples, catalog cuts, or large drawings. Original documents may also be necessary when original signatures are required; otherwise, electronic transmittals and documentation shall be used.

(b) The Contractor shall use CMS in accordance with HART’s protocols to manage all documents submitted to HART, including but not limited to correspondence, transmittals, meeting minutes, requests, baselines, deliverables, daily inspection logs, payment requests, and change management documents as follows:

(1) **Submittals** – The Contractor is responsible for submitting, tracking and managing all contract submittals for its Contract using CMS. The responsibilities include creating and maintaining the submittal log and providing follow-up responses/actions to HART comments until satisfactorily resolved.

(2) **Correspondence Logs** – CMS’s Correspondence Received and Sent Logs shall serve as the repository for all correspondence generated during this project between the Contractor, HART, and other project participants. All attached files shall automatically be stored in the content repository software located on CMS, which is the designated file repository. Incoming correspondence with attached electronic files from the Contractor shall be emailed to designated HART representatives. All correspondence from HART to the Contractor shall be logged into the Correspondence Sent Log.
(3) **Requests** – The Contractor shall create and track all Requests for Information, Requests for Deviations or Requests for Changes in CMS.

(4) **Meeting Minutes** – The Contractor shall prepare and input meeting minutes for designated meetings into the Meeting Minutes log of CMS.

(5) **Construction Field Reports** - The Contractor is responsible for logging construction field reports in CMS on the next business day following the work performed. Project photographs shall be attached to the appropriate daily report as needed.

(6) **Punchlists** – The Contractor shall use the Punchlist log from CMS during the Project closeout to list all deficient work. The Contractor shall coordinate with HART to identify and rectify each item listed in the Punchlist log.

(7) **Payment Request** – The Contractor shall enter its monthly payment requests using CMS.

### 7.8.3 Submittal Requirements

(a) Unless the submittal cannot be converted to an electronic format, all submittals shall be entered into CMS. Submittal data shall be entered into the CMS submittal log using a sequential numbering system.

(b) The Contractor shall submit a spreadsheet schedule of submittals within thirty (30) days after the issuance of the NTP listing the submittals required by the Contract Documents. Submittals include, but are not limited to, shop drawings, working drawings, product data, samples, color samples, warranties, and other pertinent data required in the Contract Documents.

(1) The schedule of submittals shall include:
   (A) The description of the submittal;
   (B) Specification reference;
   (C) Intended submission and resubmission date(s);
   (D) Order release date;
   (E) Lead time to delivery and anticipated delivery date(s); and
   (F) Identifying items that require expedited review to meet the Project Schedule.

(c) **Hard Copy Delivery.** For any supporting documentation not readily convertible to electronic format, the Contractor shall provide hard copies on the same day as the electronic portion of submittal was due.

(d) **Submittal Preparation and Requirements.** Each submittal shall include a label or title block which contains the following information:

(1) Contract name and number (and Project location, as applicable);
(2) Description of submittal and date submitted;
(3) Sheet number and number of sheets included (as applicable), with consecutively numbered drawings;
(4) Name of the Contractor, subcontractor, fabricator, supplier, and manufacturer (as applicable);
(5) Name of drawing and scale (as applicable);
(6) Name and date of each revision;

(7) Indicate reference to the relevant Contract Drawings and Specification Section(s); and

(8) On each sheet, names each item submitted and indicate its location in the Work.

(e) Professional Seal Requirements

(1) If required of any submittals involving design services, when specified or required by governing codes and regulations, shall be sealed and signed by a professional engineer or architect currently licensed in the State of Hawai‘i for the specific discipline involved.

(f) Review Period

(1) The Contractor shall submit submittals at least sixty (60) days in advance of the Work related to the submittal to allow sufficient time for HART to review and accept the submittals before starting related Work, if prior acceptance is required under the Contract.

(2) The Contractor shall determine if other governmental entities, utility districts, or other relevant agencies require longer review periods. When longer review periods are required, the Contractor shall schedule submittals accordingly, so that Work and schedules are not delayed.

(g) Include only one item or a group of related items in one submittal. Do not group multiple submittal items under one transmittal form.

(h) Changes in Accepted Submittals. Changes to accepted submittals will not be allowed unless changes have been resubmitted and accepted. The re-submittal process is the same as for the original submittal.

(i) Supplemental Submittals. Supplemental submittals for corrective procedures shall contain sufficient data. Supplemental submittals shall be submitted in the same manner as initial submittals.

(j) Incomplete submittal packages will not be reviewed.

7.8.4 Contractor’s Responsibilities

(a) The Contractor shall submit proof of acceptability prior to material leaving its source such that when it is tested and inspected as placed, it will meet Contract requirements.

(b) Approvals or acceptance of a submittal by another governmental agency or utility agency shall be obtained before a submittal is sent to HART. The Contractor shall obtain non-HART approvals or acceptances in the clearest and most straightforward manner possible.

(c) Contractor’s Review of Submittals

(1) The Contractor shall review, stamp, and sign as reviewed and in compliance with Contract Documents before submission to HART.

(2) The Contractor’s review and acknowledgement shall:

(A) Ensure submittal is complete and all relevant data required is provided;

(B) Check and coordinate information in each submittal for accuracy, completeness, and compliance with Work and Contract Document requirements;
(C) Verify materials, field measurements, field construction criteria, catalog numbers, and similar data;

(D) Coordinate Work requirements to ensure submittal of one trade is compatible with other related Work submittals;

(E) Ensure products are available in quantities required for the Work; and

(F) The Contractor shall indicate any deviations from Contract Documents within the submittal, requiring approval by HART as a Contract Change.

(d) In addition to the submission into the CMS, the Contractor shall distribute accepted submittals to:

(1) Contractor/HART field office;
(2) Affected and concerned subcontractors, suppliers, and fabricators;
(3) Affected and concerned members of the Contractor’s workforce.

(e) Work Site Records. The Contractor shall maintain at Work site a complete up-to-date, organized file of all past and current submittals, including a document control system that identifies the status of each submittal.

7.8.5 Review Protocol

(a) HART review and acceptance of any of the Contractor’s submittals, including requests for Contract Change, does not relieve the Contractor from responsibility for:

(1) Errors and omissions in submittals, such as samples, mock-ups, sample panels, product data, shop drawings, calculations;
(2) Conformance with Contract requirements;
(3) Compatibility of described product with contiguous products and the rest of the system and furnishing materials of proper dimensions, quantity, and quality; and
(4) Prosecution and completion of Work in accordance with Contract Documents.

(b) HART’s review of a separate item will not constitute review of an assembly in which the item functions.

(c) The following are responses that the Contractor may receive from HART regarding its submittals:

(1) ACCEPTED;
(2) ACCEPTED AS NOTED, which indicates that:
   (A) Submittal has been reviewed by the HART and exceptions are noted. Submittal appears to conform to Contract requirements after corrections are incorporated.
   (B) The Contractor may proceed with fabrication, assembly, manufacturing, installation, application, and erection of the illustrated and described product after the corrections have been incorporated.
   (C) Submittals so marked need not be resubmitted unless the Contractor challenges the corrections.
(3) ACCEPTED AS NOTED – REVISE AND RESUBMIT, indicates that:
(A) Submittal has been reviewed and the submittal needs to be revised for one or more of the following reasons:

(i) Not enough information is provided to make a determination;

(ii) Submittal contains too many errors or omissions to make a determination;

(iii) Information provided does not conform to Contract requirements.

(B) The Contractor may not proceed with the Work represented in submittal until after the reviewer verifies that the reviewer’s corrections have been incorporated.

(C) Resubmission of submittal with corrections as noted is required.

(D) Resubmission is also required if the Contractor challenges reviewer’s corrections.

(4) INCOMPLETE, indicates:

(A) Submittal has been reviewed and the submittal is deficient. The reviewer cannot modify submittal with a reasonable degree of effort or cannot make a thorough review of submittal.

(B) Submittal needs revision and shall be corrected and resubmitted.

7.8.6 Requests for Information (RFI’s) submittal process

(a) General: Immediately on discovery of the need for additional information or interpretation of the Contract Documents, Contractor shall prepare and submit to HART an RFI in the form specified, using the CMS functionality designated for RFI’s.

(b) All RFI’s shall be submitted by the General Contractor. Any RFI submitted by any other entity, including entities controlled by the Contractor, will be returned with no response.

(c) Coordinate and submit RFI’s in a prompt manner so as to avoid delays in Contractor's work or work of subcontractors.

(d) Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the following:

(1) Project name;
(2) Project number;
(3) Date;
(4) Name of Contractor;
(5) Name of Owner;
(6) RFI number, numbered sequentially;
(7) RFI subject;
(8) Specification Section number and title and related paragraphs, as appropriate;
(9) Drawing number and detail references, as appropriate;
(10) Field dimensions and conditions, as appropriate;
(11) Contractor's suggested resolution. If Contractor's suggested resolution impacts the Contract Time or the Contract Sum, Contractor shall state impact in the RFI;

(12) Contractor's signature;

(13) Attachments: Include sketches, descriptions, measurements, photos, Product Data, Shop Drawings, coordination drawings, and other information necessary to fully describe items needing interpretation;

(14) Include dimensions, thicknesses, structural grid references, and details of affected materials, assemblies, and attachments on attached sketches; and

(15) Label RFI as Critical Path, High, or Normal.

(e) **RFI Forms:** Software-generated form with substantially the same content as indicated above, acceptable to HART.

(f) Attachments shall be electronic files in Adobe Acrobat PDF format.

(g) **HART Action:** HART or a HART representative will review each RFI, determine action required, and respond. Allow approximately 10 working days for a HART response for each RFI. RFI’s submitted in CMS after 1:00 p.m. will be considered as received the following working day.

(h) Incomplete RFI’s or inaccurately prepared RFI’s will be returned without action.

(i) HART action may include a request for additional information, in which case the HART time for response will date from time of receipt of additional information.

(j) If the Contractor believes the RFI response warrants change in the Contract Time or the Contract Sum, the Contractor shall follow the notice requirements set forth in Chapter 3 of the General Conditions.

(k) **RFI Log:** Contractor shall prepare, maintain, and submit a tabular log of RFI’s organized by the RFI number. Submit log weekly, using the software log that is part of CMS and including not less than the following:

   (1) Project name;
   (2) Name and address of Contractor;
   (3) Name and address of Owner;
   (4) RFI number including RFI’s that were returned without action or withdrawn;
   (5) RFI description;
   (6) Date the RFI was submitted; and
   (7) Date HART response was received.

(l) On receipt of HART action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify HART within seven (7) days if Contractor disagrees with response.

(m) The following Contractor-generated documents are not considered RFI’s, and are to be routed through the transmittal process as described in Chapter 7.8 of the General Conditions:

   (1) Requests for approval of submittals;
   (2) Requests for approval of substitutions;
(3) Requests for approval of Contractor's means and methods;
(4) Requests for coordination information already indicated in the Contract Documents;
(5) Requests for interpretation of submittal responses.
(6) Requests for interpretation of Architect's actions on submittals.

END OF SECTION
7.9  **Shop Drawings, Product Data, and Samples**

7.9.1  **General**

This Section provides the general requirements and procedures for preparing and submitting shop drawings, product data and samples required under the Contract.

7.9.2  **Submittals**

(a) Submit shop drawings, product data, samples and other submittals to HART.

(b) Submittals shall comply with GC Section 7.8.3.

(1) Shop drawings;

(2) Product data: including calculations;

(3) Other submittals: inspection reports, test reports, and certificates of compliance.

(4) Submit permits and licenses and other documents obtained in HART’s name.

(c) Final shop drawings and catalog cuts become HART’s property. All pages of catalog cuts shall be clear, legible, and permanent.

(d) Indicate “As Built” on final shop drawings and catalog cuts.

(e) Submittals are not a mechanism for changing the technical terms or conditions of the Contract. The Contractor shall flag any items not in strict compliance with Contract requirements. The Contractor shall be liable for all costs and damages associated or arising out of the Contractor’s changes in terms and conditions in the submittals.

7.9.3  **Shop Drawings**

(a) **Definition.** Shop drawings are detailed construction and fabrication drawings that show proposed material, shape, size, and assembly data. Drawings, diagrams, illustrations, schedules, performance charts, brochures, and other data are prepared by the Contractor, subcontractor, manufacturer, supplier, or distributor, to illustrate how specific portions of the Work are to be fabricated, installed, or both.

(b) The Contractor’s shop drawing submittals include fabrication, erection and installation, application, layout, and setting drawings, lists or schedules of materials and equipment, manufacturer’s standard drawings, wiring and control diagrams, all other drawings as may be required to show that materials, equipment, and systems, and the positions thereof, comply with Contract requirements.

(c) Shop drawings shall be completed and submitted for HART’s records not less than sixty (60) days before Work involved in such drawings commences and indicate such date on the Contractor’s Baseline Project Schedule (BPS).

(d) Shop drawings shall include details for necessary procurement, installation, maintenance and repair of Contract components or facilities equipment provided.

(e) **Drawing Format.** Typically, draw plan and section details at a scale of 1/4”=1'-0”, details at a scale of 1”=1'-0” or larger. Drawings shall contain cross reference to Contract sections, as appropriate.

(f) **Drawing Contents.** Drawing contents shall include any pertinent data as necessary in the shop drawing, including but not limited to the following:

(1) Size and thickness of members;
(2) Method of anchoring and securing parts;
(3) Quantity and location of each item;
(4) Materials and finishes;
(5) How an item fits to abutting work and requirements for related construction;
(6) Required connections;
(7) Overall size and weight;
(8) Clearances and tolerances;
(9) Verification of field conditions prior to fabrication;
(10) Other pertinent data necessary to show where and how Work is to be done; and
(11) Coordination of shop drawings and data with requirements for related construction.

(g) Use drawing symbols from one standard reference source and provide a complete symbol list that includes non-standard symbols used on the drawing.

(h) Shop drawings shall include illustrations and drawings.

7.9.4 Product Data

(a) **Definition.** Product data is standard printed information describing materials, products, equipment and systems required for some portion of the Work.

(b) The Contractor’s product data may include manufacturer-prepared descriptive literature, catalog sheets, brochures, performance data, test data, diagrams, schedules, illustrations, and other information furnished by the Contractor. Project data also includes various product and materials information from suppliers to illustrate and describe a product, material, system, or assembly.

(c) The Contractor shall modify manufacturers’ product data standard diagrams, charts, illustrations, brochures, calculations, schematics, catalog cuts, and other descriptive data to delete information not applicable to the Contract. The Contractor shall supplement standard product data, as necessary, to show conformance with Contract requirements.

(d) If the Contractor uses drawings prepared by others, such drawings may include standards and symbols that others use. However, to the greatest extent possible, the Contractor should conform to the Project submittal standards.

7.9.5 Samples

(a) **Definition.** Samples include physical examples of equipment, colors, textures, finishes, functions, configuration, and Work quality, and establish standards of quality and utility, such as:

1. Partial sections of manufactured or fabricated work;
2. Small cuts or containers of materials;
3. Complete units of repetitively-used materials;
4. Swatches showing full range of color, texture, and pattern;
5. Color range sets;
6. Units of Work to be used for independent inspection and testing; and
7. Units of Work to be used as a standard to judge materials and workmanship.
(b) The Contractor shall provide samples for items where specified and for items requiring a choice of color, texture, or finish. Samples provided shall represent the materials and workmanship standards by which to judge the completed Work for acceptance.

(c) Samples shall be sent shipping charges pre-paid.

(d) Do not use materials for which samples are required until HART has made its selection in writing.

(e) **Label.** Each sample should be labeled and include the following data:

1. Contract name, number, and location on Project;
2. Name of the Contractor;
3. Material or equipment represented, and location in the Project;
4. Name of producer, brand, trade name, if applicable, and place of origin;
5. Specification Section number and title and related paragraphs, as appropriate;
6. Drawing number and detail references, as appropriate; and
7. Date of submittal.

(f) Selection or acceptance of a sample is only for the characteristics and use named in the submittal. Selection or acceptance of a sample does not change or modify Contract requirements. Before submitting samples, the Contractor shall ensure that materials or equipment will be available in quantities required. No change or substitution is permitted after a sample has been accepted, unless such change or substitution is accepted by HART in writing.

(g) Submit to HART a list of the Contractor’s material sources in sufficient time to permit HART’s inspection and testing of materials in advance of their use, if HART so chooses.

(h) While HART has no obligation to do so, HART may take samples of materials delivered to the Project or installed in place for inspection and testing. The following standards shall apply for such sample testing:

1. Contractor shall submit three (3) of each sample item.
2. Samples taken without HART’s presence will not be used for testing.
3. Failure of samples to meet Contract requirements will annul previous acceptances of the item tested.
4. Failure of any materials to pass the specified tests will be cause for refusal to consider any further samples of the same brand, make, or source of that material.
5. HART reserves the right not to accept material which has previously proven unsatisfactory in service.
6. Inspections and tests is not a guarantee of acceptance of material which may be delivered later for incorporation into the Work.
7. Accepted samples not damaged in testing may be incorporated into the finished Work if marked for identification. Materials incorporated into the Work shall match accepted samples.

7.9.6 **Other Submittals**
(a) Provide other submittals as specified in the Contract to demonstrate compliance of equipment and materials with the Contract requirements.

(b) **Certificate of Compliance**

1. HART may permit use of certain materials prior to sampling and testing if accompanied by a certificate of compliance stating that materials involved comply in all respects with Contract requirements. The certificate shall be signed by the manufacturer of the material. In such events, a certificate of compliance shall be furnished for each lot of material delivered to the Work. The lot so certified shall be clearly identified in the certificate.

2. All materials used on the basis of a certificate of compliance may be sampled and tested by HART at any time. Acceptance of material based on certificate of compliance does not relieve the Contractor of responsibility for incorporating material into the Work that conforms to Contract requirements. Any material not conforming to Contract requirements will be subject to rejection whether in place or not.

3. HART reserves the right to refuse any use of material submitted for acceptance solely on the basis of a certificate of compliance.

**7.9.7 Changes and Substitutions**

(a) Changes in products for which shop drawings, product data, or samples have been submitted will not be permitted, unless those changes have been accepted in writing by HART.

(b) Any substitution request shall be in writing and include justification, quantities, and prices involved, quotations and other documents deemed necessary to support the request. Any savings in cost will accrue to HART. The burden of proof as to the comparative quality and suitability of substitution shall be upon the Contractor.

(c) Substitution requests will be made in a prompt manner so as to avoid delays in Contractor's work or work of subcontractors.

(d) HART may allow the substitution under the following circumstances:

1. A specified item or pre-qualified item is delayed by an unforeseeable event beyond the control of the Contractor, which would impact the timely completion of the Project.

2. A specified or pre-qualified item is no longer being manufactured or is no longer reasonably commercially available, and the Contractor was in no way responsible for any delay in procuring the item.

3. A specified or pre-qualified item is found to be unsuitable for reasons beyond the Contractor’s control.

4. When a manufacturer or supplier of a pre-qualified or specified item makes available at no increase in Contract price or Contract time a suitable item that is equal or better than the pre-qualified item or specified. The burden of proof as to the “equal or better” quality shall be the Contractor’s.
7.10 Safety And Security Compliance

7.10.1 General

(a) The Contractor assumes full responsibility for and shall give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons or property or protection from damage, injury or loss. The Contractor shall comply with all applicable Federal, State and City laws on safety and security, including Hawaii Revised Statutes (HRS) Chapter 396, relating to standards of occupational safety and health, and HRS Section 396-18, relating to safety and health programs for contractors for construction projects where the proposal is in excess of $100,000. The Contractor shall complete and submit Exhibit L, Certificate of Compliance with HRS Section 396-10, Safety and Health Program, at the time set under the solicitation documents, but prior to execution of contract.

(b) The Contractor shall be responsible for employing safety and security measures and taking all other actions reasonably necessary to protect the life, health, safety, and security of the public and to protect adjacent and HART-owned property in connection with the performance of the Work.

(c) The Contractor shall have the sole responsibility for the safety, efficiency, and adequacy of the Contractor’s plant, appliances, and methods, and for any damage or injury resulting from their failure, or improper maintenance, use, or operation. The Contractor shall be solely and completely responsible for the conditions of the Project site, including safety of all persons and property in performance of the Work. This requirement shall apply continuously, and not to be limited to normal working hours. The required or implied duty of HART to conduct construction review of the Contractor’s performance does not, and shall not be intended to, include review and adequacy of the Contractor’s safety and security measures in, on or near the Project site.

(d) The Contractor shall establish and supervise:

   (1) A safe, secure, and healthy working environment;

   (2) An accident prevention program; and

   (3) Training programs to improve the skill and competency of all employees in the field of occupational safety and health.

(e) The Contractor shall maintain at its Project site office or other well-known place at the Project site, all articles necessary for providing first aid to the injured. The Contractor shall establish, publish, and make known to all employees, procedures for ensuring immediate removal to a hospital, or doctor’s care, persons, including employees, who may have been injured on the Project site. Employees should not be permitted to work on the Project site before the Contractor has established and made known procedures for removal of injured persons to a hospital or a doctor’s care.

7.10.2 Construction Safety and Security Plan (CSSP)

(a) HART has prepared a Construction Safety and Security Plan (CSSP) to provide risk management criteria to reduce the risk of occupational injuries, illnesses, property damage and fatalities during the construction operations. The CSSP, as amended, is incorporated by reference as a part of the Contract Documents.

(b) The CSSP establishes the minimum acceptable requirements and procedures for the Contractor and its subcontractors at all tiers. Under the CSSP, the Contractor is required to develop a Contractor Health and Safety Plan (CHASP), which describes the Contractor’s program and policies’ compliance with Hawaii Administrative Rules §12-110 or §12-60 written safety and health program criteria. The CHASP shall be submitted to HART for informational purposes only.
(c) The Contractor shall provide a Contractor Site Safety and Security Plan (SSSP) in accordance with the CSSP. HART’s acceptance of the Contractor’s SSSP shall not relieve the Contractor of its duties and responsibility to comply with the local, state and federal laws and standards.

7.10.3 Safety and Security Certification Plan (SSCP) and Process

(a) HART has prepared a Safety and Security Certification Plan (SSCP) based on the guidelines established by the Federal Transit Administration (FTA) - (FTA Handbook for Transit Safety and Security Certification, Final Report, November 2002, DOT-VNTSC-FTA-02-01) (FTAH). The HART SSCP defines how safety and security certification will be managed for the Project. The HART SSCP is incorporated by reference as part of the Contract Documents.

(b) The Contractor shall implement and successfully complete safety and security certification in compliance with FTA’s latest handbook FTAH and further defined in the most current HART SSCP. The preliminary Certifiable Elements List (CEL) and Certifiable Items List (CIL) will be provided to the Contractor upon request. As a part of the certification process, the Contractor’s duties include, but are not limited to the following:

1. Facilitate, as needed, safety and security certification progress and review meetings, including scheduling and providing meeting minutes;

2. Develop safety and security analyses for safety and security certifiable elements and items;

3. Resolve any identified safety hazards and security vulnerabilities;

4. Provide Field Verification of the CEL/CIL showing that the Contractor has met the requirements of the base conformance CIL line item checklist, Contract Specification Conformance, and Testing Verification Conformance of the CIL which shall be completed and signed at each phase showing that each certifiable item meets conformance at all phases for HART Safety and Security Certification Program; and

(c) The safety and security certification process for each certifiable element is not complete until conformance checklists are completed, signed, and submitted by the Contractor and approved by HART’s Safety and Security Review Committee. Additional requirements for the safety and security certification are detailed in the HART SSCP.

7.10.4 Sensitive Information Procedure

(a) The Department of Transportation (DOT) regulation “Protection of Sensitive Security Information,” 49 CFR part 15, specifies that each recipient must control the release of “sensitive security information” (SSI). DOT published “Interim Policies and Procedures for 49 CFR part 15, Protection of Sensitive Security Information” on June 7, 2005. These DOT policies and procedures apply to all DOT employees and to all DOT contractors, recipients, consultants, licensees, and regulated entities that have access to or receive SSI. Following this DOT guidance, FTA requires recipients with major capital projects covered by 49 CFR part 633 to document or reference their procedures for managing SSI materials in the SSMP. These procedures extend to any contractors involved on the project, to ensure that all project documents are maintained in a secure manner while in the possession or control of contractors.

(b) Contractors are required to adopt and implement the most current HART SSI Plan.

END OF SECTION
7.11 Quality Assurance

7.11.1 General

(a) The Contractor is responsible for complying with the Quality Assurance (QA) requirements as set forth herein, its Quality Assurance Plan (QAP), and the Contract Documents. Requirements include implementing and maintaining a quality program that will define how Work is to be performed and controlled, and who is responsible to ensure that the Contractor’s Work meets Quality Assurance requirements.

(b) HART’s Quality Management Plan:

(1) HART has in place its own Quality Management Plan (QMP) for the Honolulu Rail Transit Project. The QMP is founded on accepted concepts and processes recognized by the American Public Transportation Association (APTA) and Federal Transit Administration Quality Assurance/Quality Control Guidelines (FTA-IT-90-5001-02.1 February 2002 Issue) (hereafter, “FTA QA/QC Guidelines”), which have been successfully utilized in other public transit projects.

(2) The QMP objective is to ensure that the Project is procured and constructed according to established engineering, safety, security, and quality requirements. These requirements provide controls for procurement, construction, testing, and inspection that result in quality products necessary for a safe, secure, and reliable transit system operation.

7.11.2 Contractor’s Quality Assurance Plan (QAP) Requirements

(a) The Contractor shall complete its Quality Assurance Plan (QAP) within thirty (30) days from the NTP and provide the same to HART for HART’s files and records. Work shall not commence without a completed QAP, except where specific prior activities are required and the Contractor has provided a specific quality plan for such specific prior event and HART has approved the activity.

(b) The Contractor shall be responsible for its own analysis of its quality program and that it meets the requirements of the FTA QA/QC Guidelines and HART’s QMP.

(c) The QAP shall include a quality policy and a statement by the Contractor’s duly authorized officer, committing the Contractor’s support and responsibility, including, but is not limited to the following:

(1) The Contractor’s management commitment to quality and assignment of resources necessary to complete the Project’s scope of Work to satisfy the Contract Specifications and requirements;

(2) The Contractor naming the personnel who will specifically undertake QA and QC activities; and

(3) Quality procedures will be implemented.

(d) The Contractor’s personnel directory and organizational chart showing all key personnel shall be included in the QAP. See GC Section 7.5, Character of Workers and Key Personnel.

(e) Quality elements that shall be included as a part of the Contractor’s QAP are:

(1) Management responsibility and support of the quality program:

(A) Establish an organization chart showing the interrelationships between the Contractor and its subcontractors, other supporting organizations, and
permitting review agencies. Clearly establish and delineate organization structure, levels of authority, and lines of communication for activities affecting quality.

(B) Identify Quality personnel with the authority, independence, and responsibility to evaluate and ensure that the QAP is correctly and effectively executed. Where problems are identified, Quality personnel shall have authority and organizational freedom to initiate, recommend, and provide solutions.

(C) Establish an organizational “checks and balances,” with production and operation components separate and independent from quality. The procedures should include requirement of close coordination and communication between the two sides for effective on-site operation.

(2) Documented Quality Management System:

(A) Establish and maintain a documented quality management system to ensure that the Project quality objectives are satisfied.

(B) Establish requirements, including procedures and work instructions for activities and work being performed that affect quality in construction, installation, and control of processes, including inspection, testing, disposition of nonconformance’s, corrective action, maintenance of quality records, quality audits, and training.

(C) Have in place regular management assessment on the adequacy of the QAP to ensure effective implementation and continuous improvement.

(3) Design Input:

(A) Describe procedures for communication between the Contractor and the Designer of Record for input on the field design, including requests for information and field design changes. The Contractor’s design input communication is to be made to HART, who will pass through the communication to the Designer of Record.

(B) Describe procedures for preparation of as-built documents to be submitted at the end of the Project in accordance with the submittal procedures set forth in this Contract.

(4) Document Control:

(A) Establish procedures utilizing HART’s CMS for control of Project documents and data to ensure that all relevant documents are current and available to HART.

(B) Include the procedures for issuance, approval, distribution, retention, and maintenance of drawings, specifications, reports, procedures, and other Project documents applicable to construction in accordance with submittal requirements under this Contract. The Contractor’s procedures shall not conflict with the procedures required by HART.

(C) Include and identify control documents that specify quality requirements or prescribed activities affecting quality to ensure that correct documents are being employed.
(D) Include procedures to identify, label, and store obsolete documents in such a manner that there is no confusion as to their use for the Project.

(5) **Purchasing:**

(A) Ensure that subcontractors and suppliers are competent, reliable, and qualified.

(B) Clearly specify the purchasing requirements, including relevant standards, drawings, specifications, process requirements, inspection instructions, approval criteria for materials, processes, and products, and Buy America requirements.

(C) Ensure that the review and approval of purchasing documents are by authorized personnel for adequacy of specified requirements prior to release.

(D) Include a procurement control process, procedure, or both to ensure that purchased materials, machinery, equipment, and services are handled, shipped, delivered, stored, cleaned, and preserved to prevent damage, deterioration, or loss.

(E) Include a procurement control process to ensure construction, materials, machinery, and equipment are procured according to the Contract and quality requirements.

(F) Define a process for Contract review, to ensure that Contract requirements are understood and disseminated to the appropriate Contractor’s project management staff responsible for the Work.

(G) Prepare and review procurement documents to include technical, quality, and commercial requirements.

(H) Monitor and evaluate performance of subcontractors and suppliers performance to ensure compliance with Contract Documents. Maintain procurement records of the Contractor, subcontractors, and suppliers.

(6) **Product Identification and Traceability:**

(A) Establish procedures that ensure that materials, parts, and components are properly identified, traceable, and controlled.

(B) The procedures must, at minimum, comport to the Contract requirements regarding product identification and traceability, including maintaining identification by part number, serial number, bar code, or other appropriate means either on the item or on records traceable to the item as required throughout fabrication or construction of the item.

(C) The established procedures in place shall be utilized to prevent nonconforming work, materials, parts, or components from being incorporated into final products.

(7) **Processes Control:**

(A) The Contractor shall identify and plan the production and installation processes that directly affect quality, including but not limited to construction, manufacturing, installation, and testing, to ensure these processes are performed under controlled conditions.
To achieve accuracy and consistency in production and installation processes, the quality control shall provide for:

(i) Documented procedures and work instructions, where needed;
(ii) A suitable work environment by qualified or authorized individuals; and
(iii) The Contractor’s procedures shall include continuous monitoring during production and installation to ensure conformity with documented procedures and Contract requirements, in particular, during special processes, such as welding, heating treating, non-destructive testing, where the results will impact quality of the final product, but where inspection after the fact may not reveal the deficiencies.

Ensure that work is performed in proper sequence.

8) Inspection and Testing:

(A) The Contractor shall have in place inspection and testing procedures to verify quality with emphasis in the following areas: Items or work affecting safety; items that affect systems reliability; items that affect service life; long lead time items or custom manufactured items, high visibility areas; Buy America requirements, and ADA compliance items. Such procedures shall be implemented and executed.

(B) Inspections and testing shall be performed for the entire duration of the Contract in accordance with the documented procedures to ensure compliance with Contract requirements and product specifications. The Contractor’s inspection and testing procedures shall not conflict with inspection and testing requirements set forth in the Contract.

(C) Records shall be maintained of the inspections and tests to provide evidence that the product has passed inspection and test and conform to the acceptance criteria.

9) Inspection, Measuring, and Test Equipment:

(A) Inspection, measuring, and test equipment, such as tools, gauges, instruments, and software, shall be identified, controlled, timely calibrated, properly maintained, and updated, in accordance with national, manufacturer, or certifying agency standards.

(B) All testing equipment must be calibrated prior to its use on the Project.

(C) Document records of calibration status. Identify and mark equipment to indicate calibration status.

10) Inspection and Test Status:

(A) The Contractor shall establish a process to monitor the inspection and test status of work being conducted so as to ensure that only work that has passed the required inspections and tests is accepted. Examples of ways to monitor test and inspection status may be by markings, stamps, tags, labels, routing cards, inspection records, test software, physical location, or other suitable means. The status identification shall indicate the conformance or nonconformance with regard to inspections and tests performed.
(B) At a minimum, the status of completed, tested and inspected construction should be kept as an ongoing record in the daily inspection reports. Nonconforming materials or construction should be recorded with location noted on inspection reports or nonconformance reports as applicable.

(11) **Nonconformance:**

(A) The Contractor shall establish procedures to maintain control of nonconforming work to ensure that nonconforming conditions, processes, parts, materials, and components are not incorporated into the final product.

(B) Identify, document, and evaluate nonconforming work or processes to determine appropriate disposition for the nonconforming items.

(C) Procedures shall include properly identifying and segregating nonconforming items from conforming items while awaiting disposition.

(D) All nonconforming items shall be reported for immediate disposition and corrective action.

(E) Disposition of nonconforming work shall be documented. Reworked or repaired work shall be re-inspected in accordance with documented procedures.

(12) **Corrective Action:**

The Contractor shall establish corrective action procedures that include procedures for investigating the cause of nonconforming items; the corrective action needed to prevent recurrence; ensuring that conditions adverse to quality are promptly identified and corrected; initiating preventative actions to deal with problems on a level corresponding to the level of risk; ensuring that the corrective actions are taken and that they are effective; and implementing and recording changes in the procedures resulting from corrective action.

(13) **Quality Records:**

(A) The Contractor shall establish and use procedures to ensure that all quality-related documents and evidence are properly accumulated, maintained, organized, and protected.

(B) Properly identify, control, and store all documents in a well-defined location.

(C) Include supplier, and subcontractor quality records when pertinent.

(14) **Quality Audits:**

(A) The Contractor shall establish an internal audit to ensure that its quality program is being implemented as intended and in compliance with the QAP.

(B) The procedures shall include a plan and schedule of audits, with frequency of the audits based on the status and importance of the activity being audited.

(C) The Contractor shall ensure that audits are performed by qualified personnel in accordance with a prepared checklist.

(D) The Contractor shall ensure all audit results are documented and reviewed by management responsible for the area being audited.
(E) The Contractor shall ensure that follow-up actions and verification, including re-audit of deficient areas, are performed.

(15) **Training:**

(A) The Contractor shall establish and maintain procedures for identifying the training needs and providing training for all personnel performing activities affecting quality to ensure that only qualified personnel perform activities affecting quality and their qualifications are maintained. The bases for qualifications are appropriate education, training, and/or experience.

(B) The Contractor shall maintain records showing appropriate training and qualifications.

### 7.11.3 Construction Quality Management

(a) Project Construction Quality Management is the responsibility of the Contractor.

(b) The Contractor shall include procedures regarding construction activities in the Contractor’s QAP to ensure that:

(1) Adequate resources are available (e.g., construction, manufacturing plants, equipment, fabricators, erectors, machinery, storage facilities, and approved materials) to perform the Work;

(2) Project organizational aspects are appropriate, and that the workers are proficient, trained, and qualified, especially where different organizations are involved (e.g., project management, subcontractors, vendors, and quality assurance, including inspection, testing, and quality control).

(3) Contract Specifications and requirements, all relevant statutory requirements, permits, and Work Plans are fully understood.

(4) Latest approved revision of the Contract Documents, procedures, and instructions are kept in areas where Work is being performed.

(5) Environmental conditions for accomplishing the Work are suitable and prerequisites for any given Work have been satisfied.

(6) Appropriate implementing process and control procedures and Work Plans are established to ensure quality of construction, including QC requirements for each construction activity.

(c) **Quality Plan Revisions and Updates:** The Contractor shall revise and update the QAP as the Work progresses. For purposes of HART maintaining complete documentation, the Contractor shall provide to HART, the revised QAP, no later than thirty (30) days prior to the commencement of the Work to which the revision applies.

(d) **Quality Team Organization (Key Personnel):**

(1) The Contractor shall, at a minimum, identify its Project Principal, Project/Construction Manager, Superintendent, Quality Manager, and Safety and Security Specialist. See GC Section 7.5, Characters of Workers and Key Personnel.

(2) The Contractor’s Executive Management shall review the QAP at defined intervals to ensure continuing suitability and effectiveness in satisfying requirements of the
Contractor’s QAP and the FTA QA/QC Guidelines and its stated quality policy and objectives. Records of the review meetings shall be maintained as Quality records.

(3) The Contractor’s Quality Manager is responsible for managing and administering the accepted QAP, including the Inspection and Testing Plan (ITP) (see below).

(4) The Contractor’s Quality Manager is responsible for performing QC activities (see GC Section 7.13, Quality Control) during construction in accordance with the established QA requirements and procedures.

(e) **Inspection and Testing Plan (ITP):** The Contractor shall prepare an ITP to be submitted to HART for its files and records, that shall, at a minimum, include the following:

1. List inspections, special instructions and tests to be performed.
2. Identify the Contract Specification paragraph containing the inspection or test requirements.
3. Identify who is responsible for each test: Contractor, subcontractor, supplier, or manufacturer.
4. Identify schedule of inspections and tests.
5. Identify independent test laboratories.
6. Identify the characteristics to be inspected, examined, and tested at each activity point.
7. Specify inspection and test procedures and acceptance criteria to be used.
8. Identify inspection checklists and test reports.
9. Identify the Contractor’s and HART’s witness and hold points.

END OF SECTION
7.12 Field Samples and Mock-Ups

7.12.1 Field Samples and Mock-Ups

(a) The Contractor shall prepare field samples and mock-ups at the Project site as specified in the various sections of the Contract Specifications. The Contractor shall:

(1) Construct and provide fields samples and Project site mock-ups at designated Project site locations or on the structure as ordered by HART.

(2) Have product manufacturers inspect and approve field samples and mock-ups that involve their materials. Proper application or installation of the materials shall be according to their respective instructions and recommendations for the conditions or circumstances involved in the application or installation.

(3) Make arrangements with the respective product manufacturers to provide job or field services when providing field samples or providing mock-ups.

(b) Contractors shall provide as many additional samples and mock-ups as may be required, until desired features, textures, finishes, and colors are obtained. Accepted samples and mock-ups shall serve as the standards of quality for the various affected units of Work.

(c) Preserve accepted field samples and mock-ups for comparison purposes until the affected Work is completed and accepted by HART. Finished Work shall match the accepted field samples and mock-ups.

7.12.2 Nonconformance

(a) Contract shall adhere to and follow the nonconformance requirements and procedures specified in the QAP.

(b) Completed Work that does not adequately match accepted field samples and mock-ups will be rejected. HART will not pay for replacement of such Work that does not exactly match the accepted field samples and mock-ups.

(c) Work started before HART has accepted the field samples or mock-ups shall be at the Contractor’s risk of having the Work rejected by HART without compensation.

7.12.3 Removal After Completion

(a) Remove field samples and mock-ups from the Project site and structures after completion and acceptance of the affected Work, or as otherwise ordered by HART.

END OF SECTION
7.13 **Quality Control**

7.13.1 **General**

(a) The Contractor is required to implement and maintain a quality program that defines how the Work is to be performed and controlled and is responsible to ensure that the Work meets Quality Control (QC) requirements for each construction activity and that the Work is performed in accordance with the accepted Quality Assurance Plan (QAP), which includes quality control procedures and process for control testing, and documentation of records.

(b) The Contractor’s Independent Testing Laboratory: the Contractor shall submit within thirty (30) days after the effective date of the NTP, the name, qualifications, and experience of the Contractor’s Independent Testing Laboratory and all subcontracted Testing Laboratories.

7.13.2 **Contractor’s Construction QC**

(a) The Contractor shall hold preparatory construction planning meetings (pre-activity or pre-installation meetings) before the start of a definable feature of Work. The purpose of the meetings is to verify that the working drawings, design drawings, technical specifications, and other construction documents are the most current version; that relevant submittals are approved and understood; that necessary materials and equipment are on hand; that personnel are certified, prepared, and understand the requirements and procedures necessary to perform the Work; and that QC inspections and tests to be performed during the Work are established and documented; and that inspections and test procedures and pass/fail criteria are clearly identified.

(b) The Contractor’s Construction QC requirements shall be prepared for each construction activity as a part of the QAP. The Construction QC includes, but is not limited to, the following elements:

1. Requirements of the QC of all Work
2. Training and qualifications of QC personnel
3. Subcontractor QC controls
4. Installation, inspection, examination, and test control
5. Control of measuring and testing equipment
6. Materials control
7. Supplier and vendor controls
8. Control of nonconforming items (controls for nonconforming items?)
9. QC documentation and records control
10. Special process control

(c) Prior to the Contractor’s completion of its QAP, the Contractor may prepare and provide to HART for its files, specific Quality Plans for these early activities prior to their commencement. Such plans may be subsequently incorporated as a part of the overall QAP.

(d) The Contractor’s QC activities during construction shall include:

1. **Inspection and Testing** (see 7.13.4 below)
2. **Field-Test Materials**: Provide QC sampling and testing to confirm that furnished materials are of quality specified, and furnish quality level analysis during production when required by the QAP, Inspection Testing Plan (ITP), and/or Contract
Specifications. The Contractor shall provide written notification to HART of any deviation from sampling and testing methods and frequencies specified in the QAP, ITP, or the Contract Specifications.

(3) **Non Field-Tested Materials:** Materials that are not field-tested materials shall conform to Contract Specifications and requirements. For non field-tested materials, the Contractor shall provide Quality compliance documents, including the Certificate of Compliance. Quality compliance documents include test results, certifications, quality compliance certificates, and equipment list and drawings. The Contractor shall accept non-field-tested materials for use according to the QAP, ITP, and Contract Specifications.

(4) **New Materials and Equipment:** Install new materials and equipment for permanent construction. For any material for which no specification is provided, use the highest quality of its class or kind. For purposes of this subsection, “new” is defined as unused material purchased specifically for this Project.

(5) **Handling, storage and shipping shall be conducted in a manner that prevents damage, deterioration or theft, such as, storing hardware and materials in designated controlled areas (for example, stock rooms, environmentally controlled rooms, and segregated areas) in a manner that facilitates accountability.**

(6) **Special Inspection (See 7.13.4(e) below)**

### 7.13.3 Contractor’s QC Representative

(a) The Contractor shall provide HART the name and contact details of the Contractor’s QC Representative, who will be monitoring the quality of construction activities. The Contractor’s QC Representative shall be able to provide such oversight of the Work free from pressure of costs, construction scheduling and production. The Contractor’s QC Representative’s duties include performing quality verification and audits, which shall identify and record non-conforming items, processes, or conditions. The Contractor’s QC Representative shall have the authority to initiate corrective action processes and verify that effective implementation of corrective action is in place. The Contractor’s QC Representative’s duties also include training employees, so that their roles are performed effectively and initiating preventive actions to avoid potential nonconformance.

(b) The Contractor shall submit within fifteen (15) days after the effective date of the NTP, the name, qualifications and experience of the Contractor’s proposed QC Representative. HART has the right to reject the proffered QC Representative, and the Contractor must resubmit another candidate within fifteen (15) working days of HART’s rejection.

### 7.13.4 Contractor’s QC Inspection and Testing

(a) The Contractor shall perform QC inspection or testing of materials prior to delivery from a manufacturer or during construction, as often as necessary to ensure compliance with Contract requirements. Tests include, but are not limited to, soils compaction test, load test, concrete tests during placement, concrete strength test, pipe leakage tests, and other tests as specified in the various sections of the Contract Specifications.

(b) In conducting Quality inspections and tests, the Contractor’s responsibilities and requirements include, but are not limited to:

1. Assuming full responsibility for quality control testing and giving HART sufficient notice to witness tests;
(2) The Contractor’s inspectors inspecting all construction processes, procedures, and workmanship. Inspection includes observations and measurements specified in the QAP and the Contract Documents;

(3) The Contractor shall define the testing requirements utilized in the QAP and ITP. Methods utilized for testing shall be supported by a recognized national organization and based on the most current testing standards. The Contractor shall use the latest, most current Contract Specification in effect on the day a test is performed, unless otherwise directed. Self-certifications will not be accepted.

(4) The independent testing firm hired by the Contractor shall be a certified testing laboratory, which conducts field-tested materials using testing laboratories that are nationally recognized for applicable tests.

(5) The Contractor shall submit the name, address, and qualifications of the proposed independent testing firm, together with the scope of proposed testing services, to HART at least thirty (30) days prior to scheduled commencement of any Work involving such testing. Should the Contractor desire to use more than one firm for quality control testing, the Contractor shall submit required information for each proposed firm; and

(6) Throughout the term of the Contract, the Contractor shall ensure that the certification of the laboratories is at all times valid and current.

(c) **Test Reports:** The Contractor shall submit test results to HART within five (5) days after completion of testing performed by or for the Contractor. The following information shall be included as part of test reports:

(1) Actual test results compared with Contract requirements and identification of all nonconforming items.

(2) Calibration certificate for measuring and testing equipment.

(d) **Manufacturer’s Certificates of Compliance:** The Contractor may use certificates of compliance for certain materials and products in lieu of specified sampling and testing procedures. However, HART reserves the right to refuse use of certain materials on the basis of certificates of compliance. HART will accept manufacturer’s certification furnished by the Contractor on items of materials and equipment incorporated into the Work, but only to the extent that such items are in full compliance with Contract requirements. HART’s acceptance of the manufacturer’s certification of compliance does not relieve the Contractor of its obligation to satisfy the Contract Specifications and requirements. A manufacturer’s certificate of compliance must meet the following requirements:

(1) Original certificates must be submitted. An authorized representative of the producer or manufacturer shall sign certificates and state that the material complies with the Contract requirements. The certificates shall include the Contractor’s name and address, project name, and location.

(2) Certificates must identify materials or equipment being certified and include information that is specified for submittals in the General Conditions. Certificates must also identify:

(A) Referenced standard as applicable;

(B) Name and address of organization performing the tests;

(C) Date of tests and quantity of material shipped; and
(D) Date(s) of shipment or delivery to which certificates apply.

(3) Along with the certificate of compliance, the Contractor shall provide a certified copy of test results.

(4) Materials used on the basis of a certificate of compliance may be sampled and tested by HART at any time. Use of a certificate of compliance does not relieve the Contractor of its responsibility for incorporating material in the Work that conforms to requirements of the Contract. Any material not conforming to requirements will be subject to rejection, whether in place or not.

(e) **Special Inspection:** The Contractor shall retain a qualified, independent, third party Special Inspector to perform special inspections, including but not limited to that required in Chapter 17 of the International Building Code for performing special inspections. The Special Inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of HART, for inspection of the particular type of construction or operation requiring Special Inspection.

7.13.5 HART Inspections and Tests

(a) HART will perform Independent Assurance (IA) or verification testing of field-tested materials using independent testing laboratories in coordination with the Contractor’s testing laboratories performing QC testing of materials. Testing laboratories will be either HART’s Testing Laboratory or HART-contracted independent testing laboratories.

(b) HART may perform inspections and tests as necessary to determine the Contractor’s compliance with Contract requirements. HART may perform additional inspections and tests as it deems necessary to verify compliance with Contract requirements.

(c) Surveillance Inspection: HART may review, observe, or inspect Contractor personnel, material, equipment, processes, and test results performed at random or at selected stages of construction operations.

(1) HART surveillance inspection does not take the place of Contractor’s quality programs or assume any responsibility for such programs or quality of Work. The Contractor’s quality program specifies requirements for inspections and necessary documentation to ensure that acceptable quality has been achieved, including quality of Work performed by subcontractors.

(2) The Contractor shall provide access to the Work and furnish HART reasonable facilities for obtaining information as may be necessary to be fully informed of quality and progress for the Work.

(3) Materials Testing: HART may perform materials testing to examine, test, or analyze, sample products or workmanship including, when appropriate, raw materials, components, and intermediate assemblies.

(d) The Contractor shall provide such facilities and assistance as the testing laboratory may require for obtaining necessary samples.

(e) HART may impose inspection witness and hold points to verify compliance to Contract Documents during all phases of Work. The Contractor shall not proceed with Work until each witness and hold point has been released by HART. HART inspections do not relieve the Contractor from performing Contract-required inspections and internal in-process and final inspections and compliance with Contract requirements.
(f) The Contractor shall be responsible for all re-testing’s if the inspection and testing show that the Work or materials are not compliant with Contract Specifications.

(g) Covered Work Areas:

(1) If a portion of the Work area is covered, contrary to the request of HART or to the requirements specifically expressed in the Contract, the area must be uncovered for inspection and be replaced at the Contractor’s expense without change in cost or Contract time.

(2) If a portion of the Work has been covered which HART has not specifically requested to inspect prior to its being covered or is not expressly required by the Contract to remain uncovered for inspection, HART may request to see such Work, and it shall be uncovered by the Contractor. If such Work is in accordance with the Contract, costs of uncovering and replacement shall, by appropriate change order, be charged to HART. If such Work is not in accordance with the Contract, the Contractor shall pay such costs, unless the condition was solely caused by HART.

(h) If Work is not in accordance with the Contract, the Contractor shall promptly correct the Work rejected by HART for failing to conform to the requirements of the Contract, whether or not fabricated, installed or completed. The Contractor shall bear all costs of correcting such rejected work, including additional testing and inspection and compensation for any consultant services and expenses incurred by HART.

(i) The Contractor shall remove from the site, portions of the Work, which are not in accordance with the requirements of the Contract Documents, and are neither corrected by the Contractor nor accepted by HART.

(j) The Contractor shall bear the cost of correcting destroyed or damaged construction, whether completed or partially completed, of HART or other contractors caused by the Contractor’s correction or removal of Work that is not in accordance with the requirements of the Contract.

(k) Nothing contained herein this Section shall be construed to establish a period of limitation with respect to other obligations which the Contractor might have under the Contract.

7.13.6 HART QC Audits

(a) HART may perform quality control audits of the Contractor’s, subcontractors’ or suppliers’ quality records and performance. The Contractor shall ensure that all quality control records and work locations are open and available to HART for inspection.

(b) The Contractor, subcontractor, or supplier who is being audited shall be available during the HART audit as requested.

(c) Any deficiencies or nonconforming items identified during the audit will be documented in a Non-Conformance Report (NCR). The Contractor shall remedy all items included in the NCR until written notification by HART that the NCR is closed. An open NCR shall preclude Substantial Completion, closeout of the Contract, and payment to the Contractor for milestones associated with the NCR items, including final payment.
7.14  Temporary Utilities

7.14.1  Temporary Utilities

(a) The Contractor shall determine temporary utility services needed to prosecute the Work, including HART and Contractor construction field facilities, and make arrangements and connections with utility companies for such services.

(b) The costs incurred for obtaining permits and payment of any connection and usage fees required for installation and usage of temporary utility services described herein shall solely be the responsibility of the Contractor.

(c) **Temporary Electrical Service:** The Contractor shall ensure that temporary electrical power is provided for the Project to facilitate construction operations. The Contractor shall:

   1. Provide terminations for each voltage supply complete with circuit breakers, disconnect switches, and other electrical devices, as required, to protect the power supply system.

   2. Furnish, install, and maintain a temporary lighting system as required by the building trades installed as specified in Occupational Safety and Health Administration (OSHA) requirements to comply with safety and security requirements. Provide temporary lighting system for illumination in all areas.

   3. Install all temporary equipment and wiring for power and lighting as specified in the applicable provisions of the governing codes.

   4. Provide power centers for electrically operated and controlled construction facilities, including tools, equipment, testing equipment, and interior construction lighting, and ventilation equipment. Locate power centers so that power is available at any desired point with no more than 100 feet extension.

   5. When the permanent electrical power and lighting systems are in operating condition, they may be used for temporary power and lighting for construction purposes if accepted by HART.

   6. Submit a plan of proposed falsework lighting installations.

(d) **Temporary Water Service:** Furnish water necessary for construction purposes and ensure continuous water supply to the Project site for emergencies. The Contractor shall:

   1. Make temporary connections to existing mains.

   2. Provide temporary meter and make all arrangements and pay charges for the temporary water service including cost of installation and maintenance thereof.

   3. When the permanent water supply and distribution system has been installed, it may be used as a source of water for construction purposes if accepted by HART. Provide all water necessary for construction purposes. Make all temporary connections to existing mains; provide temporary meter; and make arrangements and pay for the temporary water service, including cost of installation, maintenance thereof, and water used. Furnish drinking water with suitable containers and cups. Drinking water dispensers shall be conveniently located in the building where Work is in progress.

   4. When a permanent water supply and distribution system has been installed, it may be used as a source of water for construction purposes, provided that the Contractor (1) obtains the approval of the Engineer of Record, (2) assumes full responsibility of the
entire water distribution system, and (3) pays costs for operation, maintenance, and restoration of the system, including the cost of water used.

(e) **Temporary Sanitary Service:**

1. Sanitation facilities for the use of employees on the work site shall be provided and maintained by the Contractor and their exclusive use strictly enforced. These facilities shall comply with the requirements and regulations of the State, Department of Health.

2. The Contractor’s sanitation facilities shall be located so that they are as inconspicuous as possible to passing motorists and the facility users.

3. The facilities shall be adequately supplied with toilet paper, paper towels, and related supplies.

4. In parks and other sites where there are comfort stations and/or public facilities, the Contractor will not be required to provide sanitation facilities, but only if the use of the facilities is for fifteen (15) employees or less. The Contractor shall be responsible to keep the City facilities used by its employees clean and respectable.

5. Use of sanitary facilities in adjacent commercial buildings, tenant areas, or other private facilities is not permitted, unless other arrangements are made by the Contractor.

6. At completion of the Work, the Contractor shall disinfect and remove sanitary facilities from the Project site.

(f) At the completion of construction Work, the Contractor shall remove all materials and equipment involved with temporary utility services as part of final cleanup, except as otherwise required by the Contract Documents. The Contractor shall restore the premises used for temporary utility services to existing conditions, or better.

**END OF SECTION**
7.15 Construction Facilities

7.15.1 Construction Facilities

(a) The Contractor shall maintain for the duration of the Contract, a permanent place of business within Oahu, where the Contractor may be served notice and legal process. Written notice may also be served with the Contractor on the Project site personally or via fax, email, or the local post office address or post office box.

(b) The Contractor shall pay for all office and other building space, facilities, and equipment required to meet the requirements of the Contract, including providing an office space in the Contractor’s field office(s) for HART’s use and construction parking.

(1) The presence or absence of a HART representative for the field office shall not result in the waiver of any requirements of the Contractor; nor shall any act, statement, or omission by a HART representative constitute or be deemed a change.

(c) In making arrangements, the Contractor shall:

(1) Locate the Contractor’s project management staff in close proximity to HART’s project management staff.

(2) Provide facilities for key personnel to be present in the local office so that they may be available to HART and the Project, whenever required.

(3) Locate the field office in close proximity to the Project. Location to be approved by HART.

(d) Facilities and Space Requirements: The field office(s), where HART will be provided office space, shall have in place all utility connections and supply, including domestic water, filtered drinking water, electricity, telephone, and sewer. It shall be the Contractor’s responsibility to pay for all costs in providing and supplying temporary utility services until at least thirty (30) days after Final Acceptance or after facilities are no longer needed by HART, whichever is earlier.

(e) The field office shall be in good repair and in a clean and sanitary condition and available for occupancy as specified.

(f) The Contractor shall secure the sites, obtain all site permits, install, set up, provide utility services, and maintain the facilities as part of the Work. The facilities shall meet local code requirements for office space and comply with the requirements of the Land Use Ordinance of the City and County of Honolulu, relating to Special Permit Use, and ADAAG requirements.

(g) The field office shall have at least two exits from each building or trailer. Entrance to the offices shall be secured with a door lock plus a dead bolt lock.

(h) All interior spaces shall have overhead lighting that meets OSHA and code requirements for office space. Each work space/office shall have at least two duplex receptacles. There shall be a minimum circuit capacity of 20 amps.

(i) Each office/work space and conference room shall be wired for phone and computer local area network (LAN). Telephone service shall be provided with outside lines for each office/work space in the field office facility, including local and long distance calling. Provide telephone sets with headsets for each office/work space and conference room. At least one additional line will be dedicated for fax service and one additional line will be dedicated to high speed data service. The phone system shall be capable of providing voice mail service to each extension. Establish and maintain telephone and radio communications, as appropriate, to local and regional emergency response agencies, or entities and utility owners. Do not use police or other emergency services’ radio frequencies.

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Section 7.15 - Construction Facilities

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The Contractor shall provide daily janitorial service and supplies (except weekends and Holidays) and provide, service, and maintain trash/recycling containers and trash/recycling pickup service.

(1) Restroom supplies shall be provided including toilet paper, paper towels, and soap.

(2) Contractor shall be responsible for maintenance of the exterior area of the field office, including the parking areas.

(k) Provide blinds and walk off mats as needed.

(l) Equipment, supplies, and service for copying, computer, printing, paper shredding, and fax shall be provided.

(m) The field office shall have ventilation and air conditioning/cooling systems capable of maintaining temperature between 70 and 75 degrees Fahrenheit in all spaces throughout the year and meet the required air quality requirements as required by under OSHA laws.

(n) Site identification signage shall be provided at all Project offices, and all sites of Work. See GC Section 7.25, Project Identification.

(o) In the event that office spaces or appurtenant facilities are destroyed or damaged during the Contract period, except by fault of HART or its personnel or force majeure, the Contractor, at its expense, shall repair or replace those items that the Contractor provided, to their original condition within ten (10) days.

(p) The Contractor shall provide and maintain the field offices and HART office space(s) for at least 30 days after Final Acceptance of the Work or until facilities are no longer needed, whichever is earlier, unless otherwise agreed by HART in writing. The Contractor shall be responsible for the disposal or removal of all Contractor-provided facilities and any site restoration Work required.

(q) Ownership of the field office, equipment, and telephone remains with the Contractor and shall be removed when instructed by HART.

7.15.2 Construction Parking and Worker Transportation

(a) Parking for Contractor Employees and its Subcontractors: HART will make no provisions for construction parking. It shall be the Contractor’s responsibility to provide construction and employee/workers parking. Parking shall be ADAAG compliant.

(b) Restrictions:

(1) Due to the limited amount of parking available to residents and businesses in and around the locations of the Work, personal vehicles shall not be parked in the public right-of-way or in commercial areas where general parking has been prohibited for construction or safety purposes.

(2) Project personnel shall not park their personal vehicles in private business parking lots without prior approval from the business owner.

(3) On-street parking by Contractor employees shall not be permitted within the vicinity of the Work site. During actual hours of Work, park construction vehicles only as absolutely necessary.

(4) The Contractor shall provide specific off-site and off-street area(s) or portion(s) of lots for the use by Project employees during the working day in close proximity to the Project site to serve construction Work adequately and result in minimum interference with performance of Work.

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The Contractor shall ensure that Contractor and subcontractor employees are prohibited from parking anywhere other than Contractor-furnished parking area. Employees will not be allowed to utilize commercial parking facilities as that reduces/eliminates the available parking for the customers/employees of the local businesses.
7.16 **Maintenance of Traffic**

7.16.1 **Traffic Control**

The Contract Documents show a method of handling traffic relative to different aspects of construction. The Contractor shall prepare site-specific Maintenance of Traffic (MOT) Plans, Traffic Control Plans (TCP), and Detour Plans as necessary to obtain permits for closing traffic facilities from HART, HDOT, HCDA, and DTS.

(a) The MOT Plans, TCPs, and Detour Plans shall comply with the following requirements:

1. Shall be stamped by a Professional Engineer registered in the State of Hawaii;
2. Shall be submitted to HART for HART’s acceptance at least fifteen (15) working days prior to commencement of the associated Work activity;
3. Shall comply with the conditions of the MOT plans, TCP, and Detour Plans provided in the Contract Documents;
4. Shall maintain acceptable levels of traffic service and safety during all Work activities on the roadway;
5. Shall include a description of the Work activity, duration (estimated number of calendar days), the days and hours operation, and other requirements as listed in the Contract Documents;
6. Shall include ADA Compliant provisions for maintaining bus operations and pedestrian and vehicular access to adjacent properties.
7. Shall comply with the latest requirements of the follow:
   A. Department of Planning and Permitting (DPP) – Traffic Review Branch;
   B. DTS;
   C. Traffic Code for Honolulu;
   D. “Administrative Rules of Hawaii Governing the Use of Traffic Control Devices at Work Sites on or Adjacent to Public Streets and Highway in the State of Hawaii,” adopted by the Director of Transportation;
   E. Federal Highway Administration’s latest version of the “Manual of Uniform Traffic Control Devices (MUTCD) for Street and Highways, Part VI – Traffic Controls for Street and Highway Construction and Maintenance Operations,”;
   F. The Contract Documents;
   G. Directives issued by HART to eliminate other traffic problems and hazards.

(b) The Contractor shall comply with the following requirements:

1. For City Maintained State Highways designated in the Master Agreement between HART and HDOT, obtain a HART Street Usage Permit from HART prior to commencing Work on any portion of the highway. A copy of the Master Agreement between HART and HDOT will be furnished to the Contractor upon the Contractor's request.
2. For State traffic facilities under the jurisdiction of HDOT Airports Division obtain an HDOT permit from the Airports Division. For other State Highways obtain an
HDOT permit from HDOT Oahu District. The permit shall be obtained prior to commencing Work on any portion of the traffic facility.

(3) For City Streets, obtain a City Street Usage Permit from City’s Department of Transportation Services prior to commencing Work on any portion of a City Street.

(4) Provide copies of all permits issued for street usage to HART.

(5) Deviations from the site-specific plans shall only be for emergencies affecting life and property. The Contractor shall immediately notify HART and/or HDOT, as applicable, of any such emergency changes.

(6) Lane closures shall maintain the minimum number of through traffic lanes in accordance with project-specific lane closure charts. No lane closures will be allowed during the Island of Oahu 24-hour periods listed in subsection 645.03(F) of the Hawaii Department of Transportation Standard Specifications. Exceptions to the lane closure hours will require written acceptance from HART. Lane closures on Interstate Freeways and ramps will require additional coordination in accordance with GC Section 7.16.2. If the Officer-in-Charge (OIC) determines the permitted closure hours adversely affect traffic, the OIC may adjust the hours accordingly. The OIC will notify the Contractor in writing of any change in the closure hours.

(7) "Rental fees" will be assessed in accordance with the Contract Specifications for failure to provide the minimum number of lanes open to traffic in accordance with the project-specific lane closure charts.

(8) Where Work is occurring in consecutive blocks along the street or highway, the temporary lane closures shall be in line with each other, instead of staggered, to minimize the weaving of traffic and shall be coordinated to ensure that simultaneous detours are not required.

(9) Where Work requires the closure of an exclusive left-turn lane along the facility, the preceding and following left-turn lanes shall remain open to ensure adequate circulation for detoured traffic. Exceptions may be allowed if approved in writing by HART. The Contractor shall identify detour routes on the site-specific TCPs and install and maintain the detour signage.

(10) Where the Work area obstructs an existing bus stop, the bus stop shall be temporarily relocated in an ADA accessible location in coordination with Oahu Transit Services (OTS) fourteen (14) days prior to the obstruction to the existing bus stop.

(11) Where Work area obstructs existing pedestrian facilities such as walkways and crosswalks, alternative and/or temporary ADA accessible routes shall be provided. Temporary walkways shall have a width of not less than four (4) feet.

(12) Provide special duty officers as needed to provide for traffic flow and safety based on the complexity of the TCP, for each location shown on the Project TCPs, as specified in the applicable street usage permit, or as specified in the Contract Specifications.

(13) Prior to starting Work on each phase requiring traffic control, demonstrate to HART’s satisfaction that necessary materials, equipment, and personnel are on site and that, once started, Work can be completed in an expeditious manner without interruptions. Schedule surface operations so that Work is not carried on, intermittently, throughout the area. Schedule excavation or construction activities and
pursue to complete as required to permit opening of street areas to traffic without unnecessary delays.

(14) The Contractor shall assume full responsibility for determining that the jurisdiction through which its haul routes pass will permit the hauling operations with respect to laden weights, type of vehicle, frequency and dimensions of loads, required traffic control and hours of operation. All necessary permits, licenses or bonds shall be obtained and paid for by the Contractor. The unavailability of haul routes or limitations thereon shall not become a basis for claims, for damages or extension of time for completion of the Work.

(15) Notify Honolulu Police Department (HPD), Honolulu Fire Department (HFD), and Oahu Transit Services of Honolulu, Inc. (OTS), fourteen (14) days prior to any Work blocking any street during construction. Arrange for and pay for all services required by HPD during construction operations on all roads.

(16) Notify the Traffic Signals and Technology Division, DTS, seventy-two (72) hours prior to any construction within any signalized intersection. The Contractor is responsible for any and all damages to existing traffic signal conduits and loop detectors as a result of its Work. The Contractor shall repair all damages within 24 hours.

(17) Cooperate with HART, DTS, and other authorized persons in positioning all traffic control devices. If the Contractor fails to promptly provide adequate traffic control devices, HART may provide them at the Contractor’s expense. The Contractor shall pay the cost of such work to HART, or HART may deduct the cost from any moneys due the Contractor from HART.

(18) When material excavated for construction is placed adjacent to the trench or excavation, it shall be placed in such a manner as to economize space and minimize interference with traffic and shall conform to procedures or instructions given by the Department of Environmental Services, Stormwater Quality Division. If necessary, confine such material by suitable bulkheads or other devices. If the street is not of sufficient width to hold excavated material without using part of adjacent walkway, the Contractor shall:

(A) Provide a passageway in compliance with the ADAAG requirements.

(B) Obtain the necessary street usage permit from the appropriate agency that authorizes the use of the adjacent walkway.

(C) Keep the passageway open at all times.

(19) If applicable, provide and post signs banning parking on streets to be worked on at least twenty-four (24) hours prior to the Work. Cover all existing parking regulation signs and uncover them after the completion of Work. Signs shall conform to the following requirements:

(A) Mount signs on 4-foot high portable stands.

(B) Size: 18” x 24” x 0.063” with 1-1/2” radius corners.

(C) Materials: Aluminum conforming to ASTM Designation B 209-68.

(D) Paint: shall be 3M Scotchlite Process Color or equal.
(E) Color: Red lettering on white reflectorized background except at the upper left corner where the word “No” will be white lettering on red background.

(F) Information on Signs: Signs shall contain the information noted and conform to the layout as shown on the following schematic drawing.

(20) While construction is in progress within any public street, provide and maintain traffic lanes in good condition. During non-working hours, cover all trenching located within the existing pavement area and open all lanes to traffic. Cover all trenches within the sidewalk areas with a safe, non-slip bridging material, providing safe passageways for pedestrians. The Contractor shall provide proper traffic bridges where necessary so that all streets, roads, lanes, alleys, driveways, and garages will be accessible to traffic at all times. These bridges shall be constructed so that their decks are flush with the pavement, and maintained free from projecting nails, splinters, or rough edges. In lieu of the traffic bridges, the Contractor may use suitable steel plates. The bridges or steel plates shall be able to support all legal highway loads permitted by law and shall have a non-skid surface. Any steel plate edges shall be in conformance with accessibility requirements pursuant to the Americans with Disabilities Act and related regulations and guidelines.

(21) Maintain the safety of motorists, pedestrians, bicyclists, and workers in the vicinity of construction and maintenance areas at all times. When traffic conditions dictate, modify Work operations for such length of time as required to alleviate hazardous traffic conditions.

(22) Safe Passage and Access to Site. The Contractor shall employ such methods in the performance of the contract and provide such barriers, guards, temporary bridges, detours, notices, lights, warnings, and other safeguards as may be necessary to prevent injury to persons and property, and to provide safe access to property. The Contractor shall define the line of safe passage with suitable lights, wherever the public may have access to the site of the Project. All passages and accesses shall be in conformance with the Americans with Disabilities Act and related regulations and guidelines. When excavations cross street intersections, provide and maintain safe crossings for vehicles and pedestrians. Provide safe non-slip material for pedestrian crossings separate from vehicle crossings. Provide handrails except in areas opened for vehicular traffic.

(23) Public and Private Right-of-Way. The Contractor shall provide safe access to property abutting the site of the project when the usual means of access are obstructed by the performance of the contract. The Contractor shall provide free
access to water meters, water valves, and abutting public and private property. No material or obstruction of any sort shall be placed within twenty-five (25) feet of any fire hydrant. Fire hydrants must be readily accessible to the fire department at all times. Special attention is called to private and public rights-of-way. Driveways shall be kept open unless the owners of the property using these rights-of-way are otherwise provided for satisfactorily. During the construction of driveways and driveway ramps, satisfactory access shall be provided by the Contractor for each driveway and driveway ramp. The accesses provided by the Contractor shall conform to any and all accessibility requirements pursuant to the Americans with Disabilities Act and related regulations and guidelines.

(24) Vehicle load restriction shall be in accordance with DTS and HDOT requirements, unless the Contractor has obtained an over-legal load permit from the appropriate agency. Movement of any oversized Project construction equipment or material shall be in accordance with DTS and HDOT requirements. No such oversized load is to be moved over public streets without first obtaining approval of the DTS or HDOT, as applicable.

(25) Remove all temporary signs, barricades, barrier curbs, crash cushions, drums, and cones used to safeguard traffic in connection with construction work at the close of the Work day, unless the Work is such that warning devices are still needed and are adapted for night work lane closures.

7.16.2 Coordination with HDOT

(a) The Contractor shall coordinate Work with HDOT (Highways or Airport, as applicable) and comply with the following requirements:

(1) Prepare and submit site-specific MOT Plans, TCP’s and Detour Plans, as necessary to HDOT Oahu District or HDOT Airports Division, for review and approval, and obtain an HDOT permit when constructing within a State Highway or transportation facility.

(2) Provide a 30-day advance notice to HDOT for any and all traffic restrictions on a State Highway lane or ramp, or within the Airport.

(3) Coordinate with HDOT on all details of access and egress to the Work from HDOT right-of-way, and all details of construction staging areas within HDOT right-of-way.

(4) Lane Closures on Interstate Freeways and ramps will require approval from the Director of the State of Hawaii Department of Transportation.

(5) Obtain approval for all lane closures or restrictions within right-of-way proposed by the Contractor. These include closures or restrictions along State Highways, lanes, or ramps.

(6) Obtain HDOT approval to close additional lanes, left-turn movements, and cross street movements not shown in the project plans. These closures may only be considered for non-peak traffic periods.

END OF SECTION
7.17 Discovery of Contaminated Material

7.17.1 Contractor Responsibility

(a) In the event the Contractor encounters onsite Contaminated Material (the Contaminated Materials encountered by the Contractor is likely to be soil or groundwater, but is not limited to soil and groundwater), the Contractor shall immediately stop work in the affected area, properly secure or otherwise isolate such conditions, and notify HART. The Contractor shall also submit a written notification of the condition. Work in the non-affected areas can continue.

(b) The Contractor shall proceed with evaluation, field screening, sampling, and initial hazard determination in accordance with the Contractor’s Site Safety and Security Plan (SSSP), the Contractor’s Environmental Compliance Plan (ECP), the HART Programmatic EHE-EHMP, Project Technical Specification 02 26 00 Discovery and Assessment of Suspect Contaminated Material, and other applicable Contract Documents.

(c) The Contractor shall be responsible for the removal, handling, and disposal of Contaminated Material in accordance with the Contractor’s SSSP, the Contractor’s ECP, the HART Programmatic EHE-EHMP, Project Technical Specification 02 61 01 Removal and Disposal of Contaminated Material.

(d) Notice. The Contractor shall give any notices required by law and/or bearing on safety of persons or property or their protection from damage, injury or loss and any other required notices or reports and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities.

7.17.2 HART Responsibility

(a) HART will review the Contractor provided information and make a final hazard determination.

(b) HART will manage Hazardous Material and/or Hazardous Waste as defined in GC Chapter 2.
7.18 Historical and Archaeological Finds

7.18.1 Historical and Archaeological Finds, Including Burials

(a) The Contractor shall comply with Stipulation XII.B of the Programmatic Agreement, attached hereto as Attachment D, regarding inadvertent discoveries of historical or archaeological finds, including burials, during construction operations. In the event of any conflict between (1) Chapter 6E, Hawaii Revised Statutes, and the Hawaii Administrative Rules promulgated thereunder (collectively, “HRS Chapter 6E”) and (2) the PA, the requirements of HRS Chapter 6E shall govern.

(b) In the event of the discovery of suspected human remains (burials) or other archaeological items, Contractor shall immediately stop Work within a 50-foot radius and secure the site. No photos shall be taken of human remains or suspected human remains. The Contractor’s Project Manager shall contact HART and the Project Archaeologist of Record. Upon confirmation of a find of human skeletal remains, the Project Archeologist of Record will notify the State Historic Preservation Division, Coroner’s Office and Honolulu Police Department.

(c) If the Archaeologist of Record cannot respond immediately, Contractor shall secure the location and, if possible, cover the excavation with a steel plate. In any case, Contractor shall ensure that the remains are covered by tarp or cloth. The Contractor shall contact HART immediately.

7.18.2 Training

(a) The Contractor shall attend a HART provided historic preservation and cultural awareness training orientation class (assume one hour on an annual basis). This applies to Contractor personnel assigned to the Project and Project personnel that the Contractor is responsible for. Training shall include the following topics:

(1) Illegal collection and disturbance of historic and prehistoric cultural materials, including human remains;

(2) Scope of applicable laws and regulations; and

(3) Initial identification and reporting of archaeological materials, human remains, and historic buildings or structures that may potentially be discovered during the course of Work.

(b) The Contractor shall train equipment operators and laborers involved in excavation activities to identify and respond to inadvertent archaeological discovery.

(c) The Contractor shall make available to HART on an annual basis, at a minimum, training materials, schedules, and lists of persons trained.

END OF SECTION
7.19 Protection of Water Resources and Temporary Dust and Erosion Controls

7.19.1 General

(a) Protection of water resources and temporary dust and erosion controls, and installation, maintenance, monitoring, and removal of best management practices (BMPs) during construction shall be in accordance with Hawaii Standard Specifications (HSS) for Road and Bridge Construction, as cited herein.

7.19.2 Submittals

(b) The Contractor’s submittals under this Section include:

1. Site specific BMP plan and other water pollution, dust, and erosion control submittals as specified in HSS Section 209.03(A) – Preconstruction Requirements.

2. Plan outlining design and construction methods for project dust control as specified in HSS Section 620.03(A) – Preconstruction Requirements.

3. Weekly copy of BMP inspection records. Submit amounts expended for initializing and maintaining BMP as specified in HSS Section 209.03(B) – Construction Requirements.

4. Copy of the National Pollutant Discharge Elimination System (NPDES) Hydro-testing Waters Application and Permit as specified in HSS Section – 209.03(C) – Hydro-testing Activities.

5. A work plan as required by permit, showing the method of diverting any surface water, temporary stream crossings, cofferdams, dewatering systems, or any other activity encroaching on surface waters and wetlands or affecting water quality. Work in surface waters and wetlands shall not commence until a plan that meets permit holder’s requirements has been submitted.

7.19.3 Contractor Responsibility

(a) The Contractor shall provide temporary water pollution, dust, and erosion controls as specified in HSS Section 209 and Section 620.

(b) All Work shall be done in a way as to minimize or eliminate water pollution of surface water and wetlands and to minimize soil erosion caused by construction activities. Clearing of wetlands shall be limited to what is allowed by permit.

(c) Wetland areas shall not be used for storage, parking, waste disposal, or any other construction activity unless specified for use by permit.

(d) Pump effluent shall not be returned directly to any surface waters, but shall be confined in a settling pond for clarification prior to returning to any surface water, or sprayed onto a vegetated upland. Obtain a permit for any discharge into surface waters, including pump effluent, prior to commencing operations. On HDOT right of way, a permit from HDOT may also be required for diverting water by pumping or other means. The Contractor shall be responsible for all governmental compliance.

(e) The Contractor shall keep vegetation clearing to a minimum. Stumps are to be cut to near ground level or remove; unless directed or approved otherwise, stumps serving as slope stabilization shall remain in place; conduct timber felling with methods designed to minimize damage to such areas; remove slash resulting from these operations where necessary to protect cover, soil, surface waters, and wetlands.
(f) Revegetation of disturbed areas shall be in the following priority: (1) surface waters and wetlands, (2) all other areas. Revegetation and restoration of disturbed surface waters, and wetlands shall return the areas to the predisturbed condition or as shown on the plans. These areas shall be protected and maintained from damage until Project Final Acceptance.

(g) The Contractor shall use dikes, berms, cofferdams, work platforms, bridges, culverts, or other acceptable methods to divert water from work areas in or near any surface water or wetlands. Fording or the operation of equipment in surface waters and wetlands shall be only as necessary to complete or remove the temporary surface water and wetland encroachment, or for short-term work operations. All machinery and equipment working in or near surface waters and wetlands shall be rubber tired and free of leaking lubricants, coolants, fuel, or other contaminants. All temporary protective works shall be removed in a manner satisfactory to HART.

(h) **Water Pollution.** The Contractor shall comply with the provisions of Chapter 54, Water Quality Standards and Chapter 55, Water Pollution Control, of Title 11, Administrative Rules of the State of Hawaii Department of Health during all phases of work. The Contractor shall not pollute state waters or other water resources, including but not limited to, streams and drainage systems with any pollutant, including but not limited to, fuel, oils, bituminous materials, calcium chloride, acids, construction wastes, wash waters, or other harmful materials. Surface drainage from cuts and fills, whether or not completed, and from borrow and waste disposal areas shall, if turbidity producing materials are present, be held in suitable sedimentation ponds or shall be graded to control erosion to meet legally acceptable limits. Objectionable construction discharges shall be processed, filtered, ponded or otherwise treated prior to discharge into a waterway or drainage system to ensure compliance with the Clean Water Act and applicable permits. Such oversight shall not relieve the Contractor from obtaining permits and meeting any requirements under applicable statutes, ordinances, rules, regulations or guidelines.

(i) Work associated with dewatering activities shall comply with the requirements in HSS 209.03(D) – Dewatering Activities. The Contractor shall be responsible for the water and its control and disposal during the construction of all Work covered by the Contract. Dewatering shall be accomplished by suitable means. The Contractor shall repair any and all damages to property including buildings, retaining walls, resulting from such dewatering operations to the satisfaction of the owners of such property. Dewatering shall be prohibited in areas subject to substantial damages to adjacent buildings and properties resulting from settlement due to dewatering. All concrete pours shall be dewatered in accordance with the applicable sections of the requirements in HSS.

(j) Work associated with hydro-testing activities shall comply with the requirements in HSS 209.03(C) – Hydro-testing Activities.

(k) The Contractor shall examine the Project site and make all necessary arrangements with affected property owners for removal of water from the site. Cost for such work, as necessary, will be considered incidental to the Work.

(l) The Contractor shall provide a bridge or other means to prevent water from flowing into adjacent streets, as a result of the Contractor’s activities, and interfering with traffic. Cost for such work, as necessary, will be considered incidental to the Work.

(m) The Contractor is responsible for all additional permits that may be required for removal of water from the site.

(n) **Dust Control.** The Contractor shall maintain all excavation, embankment, stockpiling and all other Work within or adjoining the Project site and shall perform its Work such that it will be free from dust or the release of particulate matter that would cause a hazard or nuisance or could harm human health or the environment. Chemical treatment, bituminous treatment, or similar methods of dust control...
will only be permitted upon acceptance by HART. Water sprinkling must be repeated at such intervals as to keep all pavements and disturbed areas at least damp enough to prevent dust nuisance at all times, and the Contractor shall have sufficient sprinkling equipment on the job. Wet cutting shall be required for cement masonry blocks, concrete and asphaltic concrete pavements unless attachments are used with dry cutting equipment to capture the dust created thereby. All grinding work shall be wet. No dry powder brooming will be permitted in unconfined areas—vacuuming, wet mopping, wet sweeping, or wet power brooming may be used upon acceptance by HART. The Contractor shall control fugitive dust and comply with applicable state and federal permit conditions.

END OF SECTION
7.20 Invasive Species and Noxious Weed Management

7.20.1 General

(a) The Contractor shall use best management practices for the prevention, identification, and reporting of noxious and invasive species. During construction, the Contractor shall employ both preventive and control measures to mitigate the spread of noxious weeds to and from the construction site. The Contractor shall eradicate all discovered noxious weeds. Identified noxious weeds shall not be allowed to reach flowering or seed dispersal stage.

7.20.2 Contractor’s Duties

(a) The Contractor’s duties include educating construction workers about the importance of weed management and implementing preventive measures to control the spread of noxious weeds, since vehicles and construction equipment associated with construction activities can introduce seeds or rhizomes (horizontal stems) of noxious weeds to the Project site.

(b) The Contractor shall prevent and completely eradicate all noxious weeds in the right-of-way (ROW) that are listed in the State of Hawaii Department of Agriculture Administrative Rules, “Noxious Weed Rules,” (HAR Chapter 4-68) and the following high-priority noxious weeds:

(1) Fountain Grass (Pennisetum setaceum);
(2) Bush Beardgrass (Schizachyrium condensatum);
(3) Pampas grass (Cortaderia selloana and Cortaderia jubata);
(4) Fireweed (Senecio madagascariensis); and
(5) Long Thorn Kiawe (Prosopis juliflora).

(c) Noxious weed signage shall be prominently posted at the Contractor’s trailer at the construction site. Signage shall include one 8.5” x 11” laminated color sign for each of the above listed high-priority noxious weeds.

(d) The Contractor shall obtain all necessary licenses and permits from applicable regulatory agencies for the specific methods proposed for clearing and removal of noxious invasive weeds species.

(e) When possible, the Contractor shall use mechanical methods (e.g., mowing, removal) or commercially available herbicides specified to control the weed species identified. All chemicals used and applied for weed management shall meet Material Safety Data Sheet (MSDS) requirements. If restricted-use herbicides are proposed for use, the Contractor shall ensure that they are applied by a licensed commercial applicator. For any herbicide use, restricted-use or otherwise, the Contractor shall ensure that the herbicide label is in the applicator’s possession, that the applicator has proper safety equipment, and the applicator is prepared to handle chemical spills before they occur. If an herbicide spill occurs, HART shall be notified. The Contractor shall be responsible for properly and legally cleaning the spill and contacting any and all necessary governmental agencies. Herbicide mixing and application shall be done in accordance with instructions on the registered product label. The Contractor shall furnish such label information to HART.

(f) When utilizing herbicide, the Contractor’s responsibilities include:

(1) Notifying HART at least (twenty-four) 24 hours prior to each herbicide application and indicate the starting time and location of each application.
(2) Herbicides shall not be applied when weather conditions, including wind conditions, are unsuitable for such work. Herbicides shall not be applied when soil is extremely dry.

(3) Herbicides shall not damage the plant growth outside the designated treatment areas. The Contractor shall repair all damage caused by improper herbicide application at the Contractor’s expense.

(4) For restricted-use herbicides, the Contractor shall keep a record of herbicide application by the commercial applicator and submit a copy to HART for its records.

(g) All noxious weeds not contained within the inventory report conducted prior to construction and discovered on the Project site after the inventory conducted by the Contractor and the inventory list provided to HART shall be deemed to have been introduced by the Contractor. (See GC Section 7.20.3 below regarding inventory requirements.)

7.20.3 Inventory and Eradication of Noxious Weeds

(a) Before and after the completion of construction work, the Contractor shall conduct a Right Of Way inventory of all existing noxious weeds and perform an inventory survey by a qualified independent botanist.

(b) The Contractor shall follow its plan and procedures, drafted and completed pursuant to GC Section 7.22.2(a)(3)(A)(ix), in eradicating invasive species and noxious weeds.

(c) The Contractor shall spray noxious weeds located within the Project limits prior to starting earth disturbing activities and if they appear during construction, using pre-emergent, selective and non-selective herbicides, as appropriate.

7.20.4 Equipment Cleaning

(a) The Contractor shall ensure that all equipment arrive at the project site clean and weed-free, using methods such as high-pressure water blasting or steam cleaning methods to clean all earth-moving construction equipment (scrapers, bulldozers, excavators, backhoes, trenchers) of dirt, mud, and seed residue prior to entering the project site. The Contractor shall periodically inspect and verify that equipment arrives at the project site free of soil and debris, which are capable of transporting noxious weed seeds, roots, or rhizomes.

(b) The Contractor shall thoroughly inspect seeding equipment prior to conducting seeding activities.

7.20.5 Record Keeping of Destination of Materials Removed from Site

(a) The Contractor shall maintain records of the destination of all earth, fill, or debris removed from the project site under this Contract and shall include in the monthly report, at minimum, the following:

(1) Type of material;
(2) Approximate quantity; and
(3) Address of delivery location.

(b) Data for monthly reports shall be compiled and the reports provided to HART for HART’s files. The Contractor shall provide a summary report to HART at final project acceptance or upon request anytime during construction.

7.20.6 Contractor Training
(a) Prior to commencement of clearing and grubbing activities, the Contractor shall ensure that all of its equipment operators shall attend training on the identification of weeds to be avoided and reporting procedures. The Contractor shall coordinate with the Oahu Invasive Species Committee (OISC), 743 Ulukahiki Street, Kailua, HI 96734, 808-266-7994, Fax 808-266-7995, email: oisc@hawaii.edu, regarding training.
7.21 **Noise and Vibration Controls**

7.21.1 **Compliance with Law and the Mitigation Monitoring Program**

(a) The Contractor shall comply with the provisions of the Hawaii Administrative Rules for the State Department of Health, Chapter 46 (HAR Chapter 11-46), Community Noise Control for Oahu and the requirements of a noise permit, noise variance, or both, as applicable to the Project. When a noise permit is required, the Contractor shall obtain a community noise permit.

(b) The Contractor shall include in its Environmental Compliance Plan (ECP) a contract-specific construction mitigation plan for noise and vibration pursuant to the latest version of the HRTP Mitigation Monitoring Program.

(c) Contractor shall be responsible for any required noise monitoring.

END OF SECTION
7.22 Environmental Compliance

7.22.1 General

(a) The Contractor shall prepare an Environmental Compliance Plan (ECP) for the construction work to be done under the Contract. The Contractor shall use the HRTP Mitigation Monitoring Plan (MMP) (Attachment E) as guidance to prepare its ECP.

(b) The BPS shall include the date of submission for the draft ECP. The ECP must be finalized and verified by HART’s Project Team, prior to start of construction.

7.22.2 Environmental Compliance Plan (ECP)

(a) The Contractor’s ECP, at minimum, shall include the following:

(1) Roles and Responsibilities: Identify roles, responsibilities and authority, and communication protocol for environmental matters. Include an organization chart for flow of communication to include names of on-site staff and HART members involved.

(A) Procedures for environmental emergency response:

(i) Names of contacts on Project team and regulatory authorities;

(ii) Office, 24-hour, and mobile telephone numbers, e-mail address, and work address; and

(iii) Actions to be taken during an environmental emergency situation.

(2) Pre-Construction Assessment: The Contractor shall review relevant existing background reports and studies for each Work location for environmental conditions and constraints, including but not limited to, historical, archaeological, cultural, and sensitive natural features. The ECP shall include HART provided environmental constraint maps showing the location and extent of wetlands, waterways, floodplains, and habitats; historical, archaeological, and cultural resources; ordinary high water mark; and other sensitive environmental resources.

(3) Permits:

(A) Identify all necessary environmental permits and approvals, including:

(i) List of all environmental permits and approvals obtained or to be obtained (including those obtained by HART), identifying the issuing regulatory authority contact information and anticipated schedule.

(ii) Date and duration of approval, and any conditions stipulated, in each environmental permit or approval.

(B) Include a provision to transmit all Contractor-obtained permits to HART via CMS.

(C) Identify key restrictions or limitations (e.g., limit of wetland fill, mitigation requirements).

(3) Resource Protection and Procedures:

(A) Provide a Plan within sixty (60) days of the NTP that sets forth the procedures for protection of resources and describe the process for unanticipated impacts.
or finds, including archaeological resources or human remains. The Plan shall include procedures for the following:

(i) Water quality and sediment/erosion control;
(ii) Air quality and dust control;
(iii) Noise and vibration control;
(iv) Archaeological resources;
(v) Historic properties;
(vi) Contaminated Material and construction waste management;
(vii) Water resources (including wetlands);
(viii) Wildlife and fish protection; and
(ix) Invasive species and noxious weeds.

(4) Environmental Compliance Monitoring Program:

(A) The following items from the Environmental Compliance Monitoring Program described in GC Section 7.22.3 will be included in the ECP:

(i) All applicable mitigation measures from the MMP;
(ii) Procedures for reporting and record-keeping;
(iii) Identify frequency of monitoring per GC Section 7.22.3(c); and
(iv) Meeting frequency and description per GC Section 7.22.3 (g).

7.22.3 Environmental Compliance Monitoring Program

(a) The Contractor shall monitor the Project throughout construction to confirm adherence to regulations, approvals, permits, and environmental performance standards.

(b) The Contractor shall implement an environmental compliance monitoring program, which will include the following:

(1) All applicable mitigation measures from the MMP;
(2) Environmental training program (Employee Awareness Training), including description of any special training needs;
(3) Identify personnel responsible for monitoring;
(4) Procedures for reporting and record-keeping;
(5) Procedures for reporting and handling noncompliance, including names of regulatory authority contacts to be notified, the means by which notification is to be accomplished, and the timeframe for notification;
(6) Identify key personnel responsible for implementing corrective or preventive action; and
(7) Follow-up procedures and documentation of implementation of corrective action.

(c) The Contractor shall determine the frequency of monitoring depending upon the level of construction activity, proximity of activity to sensitive resources, and the environmental issues associated
with the Work location. Monitoring shall occur at a frequency that will ensure there is ongoing compliance with the Contract requirements and ECP.

(d) Incidents of non-compliance noted by the Contractor’s field staff or HART shall be field-reviewed by the Project/Construction Manager.

(e) During construction, the Contractor shall maintain an environmental logbook and a photographic record of the Project. The environmental logbook shall be maintained at the Contractor’s construction office at the project site and shall contain copies of:

1. Monitoring reports;
2. Photographs; and
3. Applicable environmental permits, programmatic agreements, clearances, and authorizations.

(f) **Construction Monitoring Report**: As part of the Environmental Compliance Monitoring Program, the Contractor shall submit to HART via CMS a bi-weekly Environmental Construction Monitoring Report. This report shall contain the following elements:

1. Project name and location;
2. Date of site visit;
3. Names and responsibilities of persons present during monitoring;
4. Summary of general site conditions (describe general environmental condition and character of project site);
5. Summary of current construction activities (e.g., describe location of work, type of work, equipment on site);
6. Summary of permit condition compliance;
7. Problem areas and deficiencies (e.g., active soil erosion, unauthorized filling of wetlands/streams, improper stockpiling of construction materials);
8. Corrective actions taken to resolve problems or deficiencies, including summarized discussions and decisions to resolve issues;
9. Description of active restoration or mitigation operations that are occurring (if applicable); and
10. Photo documentation of sensitive site conditions within the Project area.

(g) **Environmental Task Force Meetings and Reporting**: The Contractor shall be responsible for holding a bi-weekly meeting with HART to discuss construction schedule, sensitive environmental resources, and environmental issues. The Contractor shall prepare and distribute meetings minutes within seven (7) calendar days of the meeting.

7.22.4 **Environmental Incident Report**

(a) If there are any unanticipated impacts or events during construction, the Contractor shall submit an Environmental Incident Report to HART within twenty-four (24) hours. This is in addition to the notification processes outlined in the resource-specific section of the ECP.

1. The Environmental Incident Report shall include the following:
   (A) Project name and locations;
(B) Date and time of incident;

(C) Details of incident --who, what, where, how, including names of people contacted and how the incident was handled; and

(D) Further action to be taken by the Contractor.

7.22.5 Noncompliance

(a) The Contractor is responsible for any and all non-compliance of mitigation measures or permit conditions. In the event of noncompliance of mitigation measures or permit conditions, the Contractor shall immediately bring the deficiency to the attention of the Project/Construction Manager and HART. The Contractor shall propose corrective measures and establish the earliest feasible time frame for implementation of the corrective measures. Implementation of the corrective measures shall be documented during subsequent inspections. Monitoring reports shall be completed within fourteen (14) days of each monitoring inspection.

7.22.6 Environmental Post-Construction Monitoring and Reporting

(a) At the end of construction, the Contractor shall ensure that disturbed areas are restored to their preconstruction contours and revegetated as soon as possible following Project completion. The Contractor shall also ensure that no noxious weeds are introduced during the revegetation process.

(b) The Contractor shall perform inspections required during the de-mobilization and final trimming and clean-up phases at each work location. Inspections shall also address the successes, failures, and remedial actions for site restoration and compensatory mitigation sites.

(c) The Contractor is responsible to conduct final monitoring inspections to assess compliance with permit requirements.

7.22.7 Explosives; Hazardous Substance; Protection of Land Resources; Fish and Wildlife

(a) Explosives, Hazardous Substance. When use or storage of explosives or Hazardous Substance or equipment or unusual methods are necessary to perform work, the Contractor shall, prior to such usage, notify HART in writing of the nature of the explosive, Hazardous Substance or equipment, its intended use, its intended duration of use on the premises and method of maintenance on the premises. The Contractor shall exercise utmost care in maintaining and using the explosive or Hazardous Substance and carry on such activities under supervision of properly qualified personnel.

(b) Protection of Land Resources. Land resources within the project area and areas adjacent to and/or impacted by work performed under the contract shall be preserved in their present condition or be restored to a natural condition that will not detract from the appearance of the surrounding area. Except in areas marked on the drawings to be cleared, the Contractor shall maintain and water trees in the construction area. Except in areas marked on the drawings to be cleared, the Contractor shall not deface, injure or destroy trees or shrubs nor remove or cut them without approval. Any tree or other landscape features scarred or damaged by the Contractor's equipment or operations shall be restored as nearly as possible to its original condition at the Contractor's expense.

(c) Protection of Fish and Wildlife. The Contractor shall at all times perform all work in such a manner as to prevent any interference or disturbance to fish and wildlife as required by law.

7.22.8 Damages and Loss

The Contractor is responsible for any and all compliance of mitigation measures or permit conditions. If the Contractor fails or refuses compliance with these requirements, HART may issue an order stopping all or part of the Work until satisfactory corrective action has been taken. No extension of
time or payment for excess costs or damages shall be made for the time lost due to such stop action; the Contractor shall be liable for any costs incurred or damages accrued by HART as a result of this stop action. The cost of the Contractor fails or refuses compliance with these requirements, HART may issue an order stopping all or part of the Work until satisfactory corrective action has been taken. No extension of time or payment environmental pollution control shall not be paid for directly, but shall be considered incidental and included in the proposal prices for the various items of work.

7.22.8 Asbestos Prohibition

    (a) No asbestos-containing materials or equipment shall be used for this Project. The Contractor shall ensure that all materials and equipment incorporated in the Project are asbestos-free and shall submit a written certification confirming this.

END OF SECTION
7.23 Sustainable Practices

7.23.1 General

(a) The Contractor shall submit a Sustainability Action Plan (SAP), within 60 days of the NTP which shall include sustainable strategies for the Project with the goal of achieving sustainable principles of resource conservation, energy efficiency, and reduction of environmental impacts. The SAP should also include a Construction Waste Management Plan (CWMP) that includes a method of verification and means to track on a monthly basis the demolition waste reduction by volume or weight, construction waste disposal and diversion (salvaged and recycled) by volume and weight, post-consumer and post-industrial recycled materials, salvaged and reused materials, bio-based products, certified wood percentage, volatile organic compound (VOC) content and volume, office waste management, and other sustainable content to comply with the latest version of the LEED Reference Guide for Green Building Design and Construction.

(b) The Contractor shall prepare and implement procedures outlined in the CWMP and actions to reduce and recycle waste, salvaging, and reuse of materials during construction as contained in the SAP.

(c) The Contractor shall submit Sustainability Progress Reports to the HART sustainability manager on a quarterly basis. The reports should include an analysis of the data collected including metrics summarizing the progress toward achievement of sustainability goals.

(d) After the award of the Contract and prior to commencement of Work, the Contractor shall schedule and conduct a meeting with HART’s sustainability manager to discuss the Construction Waste Management Plan. Sustainable practices specific to each trade shall be reviewed.

END OF SECTION
7.24 Public Awareness and Community Relations

7.24.1 Submittals

(a) Submittals by the Contractor under this Section include:

1. Contractor’s Public Awareness and Community Relations (PA/CR) Plan (including Business and Residential Impact Mitigation Plan);
2. Monthly reports of activities undertaken to implement the PA/CR Plan;
3. Weekly reports, including traffic updates and construction activities for HART public information and hotline staff;
4. Weekly report of public contacts and responses provided;
5. Changes to access along with up-to-date access maps;
6. Sample of project identification sign;
7. Public notices for scheduled disruptions;
8. Public notices for unscheduled disruptions;
9. Monthly public notices with project updates regarding disruptions to be posted on the project website, print outlets, and media outlets; and
10. Project updates for website.

7.24.2 General

The Contractor shall maintain good communications and community involvement while minimizing impacts to businesses, residents, and traffic, which are critical to the successful development of the Honolulu Rail Transit Project (HRTP).

7.24.3 Public Awareness and Community Relations Program

(a) HART has developed a system-wide set of goals and objectives covering construction-related activities, including community relations (with specific outreach to impacted businesses), construction and traffic mitigation, public information, and responsiveness to public concerns. Based on HART’s goals and objectives, the Contractor shall develop a Project-specific PA/CR Plan to be approved by HART for all construction-related activities. The Plan shall be designed to ensure effective community relations and successful mitigation of construction impacts businesses and residents near construction work sites. Those efforts shall include, at a minimum, an ongoing public information program, public meetings, construction advisories, newsletters, and/or e-blasts, and public notifications related to construction work and impacts using print, radio, and online ads. If requested by the Contractor, HART will provide a template and/or sample PA/CR Plan for use by the Contractor in developing its PA/CR Plan and Business and Residential Impact Mitigation Plan. The Contractor, under HART’s direction, shall also provide other City departments and HDOT with construction advisories and current construction-related traffic information.

(b) The PA/CR Plan shall include:

1. An implementation plan to build a positive image for the HRTP;
2. Regular reports on the Contractor’s progress;
3. Acceptable mechanisms for community outreach, public input and responding to construction concerns;
Mitigation programs for construction impacts for area residents, business owners, and commuters in the vicinity of the Project; and

Placing a high priority on being responsive to the concerns of the public, neighborhoods, and business owners throughout the life of the Project. Concerns and contacts should be properly documented electronically for future reference and to provide ongoing reports and research and refining outreach and communications plans.

(c) HART’s Role:

(1) HART maintains oversight for public involvement and information for the HRTP in its entirety, from East Kapolei to Ala Moana and, specifically for this Contract, will monitor the Contractor’s performance for compliance with the approved PA/CR Program plan. As part of its oversight, HART will:

(A) Provide leadership in establishing the messaging for HRTP project communications policy and strategic direction;
(B) Provide the Contractor with communications goals and objectives;
(C) Ensure that the Contractor’s communications programs and products are consistent system-wide and in line with HART’s overall public information and outreach efforts; and
(D) Conduct HART-sponsored public relations activities targeted to the general public.

(d) The Contractor’s Role:

(1) The Contractor has the responsibility for the PA/CR effort to prepare affected neighborhoods for construction and to minimize the actual impact of construction.

(2) The Contractor shall perform the Project-specific PA/CR activities, manage the day-to-day PA/CR program and mitigate the impact of construction for businesses and residents in the Project area.

(3) The Contractor shall support HART’s public information and outreach efforts in the Project-specific areas, including providing timely reports, public information and personnel to ensure a successful program.

(4) The Contractor’s communications program and products shall be consistent system-wide and in accordance with the communications goals and objectives provided to the Contractor by HART.

7.24.4 Contractor’s Responsibilities

(a) Contractor’s PA/CR Plan: Within thirty (30) days of the NTP, the Contractor shall complete and submit to HART for review, comment and approval a PA/CR Plan, which will include the Business and Residential Impact Mitigation Plan as defined below as a subset of the PA/CR Plan. The PA/CR Plan shall be consistent with HART’s communication goals and objectives and shall target PA/CR activities to those most affected by Project construction. The Contractor’s PA/CR Plan shall include, at a minimum, the items described in the Contract Specifications. The Contractor shall:

(1) Use the official Honolulu Rail Transit Project (HRTP) logo on all communications products with HART’s approval. The Contractor may also identify itself and use its
(2) Update the PA/CR Plan at least semi-annually, soliciting input from the businesses and residents along the corridor and the stakeholders representatives and using the results of market research described later in this Section. Submit a copy of each update to HART for review, comment and approval.

(3) Provide monthly reports of activities undertaken to implement the PA/CR Plan. Submit the monthly report in a format acceptable to HART on or before the 10th day of the month for activities undertaken during the previous month.

(4) Assess the effectiveness of the PA/CR Plan: Working in conjunction with HART’s public involvement team, use market research techniques semi-annually to provide information to HART. Information will be used to determine if any course corrections are needed in the delivery of information and interaction activities with Project area residents, businesses, and commuters.

(5) Coordinate all PA/CR issues directly with HART that arise within and adjacent to the Project’s geographical limits during the time the Contract is in force. This includes PA/CR issues that may be attributed to other concurrent HRTP contracts.

(b) Staff Requirements:

(1) Provide, at a minimum, a full-time Public Involvement Manager (PIM) responsible for managing the Contractor’s PA/CR Plan. Other Contractor staff must be provided, as needed, to accomplish specified tasks. The PIM is a key personnel on the Project list of Key Personnel.

(2) The PIM shall have and provide “real-time” access to all Project details that may be relevant to the public, public agencies, emergency service providers, businesses, and residents. The PIM shall have readily available and provide information, current and updated, to HART when requested by HART.

(3) The Contractor’s PIM is the primary interface between the public and the Contractor’s organization.

(c) Public Interaction:

The Contractor shall maintain day-to-day contact with the affected Project area residents, businesses, and commuters and provide information to all parties impacted by the Project on how to deal with any Project-related disruptions, impacts or issues. If a resident, business, commuter, or other member of the public has a question or comment related to construction or preparation for construction, the first and preferred point-of-contact should be the Contractor.

(d) Public Notifications:

(1) Notify the public and community in general and specifically, affected businesses and residents along the Project area through personal contact of construction progress and upcoming events. Provide information to mitigate impacts that have immediate and long-term results.

(2) Provide the specific notifications specified in Table 1 below.
### Table 1: Table of Notifications

<table>
<thead>
<tr>
<th>Notice</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>30-day heavy construction notification</td>
<td>Provide written notification of heavy construction thirty (30) days prior to construction. Provide access maps per the Maintenance of Traffic Plan (MOT).</td>
</tr>
<tr>
<td>3-day light construction notification</td>
<td>Provide written notification of light construction three (3) days prior to construction. Provide access maps per the MOT.</td>
</tr>
<tr>
<td>Critical utility shut-off</td>
<td>Provide written notice of at least seventy-two (72) hours in advance of, but not more than ninety-six (96) hours before, utility shut-off and diversions.</td>
</tr>
<tr>
<td>72-hour business/commercial utility shutdown</td>
<td>Provide written notification of utility shutdown for businesses and commercial property.</td>
</tr>
<tr>
<td>48-hour residential utility shutdown</td>
<td>Provide written notification of utility shutdown for residential property.</td>
</tr>
<tr>
<td>Weekly heavy construction updates</td>
<td>Provide a construction update to each business or resident fronting a heavy construction zone. The update shall be a personal visit from the PA/CR Team.</td>
</tr>
<tr>
<td>Emergency unforeseen utility disruptions, hazardous conditions, traffic signal emergencies, security and loss of access</td>
<td>See GC Section 7.24.4(k) below.</td>
</tr>
<tr>
<td>Road and driveway closures</td>
<td>Provide written notice and personal contact at least seventy-two (72) hours in advance of, but no sooner than, seven (7) days prior to closure.</td>
</tr>
<tr>
<td>Removal of surface encroachment, such as privately owned plants and shrubbery, from the City’s right-of-way</td>
<td>Provide notice to affected owners at least two (2) weeks in advance of the commencement of the removal. Provide construction start date and the location of plants or other encroachments to be removed for each owner.</td>
</tr>
</tbody>
</table>

(3) Utility shut-off/diversion announcements shall be made in the form of personal contact by the PIM or designated member of the Contractor’s PA/CR staff. The Contractor shall include written notices to the affected parties.

(e) **24-Hour Public Information Hotline:** HART has established a 24-hour public information hotline for the Project. The Contractor will assist by ensuring that a Contractor representative shall be available at all times to respond to inquiries and reports generated via the hotline and reported by HART. The Contractor shall develop reports on an updated and regular basis for the hotline staff, accepted by HART, containing the necessary guidance needed to address any number of issues called into the hotline, including basic Project information, procedures for handling situations, a prioritized call-tree, the types of notification to use in specific incidences, emergency phone procedures, and any other applicable information. The information provided must always be current.
(f) Submit a weekly written report to HART, identifying the nature of public contacts and Contractor responses for the preceding week. The Contractor’s PIM must be available at the request of HART to discuss the report.

(g) **Database:** The Contractor shall log all contacts it has made with the public into CMS. All contact information shall be inputted into the database within three (3) days of contact by the Contractor. Entries shall include the following:

   1. Contact name, business name, address, phone number;
   2. When the contact was made;
   3. Who accepted/responded to the contact;
   4. How the contact was made (in person, phone, e-mail, facsimile);
   5. A brief description of the nature of the contact;
   6. A brief description of handouts; and
   7. A brief description of how any issues or concerns were resolved.

(h) Develop a referencing system to track the distribution of handouts and mass mailings in order to minimize the amount of hard copy information filed.

(i) Develop a standardized form to log contact information. This form shall be provided with all proposed handouts. The contact information shall include the information provided for the database as well as a description of what was discussed. The database shall document all contact with the public and be capable of recreating the contacts made and issues discussed during the Project.

(j) **Complaint/Comment Forms:** Provide complaint/comment forms to businesses and residents along the Project as a method for the public to express Project concerns. These forms shall provide all information needed for entry into the database. The forms shall indicate the business address, website address, and fax number where the forms can be sent and the forms shall include the 24-hour public information hotline number.

   1. Responses to the Hotline Calls and Complaint/Comment Forms shall:
      
      A) Respond to complaints within five (5) days of receipt for non-emergency issues and within twenty-four (24) hours for emergency issues.

      B) Evaluate emergency calls relating to hazardous conditions, diminished security, or loss of access or utility services on a case-by-case basis. Verification calls shall be provided on all calls to inform the callers that their calls have been addressed.

(k) **Emergency, Unforeseen Utility Disruptions, Hazardous Conditions, Traffic Signal Emergencies, Security, and Loss-of-Access Notifications:**

   1. Initiate immediate response to emergencies by trained personnel from an incident response team within thirty (30) minutes of receiving notification from HART, a utility owner, or affected business(es) or resident(s).

   2. Explain all emergency or unforeseen disruptions to the public immediately by personal contact from the PIM or a designated member of the Contractor’s public information staff. The person making the contact shall provide to the affected party(ies) information such as:
(A) Cause of disruption (i.e., whether it is construction-oriented or not);
(B) Actions being taken to alleviate the problem;
(C) Anticipated duration of the disruption.

1. Construction Schedule/Maintenance of Traffic and Access:

   Notify businesses and residents along the Project and publicize commencement of construction in accordance with Table 1 herein. The notices shall provide, at a minimum, information addressing public safety, business impact mitigation, and proposed alternative routes and detours. This notification shall indicate the projected dates for the construction by individual notices to stakeholders, community groups, businesses, and residents along the corridor as well as along alternative routes. Provide all relevant information concerning the construction schedule to HART which will then publicize such information to appropriate media outlets.

2. Construction Schedule/Maintenance of Traffic and Access:

   (1) Business and Residential Impact Mitigation Plan: Complete, update, and submit a Business and Residential Impact Mitigation Plan, which includes but not limited to:

   (a) Door Hangers: The Contractor may use door hangers to inform particular property owners/residents about day-to-day construction progress and disruption.

   (b) Access Maps: Develop access plans with businesses and residents on each block and provide maps showing existing and planned patron, delivery and residential access during any construction period. The map(s) shall identify times of business operation and deliveries. The Contractor may show the utilization of alleys or adjacent driveways upon receiving written permission from HART or owner having jurisdiction over such driveways or alleys. Individual business and residential access shall be recorded in the database. The Contractor shall make the access maps available at least seven (7) days prior to construction where a business or residence is impacted.

   (c) Changes to Access: Inform businesses and residents in writing and by personal contact of any changes to access that may impact them at least two (2) weeks prior to start of construction. Changes in access, along with access maps, shall be submitted to HART for review and comment at least three (3) weeks prior to start of construction.

   (d) Work within Private Property: Notify each property owner affected by such work with the approximate start date and total duration of work within their property. Notification shall be made in writing, via a notification flier, at least two (2) weeks prior to commencing work. Submit draft to HART for review and comment at least three (3) weeks prior to start of construction.

   (e) Garbage and Recycling Removal: Provide adequate access for all garbage and recycling removal. Negotiate with public and private garbage and recycling removal services and provide them access at agreed times.

   (f) Construction Mitigation Signage: On blocks that are undergoing construction, maintain “open for business” signage at intersections on both sides of the street that includes the names of the businesses impacted by construction where access is limited or disrupted. This signage shall be approved by HART and maintained throughout the duration of construction in any area affected.

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(7) **Public Notification:** Provide and pay for public service announcements to promote safety and construction awareness including, but not limited to, radio and newspaper notices.

7.24.6 **Community Updates/Neighborhood Boards**

(a) Besides the daily contacts made, conduct community updates to give the public the opportunity to discuss the Project. All neighborhood meetings shall be advertised in neighborhood and community newsletters. At a minimum, community updates shall be hosted once per month starting one month prior to construction. The Contractor is responsible for selecting an appropriate, easily accessible venue and for convening the meetings at a convenient time for maximum attendance. The information displayed or discussed shall include schedule, staging, maintenance of traffic and access, and any other Project information. The stakeholders will be provided the opportunity to participate in all community updates, which are to be advertised no less than fourteen (14) days before the event.

(b) Accompany HART representatives to neighborhood board meetings in the affected areas to serve as a resource when HART representatives present Project updates.

7.24.7 **Construction Tours**

When HART schedules construction tours, the Contractor shall observe required safety program guidelines, such as the wearing of protective equipment and waiver of liabilities. The Contractor shall participate in tours as requested to provide construction information.

7.24.8 **Incident Notification**

Establish and manage an emergency response telephone tree. All appropriate stakeholder personnel shall be included on this telephone tree for immediate response in the event of an emergency. Divide the telephone tree into areas of expertise so that the proper people are called for specific emergency situations.

7.24.9 **Media Relations**

(a) An ongoing media relations program will be implemented and managed by HART. The Contractor shall not meet with the media without HART’s authorization and shall direct all questions from the media to HART. The Contractor shall provide timely information to HART regarding construction activities for use in media events.

(b) The Contractor shall develop press releases for HART as needed to keep the public informed of the Project. All press releases shall receive prior approval from HART before distribution to media outlets. The Contractor shall work with HART to develop a process to ensure that official stakeholders and elected officials will receive press releases before or at the same time as the media.

(c) Radio and television traffic reporters shall receive appropriate and timely updates on construction activity and traffic management information. Public service announcements shall be developed as part of the Contractor’s traffic management information.

(d) Neither the Contractor nor any of its subcontractors nor their employees shall conduct or participate in media interviews or events, radio or television broadcasts relating to the Project, without the consent and approval of HART, except in emergencies. In emergency situations, immediately notify HART of any situation that may involve the media.

7.24.10 **Public Notices**

(a) The Contractor shall prepare public notices and information for radio, television, and cable television and for the HART website and other media outlets to notify the public of inconveniences.
caused by the project works, including traffic and utility disruptions. The Contractor will submit public
notices for scheduled disruptions to HART at least fourteen (14) days in advance of the event.
Inconveniences caused by unpredictable events (e.g., damage to utility lines, extended street closures)
shall be communicated to the public as expeditiously as possible. Costs associated with production and
publication/airing of these updates will be borne by the Contractor as a part of this Contract.
(b) Submit to HART a regular project updates (monthly or as determined by HART) for
posting on the HRTP website and for use in other print and broadcast media outlets as needed. The
information should be designed to prepare Project area residents and business owners for construction and
to mitigate the impact of construction. HART has final approval on the content of these updates. Any
costs associated with production and publication/airing of these updates will be borne by the Contractor
as a part of this Contract.
7.24.11 Special Events
(a) The Contractor shall assist HART as needed with the planning and implementation of
special events that recognize significant Project milestone achievements, such as groundbreaking.

END OF SECTION
7.25 Project Identification

7.25.1 General

The Contractor shall provide temporary project identification signs and general construction signs as specified herein. The Contractor will install signs throughout the project to be placed in prominent auto traffic zones where construction is occurring and at the Contractor's main office and at all field offices. The signs will identify the rail transit project and will comply with Federal Transit Administration (FTA) requirements. The signs will also identify the Contractors name, the project 24-hour public information hotline number and the participating agencies. A sample of the Project Identification Board shall be submitted to HART, and shall be subject to HART’s review and comment. Signs and lettering shall be sized appropriate for the speed limit in the area using MUTCD size guidelines and be consistent with applicable City sign ordinance(s).

7.25.2 Project Identification Sign

The Contractor shall provide temporary project identification signs at locations specified in the Contract Documents or as designated by HART. The Contractor may place additional identical signs paid for by the Contractor; provided, however, they do not violate any anti-billboard/advertising laws, and it is acceptable to HART. The Contractor shall not place any other project identification signs on the right-of-way or within the limits of the Project.

7.25.3 Field Office Signs

(a) The Contractor shall provide field office identification signs as indicated or required. The Contractor shall provide field office identification signs for HART’s field office and the Contractor’s field office.

(b) The Design, Layout, and Size: Design, layout, style of lettering, and colors shall be as follows:

1. General construction signs shall be constructed from a sheet of plywood 4 feet by 8 feet (4’x 8’) or 3 feet by 6 feet (3’x 6’) in size, as appropriate for the location, mounted on two posts set in the ground.

2. Field office identification signs shall be constructed from a sheet of plywood 3 feet by 6 feet (3’x 6’) in size, for wall or post mounting, as appropriate for the location.

3. General Construction and field office identification signs shall be located as designated in the Contract Specifications or as designated by HART.

7.25.4 Signs and Installation

(a) Construction and installation of the signs shall follow the following specifications:

1. Materials: Construct sign faces with ⅜-inch thick, 5-ply, exterior grade, A-B faced, Douglas-fir plywood, APA-grade-stamped. The frame shall be nominal 2”-by- 2” or 2”-by-4” stock, either construction-grade Douglas fir or A-grade redwood. Posts shall be 4”-by-6” construction-grade Douglas fir, pressure-preservative-treated, 8 to 12 feet long as required for the location.

2. Construction: Set plywood signs into the frames. Miter and screw together frame corners. Screw sign to two 2”-by-6” Douglas-fir cleats and bolt to posts with at least two ⅜-inch bolts per post.
(3) **Installation:** Install sign posts in the ground a minimum of 3 feet deep to ensure stability, with the top of the sign horizontal, level, and even with the top of the posts, 7 feet minimum above the ground.

(4) **Painting:** Paint signs with one coat of primer sealer and two base coats of exterior semi-gloss enamel. Paint letters and logos in black on a white background. Use Helvetica font style for letters, unless otherwise indicated by HART.

(5) **Maintenance:** Keep signs clean and in good repair until completion of the Contract.

7.25.5 **Closeout**

Upon completion of the Work, the Contractor shall remove and dispose the signs off the Project site or leave the signs in place if requested by HART.

**END OF SECTION**
7.26 Product Requirements

7.26.1 Product Quality

(a) Materials, equipment, appliances, fixtures, and fabricated assemblies to be incorporated in the Work shall be new, except as may be indicated in the Contract Documents.

(b) Furnished/Installed Products

(1) Furnished products shall be incorporated in the Work as complete assemblies or systems with all appurtenances and installation of anchors, fasteners, and accessories as required providing a complete and finished product installation.

(2) Installed products with moving parts shall be fully operable at proper settings and levels according to manufacturers’ instructions and recommendations.

(3) Transportation and Delivery

(A) The Contractor shall arrange deliveries of materials and equipment according to the BPS and coordinate to avoid conflict with Work and conditions at the Project site.

(B) Materials shall be delivered in undamaged condition, in manufacturers’ original containers or packaging (where applicable), with identifying labels intact and legible. Packaged materials shall be in their original unbroken packages or containers.

(C) Cement, prepared dry mortar mixes, grouting material, plaster, and coloring material shall be delivered in original, unopened and sealed containers, bearing the brand and manufacturer’s name.

(c) Storage and Protection

(1) Receiving, storage, quality, and inventory control of equipment and materials required for Contract Work is the responsibility of the Contractor. The Contractor shall store materials in such a manner as to ensure preservation of their quality and fitness for the Work and protect materials and equipment from damage and corrosion during storage. Storage shall be arranged to provide easy access for inspection and identification of each shipment. On each container of parts, there shall be affixed an itemized list and description of contents.

(2) The Contractor shall perform periodic inspections of stored materials to ensure that materials are maintained under specified conditions and are free from damage or deterioration.

(d) Material Safety Data Sheets (MSDS)

(1) The Contractor shall furnish Material Safety Data Sheets (MSDS) for all materials to be incorporated in the Work.

(A) The Contractor shall provide a file drawer or drawers in the Contractor’s field office or other acceptable location for filing of all MSDSs. MSDSs shall be filed according to the Contract Specifications Section numbers and readily available for review by HART, jurisdictional inspection authorities, and all personnel engaged in the Work.
(2) The Contractor shall post MSDS’s for material that is flammable or otherwise hazardous on a bulletin board for this specific purpose. The bulletin board shall be located at the Project site, sheltered from rain and wind, and readily accessible to all personnel engaged in the Work.

END OF SECTION
7.27 **HART-Furnished Products**

7.27.1 **General**

The Contractor shall be responsible for inspecting and accepting all HART-furnished products, including materials and equipment. Once HART-furnished products have been accepted by the Contractor, the products shall be the responsibility of the Contractor’s.

7.27.2 **Contractor’s Responsibilities**

(a) Upon the Contractor’s inspection and acceptance of HART-furnished products, the Contractor shall assume custody and full responsibility of such products. The Contractor shall replace lost or damaged materials and equipment at no additional cost to HART should loss or damage occur after Contractor has assumed custody. In such an event, any requested time extensions shall be an unexcused delay.

(1) The Contractor shall inspect HART-furnished materials and equipment at time of pick up by the Contractor at the storage site or, in the event of delivery of such materials and equipment, at the time of delivery by the respective suppliers to the delivery sites. The Contractor shall submit certification to HART showing the quantity of accepted materials and equipment. The Contractor shall set aside all damaged materials and equipment and immediately notify HART and the delivery carrier in writing of the damage and circumstance of discovery.

(2) Should there be any discrepancies between the packing list and delivered materials the Contractor shall notify HART immediately.

(3) The Contractor shall provide an overall schedule of its requirements of HART-furnished products for its Work under the Contract. Any updates to the schedule must be made on a regular basis:

(A) The schedule must show the installation sequence of the HART-furnished products and the date on which the Contractor will pick up the products at the designated storage site or, in cases where HART has indicated the materials and equipment will be delivered, then the required dates of such deliveries, and approximate date of construction placement.

(B) Excess Materials: Upon Substantial Completion of the Work, the Contractor shall transport, unload, and stockpile all excess HART-furnished materials and equipment to a delivery location on Oahu, as determined by HART.

(C) Installation: The Contractor shall install HART-furnished materials and equipment accurately and, if applicable, pursuant to manufacturer’s instructions.

END OF SECTION
7.28  Mobilization

7.28.1  General

Upon NTP or other written instructions from HART, the Contractor shall proceed with preparation work and operations, including but not limited to those necessary for the movement of personnel, equipment, supplies and incidentals to the Project site; for the acquisition of all Work materials; for the establishment of all offices, buildings, and other facilities, excluding field office and Project site laboratories, necessary for the Work on the Project; and for all other Work and operations which must be performed, or costs incurred, prior to beginning Work on the various items on the Project site.

7.28.2  Maximum Allowed Amount for Mobilization

(a)  The maximum amount the Contractor is allowed to offer for mobilization is six percent (6%) of the total sum of all items within the group of items in which the mobilization item is included, excluding the price of the mobilization item. If the proposal submitted by the offeror indicates an amount in excess of the allowable maximum, the amount submitted by the offeror shall be reduced to the allowable maximum, and the total sum offer shall be adjusted to reflect any such reduction.

(b)  Payment: Partial payments will be made as follows:

(1)  When five percent (5%) of the total sum offer is earned, fifty percent (50%) of the amount proposed for mobilization will be paid;

(2)  When ten percent (10%) of the total sum offer is earned, seventy-five percent (75%) of the amount proposed for mobilization will be paid; and

(3)  When twenty percent (20%) of the total sum offer is earned, one hundred percent (100%) of the amount proposed for mobilization will be paid.

7.28.3  Demobilization

The cost of demobilization shall be considered incidental to the mobilization and no further allowances will be made for such costs.

END OF SECTION
7.29  **Field Engineering**

7.29.1  **General**

This Section includes the requirements for field engineering, including:

1. Qualified Services;
2. Lines and Grades;
3. Survey for Layout and Performance;
4. Surveying Accuracy and Tolerances in Setting Survey Stakes; and
5. Drilled Shaft Survey.

7.29.2  **Submittals**

(a) The Contractor shall complete survey notes, drawings, and calculations as the Work progresses and submit one copy of each survey document to HART for record purposes.

(b) The Contractor shall submit maps showing all final centerline, station, and other Contractor-installed monuments, properly prepared and submitted to HART for its records.

7.29.3  **Qualified Services**

The Contractor shall perform surveying services and field engineering services under direct supervision of a professional land surveyor or civil engineer currently licensed in the State of Hawai‘i. A civil engineer providing field surveying shall have a current professional land surveyors license in the State of Hawai‘i. The Contractor shall furnish a certificate that the completed lines, levels, and elevations are in conformity with the Contract.

7.29.4  **Lines and Grades**

(a) Primary control lines, monuments, and bench marks shall be set for completion of Work. In general, these will consist of the primary horizontal and vertical control points indicated in the Contract Documents. The Contractor shall establish work points for major structures, track alignments, and roadway alignments. The Contractor shall set survey monuments at each end of station platforms to establish platform finish elevations.

(b) The Contractor shall preserve primary control monuments set by HART. HART will replace or restore, at its earliest convenience, monuments that are destroyed or damaged.

(c) The Contractor shall temporarily suspend work and for such reasonable times as HART may require for resetting monuments destroyed or damaged by the Contractor’s operations. The Contractor will not be entitled to additional compensation or extension of time from such activity by HART. The Contractor shall be responsible for all other stakes or markers required to establish the lines and grades for the Work.

7.29.5  **Surveys for Layout and Performance**

(a) **Surveying Requirements**: The Contractor shall perform all surveys for layout and performance of the Work, reduce field notes, and make all calculations and drawings necessary to carry out such work. The Contractor shall check relative positions of all monuments and bench marks to be used and report any damage or out-of-position monuments to HART at once. The Contractor shall check such relative positions each time the Contractor uses such monument or benchmark.

(b) **Datum**: The Contractor shall verify all lines, levels, and elevations indicated in the Contract before any excavation or construction begins. Any discrepancy shall be immediately brought to
the attention of HART and any change shall be made in accordance with this instruction. The Contractor shall not be entitled to any additional payment if it fails to report the discrepancies before proceeding with work within the area affected by the discrepancies. The Contractor shall correctly locate all lines and grades and perform all measuring as required for the construction and completion of Work from established reference points and information shown in the Contract Documents.

(c) **Equipment and Personnel**: The Contractor shall ensure that instruments and other survey equipment are accurate and suitable for surveys required in accordance with recognized professional standards.

(d) **Field Notes and Records**: The Contractor shall provide original pages of all survey records to HART at intervals required by HART. Each field notebook shall be furnished to HART when filled or completed.

(e) **Use by HART**: HART may at any time use line and grade points and markers established by the Contractor. The Contractor’s surveys are a part of the Work and may be checked by HART at any time. The Contractor is responsible for any lines, grades, or measurements which do not comply with specified or proper tolerances, or which are defective, and for any resultant defects. The Contractor shall conduct resurveys or check surveys to correct errors indicated by review of the field notebooks or by survey checks by HART. HART is in no way obligated to conduct survey checks.

**7.29.6 Surveying Accuracy and Tolerances in Setting Survey Stakes**

(a) **Surveying Accuracy**: The Contractor shall control traverse field surveys and computations, including surveys of main control lines, to determine horizontal and vertical alignment of major structure components that meet accuracy requirements for Second Order, Class II, as defined by the Federal Geodetic Control Committee, and the accuracy requirements for Second Order, Class II Surveys as specified by the National Oceanic and Atmospheric Administration (NOAA), “Surveying Standards,” for construction staking or equipment installation.

(b) **Tolerances**: The Contractor shall meet tolerances generally applicable in setting survey stakes as set forth herein, unless stricter tolerances are required by the Contract Documents or the Technical Specifications.

**7.29.7 Drilled Shaft Survey**

Regarding drilled shaft surveys, the Contractor shall:

1. Re-survey each control point daily to ensure that movement of a drilled shaft has not occurred which affects the vertical or horizontal position of each of the survey control points therein. Immediately verify apparent changes in location.

2. Adjust published horizontal and vertical coordinates of drilled shaft survey points as necessary and provide revised coordinates to HART as soon as possible after verification of the location information.

3. Establish convergence pins and other controls as necessary.

4. The Contractor may submit a request to HART to reduce the frequency of re-survey to verify survey control points that are infrequently used and have not shown movement.

END OF SECTION
7.30 Cleaning

7.30.1 Cleaning and Cleanup During Construction

(a) The Contractor shall keep the Project site, including the Contractor’s Work and storage areas, in a neat, clean, and orderly condition at all times during the course of this Contract. HART may, at any time during construction, order a general cleanup of the Project site as part of the Work, and there shall be no additional cost to HART. Contractor shall provide general daily clean-up and disposal service for removal of waste, rubbish, trash, and debris away from the Project site.

(b) The Contractor shall perform cleaning of all facilities and ancillary buildings as required during construction to prevent accumulations of dust, dirt, soil, trash, and debris, so that a clean and safe working environment shall be present at all times.

(c) The Contractor shall keep walkways or designated pathways for authorized visitors neat and free of pebbles and other obstacles to walking comfortably, equivalent to broom clean of paved surfaces.

(d) The Contractor shall provide daily litter pickup within 1/2 block of the Project site in all directions and provide trash receptacles for workers’ lunches, cigarette butts, and other miscellaneous garbage.

7.30.2 Dust Control

(a) The Contractor shall clean interior spaces prior to the start of finish painting and the application of other finishes, and continues cleaning as required until such Work is completed.

(b) The Contractor shall schedule operations to prevent dust and other contaminants to prevent dust and contaminants from adhering to newly finished surfaces.

7.30.3 Disposal of Debris

(a) Waste, trash, and debris shall be disposed in a safe, acceptable manner, in accordance with applicable laws and ordinances and as prescribed by authorities having jurisdiction. Waste material and debris shall not be buried. Burning of trash and debris on the site shall not be permitted.

(b) Salvage of Materials. All materials such as signs, fencing, lava rock curb, traffic control lights, street lights, and guardrails belonging to public agencies shall be salvaged by the Contractor in substantially similar condition and returned to the appropriate agency as directed by HART or disposed of by the Contractor if directed by HART.

(c) All other salvage materials are assumed to be the property of the Contractor.

7.30.4 Final Site Cleanup

(a) Upon completion and prior to Final Acceptance, the Contractor shall thoroughly clean the entire Project site. The Project site shall be in a clean and neat, acceptable condition. The Contractor shall remove from the site all construction waste and unused materials, dunnage, loose rock and stones, excess earth, and debris of any description resulting from the Work.

(b) All pavement and paved walkways shall be hosed downed and scrubbed clean.

(c) Mortar droppings from concrete slabs and pavement shall be thoroughly removed where they occur, and all concrete flatwork and exposed vertical surfaces of concrete and masonry shall be hosed down and scrubbed clean.

(d) All new and existing drainage systems shall be free and clear.

(e) All conduit openings shall be cleaned and protected.
7.30.5 Sustainable Cleaning Products

The Contractor shall utilize cleaning products that meet Green Seal GS 37 or comply with the maximum VOC limits of Title 17.

7.30.6 Restoration and Precautions

(a) The Contractor shall protect property adjacent to the site of the project from damage and shall immediately restore property damaged by the Contractor to the condition it was in prior to the damage. Unless otherwise advised in writing by HART, the requirements in this Section shall be considered incidental to the Contractor's performance of the Contract.

(b) Buildings and other structures. If the site of the Project passes close to or under buildings and other structures, the Contractor shall protect all such buildings and structures by suitable means from any and all damages.

(c) Pavement, Curb and Gutter. The Contractor shall replace, restore and repair pavements, gutters, and curbs damaged or removed by the Contractor.

(d) Fences. The Contractor shall replace fences removed by the Contractor. Livestock shall not be allowed to escape when fences enclosing them are removed and replaced.

(e) Grass. When lawns are disturbed by trenching, the area over the trench shall be carefully graded and replanted with similar grass spaced over the trench so that the area is substantially similar to the condition it was in prior to the excavation.

(f) Trees and Shrubbery. Trees and shrubbery which must be disturbed shall be transplanted under the direction of the owner or lessee of the property to some other site and, upon completion of the backfill, shall be replanted on the original site, to the satisfaction of the said owner or lessee.

(g) Property Marks. The Contractor shall reference and replace marks, stakes, pipes, monuments of the property line, and similar objects which may be disturbed by the Contractor while performing the Contract. Any such replacements shall be certified by a surveyor licensed by the State of Hawai‘i.

(h) Sidewalks, Patios, Driveways and Other like Concrete Construction. When trenches are to be made across concrete sidewalks, patios, driveways, and other like concrete construction, the Contractor shall make neat cuts in the concrete with pavement saws, or other means acceptable to HART and shall thoroughly compact the backfill and reconstruct such construction with concrete similar to the existing construction.

(i) Topsoil. Where private land under cultivation is disturbed, the Contractor shall place the upper twelve inches of topsoil to one side, which shall not be mixed with the general excavated material. After backfill has been made to within twelve inches of the surface, the topsoil shall be replaced.

(j) Excavated Material. Unless other specified, all excavated material shall become the property of the Contractor and shall be hauled from the jobsite to an acceptable disposal site. Hauling of wet, dripping material over public streets is not permitted.

(k) Walls, Rock, and Masonry. The Contractor shall replace rock and masonry walls removed by the Contractor.

(l) After the construction, the Contractor shall restore the premises used for its operations to its original condition.

END OF SECTION
7.31 Construction Waste Management

The Contractor shall maximize the diversion of demolition and construction waste from landfill disposal by salvaging and recycling demolition and construction waste. This can include salvaging of non-hazardous demolition and construction waste, recycling non-hazardous demolition and construction waste, and disposing of non-hazardous demolition and construction waste. The Contractor shall reuse, salvage, or recycle as much of the waste materials as is economically feasible to minimize waste disposal in landfills or incinerators, thereby reducing disposal costs.

7.31.1 General

This Section includes administrative and procedural requirements for the salvaging of non-hazardous demolition and construction waste, recycling non-hazardous demolition and construction waste, and disposing of non-hazardous demolition and construction waste and includes:

(1) Performance Requirements;
(2) Waste Management Meetings;
(3) Construction Waste Management Plan (CWMP); and
(4) Construction Waste Management Resources

7.31.2 Submittals

(a) Within the Sustainability Action Plan (SAP) the contractor shall submit a Construction Waste Management Plan (CWMP) that includes a method of verification and means to track demolition waste reduction by volume or weight, construction waste disposal and diversion (salvaged and recycled) by volume and weight, post-consumer and post-industrial recycled materials, salvaged and reused materials, bio-based products, certified wood percentage, volatile organic compound (VOC) content and volume, office waste management, and other sustainable content to comply with the latest version of the LEED Reference Guide for Green Building Design and Construction.

(b) The CWMP should include calculations for end-of-project recycling rates, salvaged rates, and landfill rates itemized by waste material. Waste reduction progress information should be included in monthly reports and include documentation of recovery rate (if commingled), waste hauling certificates of receipts, and a brief narrative explaining how and to where each waste type has been diverted. Monthly reports are to be brief and quantitative in nature.

(c) Separate sections in the CWMP shall be included for demolition and construction waste. Quantities by weight or volume shall be indicated, using the same units of measure throughout the CWMP. CWMP shall include:

(1) Waste identification;
(2) Landfill options;
(3) Waste reduction work plan, including the following material wastes:
   (A) Cardboard
   (B) Clean dimensional wood
   (C) Beverage and food containers
   (D) Paper
   (E) Concrete
   (F) Concrete masonry units (CMU’s)
7.31.3 **Performance Requirements**

HART has established that this Project will generate the least amount of waste possible.

The Contractor’s goal for end-of-project rates for salvage/recycling is fifty percent (50%) by weight of construction and demolition waste.

7.31.4 **Waste Management Meetings**

(a) Construction waste management requirements shall be discussed in the Environmental Task Force (ETF) meetings conducted during the course of the Project. At these meetings, methods and procedures related to construction waste management shall be reviewed.
7.32 Closeout Procedures

7.32.1 General

This Section includes requirements for closeout procedures to ensure that the Contract is officially closed out upon its scheduled completion and that all required deliverables and documentation are received by HART from the Contractor.

7.32.2 Partial Acceptance

(a) The Officer-in-Charge may accept and place parts of the Project in service as completed and the Contractor shall give proper access to such portions for this purpose. However, use by the public without permission of the Officer-in-Charge shall not in any way be construed as an acceptance of the Work under the Contract and shall not in any way relieve the Contractor from the Contractor's obligation under the Contract.

(b) Occupancy Prior to Acceptance. HART may occupy or use any completed or partially completed portion of the Work at any stage prior to acceptance when such portion is designated by separate agreement with the Contractor, provided such occupancy or use is consented to by the Contractor's insurer. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided that HART and the Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage if any, security, maintenance, air conditioning, utilities, damage to the Project and insurance, and have agreed in writing concerning the period for correction of work and commencement of the guarantee required by the Contract. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld.

(c) Inspection. Immediately prior to such partial occupancy or use, the Officer-in-Charge and the Contractor shall jointly inspect the area to be occupied or used in order to determine and record the condition of the area.

(d) No Acceptance of Non-Complying Work. Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Project shall not constitute acceptance of work not complying with the requirements of the Contract.

7.32.3 Prior to Substantial Completion

(a) Prior to notifying HART that the Contract is substantially complete, including compliance with maintenance of site and final cleanup requirements, the Contractor shall inspect the Project and test all equipment with all of its subcontractors. The Contractor shall proceed to obtain required documents, including, but not limited to:

1. All written guarantees, warranties, maintenance agreements, final certifications required under the Contract;
2. All "as-built" drawings;
3. All record documents;
4. All certified payroll affidavits if not submitted earlier;
5. Certificate of plumbing and electrical inspection;
6. Certificate of building occupancy;
7. Certificate of soil and wood treatments;
8. Certificate of water system chlorination;
(9) Maintenance service contract; and
(10) A list of all equipment installed, tools, spare parts, instructions, and all operating and maintenance manuals required to operate and maintain the Work.

(b) The Contractor shall perform the following prior to requesting final inspection to determine Substantial Completion:

(1) Arrange to deliver tools, spare parts, extra materials, and similar items to a location designated by HART. Label with manufacturer’s name and model number, where applicable.
(2) Complete startup testing of facility systems.
(3) Submit test, adjust and balance records.
(4) Terminate and remove temporary facilities from Project site, along with mockups, construction tools, and similar elements.
(5) Advise HART of changeover of other utilities.
(6) Ensure that all utilities are connected and in working order.
(7) Ensure that all air conditioning and other major equipment are in acceptable working condition.
(8) Ensure that the building, structure, improvement, or site can be used for its intended purpose.
(9) Ensure that the completed Work conforms to the Contract Documents.
(10) Repair, reconstruct, restore, and replace the Work or any part thereof which is injured, damaged or vandalized.
(11) Ensure that the Project site is clean.

(c) The Contractor shall request HART in writing that the Contract is complete and ready for inspection after finding that everything is in order.

7.32.4 Substantial Completion

(a) The Contractor shall provide written notification to HART that the Project is complete and ready for inspection. HART shall then make a determination as to whether or not the Project is ready for inspection. If HART is not satisfied, the Contractor will be notified in writing of the items that require completion prior to inspection. After the Contractor complies with HART’s instructions, the Contractor will again submit, in writing, a request for inspection.

(b) The date of issuance certifying Substantial Completion by HART to the Contractor triggers certain Contract provisions, such as warranties, guarantees, and liabilities.

(c) A pre-final inspection will be conducted by HART upon written request for inspection. HART will inspect the Work with the Contractor. The Contractor’s Superintendent, subcontractors and suppliers shall be in attendance to answer the questions of HART’s inspection team. HART will examine the Work and all required deliverables and documentation will be reviewed.

(d) If the pre-final inspection discloses only minor discrepancies as determined by HART, HART will accept the Project as Substantially Complete and issue in writing, a list of the discrepancies that need to be corrected, including all documents required by the Contract, hereinafter referred to as the "punchlist," and the time in which the Contractor must complete the punchlist.
(e) The Contractor shall, within seven (7) days after receipt of the punchlist, proceed to complete the items on the punchlist. Upon completion, the Contractor shall submit a written request for a final inspection, after which, if HART finds that all discrepancies are satisfactorily corrected, HART will accept the Project as completed, hereinafter referred to as "Final Acceptance."

(f) If the Contractor fails to proceed or complete the punchlist within the specified time, the Officer-in-Charge may proceed to have such work performed at the Contractor's expense, and the Contractor's sureties will be liable therefore. HART shall be entitled to reasonable attorneys' fees, consultants' fees and costs necessarily incurred by the Contractor's refusal to complete the contract and to pay such costs of corrective work.

7.32.5 Final Acceptance

(a) The Contractor shall complete any specified training for HART personnel prior to Final Acceptance notification for the entire Contract.

(b) **If there are no outstanding items to be completed or corrected, the Contractor shall:**
   
   (1) Deliver tools, spare parts, instructions, and similar items required to operate and maintain the Work.
   
   (2) Make changeover of locks and all equipment and facilities and deliver keys and provide lock combinations to HART.
   
   (3) Upon Final Acceptance, the Contractor shall be relieved of its responsibility in maintaining and protecting the Work and Site and for injury to persons or property.
   
   (4) Prior to release of final payment, the Contractor shall submit, within thirty (30) days after Final Acceptance, or within such time as the Officer-in-Charge may allow, all remaining documents required by the Contract, including special guarantees, operation and maintenance manuals, including, warranties, maintenance agreements, final certifications, and similar documents as required by the Contract.

7.32.6 Contractor’s Demobilization

Upon satisfactory inspection of the Work by HART, HART will authorize the demobilization of the Contractor from the Project site and those areas along the right-of-way that have been occupied by the Contractor and the associated subcontractors. All temporary facilities and equipment, including but not limited to all materials, utility hookups, rubbish, and any other and all such items shall be removed, leaving the area neat and clean.

7.32.7 Contract Closeout Checklist

HART will complete the Contract Closeout Checklist (Sec.7.32- Exhibit 1). If HART’s review indicates that the Contractor has not met all requirements, HART will notify the Contractor of the deficiencies in writing.

7.32.8 Final Payment

Upon Final Acceptance of the Work by HART, HART will transmit a Release of and Certificate of Final Payment (Sec.7.32-Exhibit 2) to the Contractor for execution. After receipt of the executed Release of Certificate of Final Payment from the Contractor, HART will pay the approved invoice for final payment.

**Exhibits Attached**
### PROJECT CLOSEOUT CHECKLIST (TEMPLATE)

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>RESPONSIBILITY</th>
<th>Date complete</th>
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<tbody>
<tr>
<td>1</td>
<td>Punchlist completion</td>
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<td>2</td>
<td>Remove all temporary site facilities, trailers, etc.</td>
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<td>3</td>
<td>Collect all final invoices/billings: complete and deliver final billing</td>
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<td>4</td>
<td>Complete and collect all final lien waivers</td>
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<td>5</td>
<td>Final inspections/secure certificate of occupancy from code authority</td>
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<td>6</td>
<td>Contact insurance carrier(s) – policy end</td>
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<td>7</td>
<td>Final cleaning – interior</td>
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<td>8</td>
<td>Final cleaning/rubbish removal – site</td>
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<td>9</td>
<td>Secure as-built drawings (from subcontractors)</td>
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<td>10</td>
<td>Secure operations &amp; maintenance (O &amp; M) manuals</td>
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<td>11</td>
<td>Secure all product warranties (*may be part of O &amp; M)</td>
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<td>12</td>
<td>Facility systems start-up and HART employee training programs</td>
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<td>13</td>
<td>Supply HART with additional material and spare parts per spec</td>
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<td>14</td>
<td>Collect and transfer keys to HART prior to final keying</td>
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<td>15</td>
<td>Change over utility connections/fees (gas, electric, telephone, etc.)</td>
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<td>16</td>
<td>Reconcile change orders and retainages</td>
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<td>17</td>
<td>Prepare final manual(s) per specification</td>
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<td>18</td>
<td>Complete final A/E affidavits and closeout documents</td>
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<td>19</td>
<td>Notice of completion/closeout documents from A/E</td>
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### Release and Certificate of Final Payment

With reference to Contract/P.O. No. ____________________________ dated _________,  
(Name of Contractor) ___________________ and the HONOLULU AUTHORITY FOR RAPID TRANSPORTATION ("HART"),  
the Undersigned hereby certifies and represents that it has made full payment of all costs, charges and expenses incurred by it or on its behalf for work, labor, services, materials and equipment provided or used by the Contractor in connection with the Work under the said Contract/P.O.  
The Undersigned further certifies that to its best knowledge and belief, each of its subcontractors and materials has made full payment of costs, charges, and expenses incurred by them or on their behalf for work, labor, services, materials, and equipment provided or used by them in connection with the Undersigned's work under said subcontract and has obtained releases to that effect.  
In consideration of the final payment under the Contract, the Undersigned hereby unconditionally releases and forever discharges HART and the City and County of Honolulu ("City") from all claims, liens, and obligations of every nature arising out of or in connection with the performance of the said Contract and all amendments thereto, except as set forth below (or attached):  
\[Note: If none, write “None” in space above any claims excepted must be described and the specific amount claimed must be set forth.\]

As additional consideration for this payment, the Contractor agrees to the fullest extent of the law to indemnify and hold harmless HART and the City from and against all costs, losses, damages, claims, causes of action, judgments and expenses, including attorney's fees, arising out of or in connection with claims against HART or the City, which claims arise out of the performance of the Work under the Contract and which may be asserted by the Contractor or any of its suppliers, subcontractors of any tier or any of their representatives, officers, agents or employees except for those claims listed above (or attached), and except for claims arising out of the sole negligence or willful misconduct of the City or HART.  
The foregoing shall not relieve the Undersigned of its obligations under the provisions of said Contract, as amended, which by their nature survive completion of the Work including, without limitation, warranties, guarantees, and indemnitees.  
Executed this __________________ day of __________________, 20____  

(Name of Contractor) 

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<tr>
<th>SIGNED (AUTHORITY SIGNATORY FOR CONTRACTOR)</th>
<th>TITLE</th>
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END OF SECTION
7.33 Operation and Maintenance Data

7.33.1 Contractor’s Responsibilities

(a) The Contractor shall provide and install, where specified or directed, a printed sheet under framed clear acrylic plastic, giving brief, concise operating and maintenance instructions for all items of mechanical and electrical equipment and similar equipment and specialty items, as applicable, at their respective locations.

(b) The Contractor shall submit to HART via CMS, the manufacturer’s certificates, warranty slips, parts lists, descriptive brochures, maintenance and operating instructions for all equipment and systems installed, properly tabbed and identified for easy reference.

(1) The maintenance and operating instructions shall include a front page with a recognizable illustration of the equipment described, the name and function of the equipment, manufacturer’s identification number, and the Contract Specifications number and title.

(2) The maintenance and operating instructions shall also include information covering description, installation (including pre-installation inspection), operation (step-by-step procedures for starting, restarting, operating, shutdown, emergency requirements, and trouble-shooting), preventive maintenance, corrective maintenance, overhaul, calibration, list of recommended spare parts, and parts list with all necessary information, including part numbers and catalog item numbers, if applicable, for identifying parts, and whether such parts were obtained by another manufacturer and names of such manufacturers. Include information on performance specifications and operating limitations and safety precautions.

(3) Before Final Acceptance and after receipt from HART notifying the Contractor that the maintenance and operating instructions do not conform or are properly drafted, Contractor shall revise and resubmit via CMS the revised instructions for HART’s review.

(4) Before Final Acceptance, the Contractor shall provide instructions to designated HART personnel in the operation, adjustment, and maintenance of all installed equipment and systems.

END OF SECTION
7.34  **Project Record Documents**

7.34.1  **Maintenance of Record Documents**

(a)  **The Contractor shall maintain at the Project site relevant contractual documents for record purposes** (“Record Documents”), including, but not limited to:

1. Conformed Contract Documents, including Contract Drawings and Contract Specifications
2. Change Orders
3. Submittals provided to HART
4. Clarifications or explanatory details
5. Inspection reports
6. Laboratory test records
7. Field test reports and records
8. Factory test reports and records
9. Interface documents

(b) Record Documents shall not be used for construction or fabrication purposes. Record Documents shall be used for record purposes only and stored in the Contractor’s field office or other accepted location, apart from the documents used for construction.

(c) Work shall not be permanently concealed until the required information has been recorded.

(d) The Contractor shall maintain electronic files for shop drawings and other documents which are required to be submitted electronically. The Contractor shall ensure that backups of electronic files are made regularly after Record Documents are updated.

(e) The Contractor shall provide files and racks for storage of documents at the field office for easy access.

(f) The Record Documents shall be filed in accordance with the section number and title of the Contract Specifications.

(g) The Record Documents shall be maintained in a clean, dry, legible condition.

(h) The Contractor shall make documents available at all times for inspection by HART and make copies of electronic documents available upon HART’s request.

7.34.2  **Record Documents: As-Built Drawings**

(a) The Contractor shall maintain one set of full size As-Built Drawings of all Work and subcontractors’ work continuously as the job progresses. The Contractor shall keep a separate set of prints, for this purpose only, at the Contractor’s field office at all times.

(b) The Contractor shall mark As-Built Drawings in red ink or in red pencil, if sharp, neat and clearly legible; to show all variations between actual construction(s) and that are indicated or specified in the Contract Drawings. The As-Built Drawings shall show deviations from the Contract Drawings in detail. Deviations from the Contract Drawings include utilities and services, mechanical and electrical lines, details, and other Work installed in walls or otherwise concealed. The As-Built Drawings shall show location of main runs, whether wiring, piping, conduit, ductwork, or drain lines, by dimension and elevation. Shop drawings may be used to reflect record conditions, in which case, the Contractor shall
mark the appropriate Contract Documents to refer to such shop drawings as part of the record configuration.

(c) HART may withhold progress payments if As-Built Drawings are not kept current.

(d) Where a choice of material or method is permitted herein or where variations in scope or character of Work from that of the original Contract Documents are authorized, the Contractor shall mark the As-Built Drawings to define the construction actually provided. For equipment installation, As-Built Drawings shall show the size, manufacturer’s name, model number, and power input or output characteristic applicable.

(e) Contractor-furnished drawings shall be of sufficient size, scale, and detail.

(f) Prior to final inspection, the Contractor shall deliver via the CMS the marked-up record drawings and a letter of certification stating that construction is in accordance with the requirements of the Contract Documents and as represented in the attached As-Built drawings. The following information shall be included, at minimum, in the letter of certification:

1. Date of submission
2. Project title and number
3. The Contractor’s name and address
4. Title and number of each record drawing, group in categories or divisions of work or as specified by HART
5. Certification that each document as submitted is complete and accurate
6. Signature of the Contractor’s authorized representative

7.34.3 Record Documents: Change Orders

(a) Changes, as provided in Change Orders, shall be incorporated into the record contract drawings. The Contractor shall identify the changes by Change Order number and the effective date.

(b) When revised Contract Drawings are issued as the basis of or along with Change Orders, the Contractor shall incorporate the revised drawings into the As-Built Drawings and annotate as a Change Order.

7.34.4 Record Documents: Specifications

(a) Contract Specifications:

1. File Contract Specifications for record purposes in one or more large-ring, 3-ring binder or binders.
2. The Contractor shall maintain the most current and updated specifications.
3. All information, changes, and notes shall be legibly recorded.
4. In applicable Contract Specification sections, record the manufacturer, trade name, catalog number, and supplier of each product and item of equipment actually furnished and installed, including manufacturer and supplier’s address and telephone number.
5. The record specifications shall be complete and shall include all applicable Contract Documents other than drawings.
(6) Change Order:

(A) The Contractor shall incorporate Change Orders into the front of the record Contract Specifications in chronological order starting from the most recent Change Order. Appropriate page dividers shall be used to identify Change Orders and to separate Change Orders from the original Contract Specifications.

(B) Contract shall legibly annotate changes to the Contract Specifications as a result of Change Order on the affected page or pages of the Contract Specifications or adjacent thereto.

END OF SECTION
7.35  **Spare Parts**

7.35.1  **Spare Parts**

(a) The Contractor shall provide specific spare parts in quantities as specified in the individual sections of the Contract Specifications.

(b) Spare parts shall be identical to the parts installed in the Work.

(c) Wear: The Contractor shall provide spare parts for components which may be expected to require regular replacement under normal maintenance schedules, such as mechanical parts subject to continuous operation.

(d) Consumability: The Contractor shall provide spare parts for components with a life-expectancy of less than five (5) years.

(e) One-Time Limited Service: The Contractor shall provide spare parts that normally require replacement after performing their function one time, such as fuses.

(f) Long Lead Time: The Contractor shall provide spare parts for components that are not readily available from distributors, such as for custom-fabricated components.

(g) Exchange Assemblies: The Contractor shall provide assemblies which will be exchanged with malfunctioning units for installed equipment and which shall be inventoried as complete assemblies.

**END OF SECTION**
7.36 **Demonstration and Training**

7.36.1 **Contractor’s Responsibilities**

As a part of its duties and responsibilities under the Contract, the Contractor shall:

1. Provide training sessions, training manuals, and training aids for HART and its authorized entities.
2. Prior to final inspection and Final Acceptance, provide instruction and training to HART’s designated personnel in the operation, start-up and shut-down, adjustment, troubleshooting, servicing, and preventive maintenance of all installed equipment and facility systems.
3. Provide training manuals and other instructional materials and teaching aids required to perform the instruction and training. All such instructional materials and teaching aids shall become the property of HART. HART reserves the right to copy all training manual and teaching aids for use in HART-conducted training courses.
4. Provide classroom and/or on-site instruction, as appropriate, if requested by HART for the particular installed equipment or system.
5. Provide the services of manufacturers’ representatives for instruction and training when special equipment and systems require the knowledge and expertise of various manufacturers for proper operation and servicing of such equipment and systems and/or requested by HART.

7.36.2 **Videotapes of Training Sessions**

HART has the right to videotape any and all training sessions presented by the Contractor. HART also has the right to use these videotapes for future HART-conducted training courses.

**END OF SECTION**
7.37 Materials and Equipment

7.37.1 Short Supply Materials and Equipment

(a) HART does not assume any responsibility for the availability of any materials required under this Contract. Unless otherwise specified in the solicitation documents, the Offeror shall be considered as having taken into account the availability of materials required under the Contract when submitting a proposal.

(b) **Price Adjustment for Short Supply Materials.** HART recognizes that certain items of material to be incorporated into the Project and/or used in performance of the Work may be temporarily in short supply, beyond the control and without fault of either HART or the Contractor. The effects of such shortages may result in periodic fluctuations in the posted prices of such short supply materials. However, the only materials that will be considered to be in short supply under this Contract are Asphalt Bitumen, Portland Cement, Ready-Mix Concrete, Crushed Stone, Base Course, Rolled Steel (including Structural Steel, Pipe, Shaft Casing, and Galvanized Steel), and Reinforcing Bars (Rebar) (hereafter, collectively referred to as “Short Supply Material”).

(c) **Procedure for Adjustment.** The Engineering News Record (ENR) Construction Economics, 20-city average price shall be the basis for determining an adjustment in price of Short Supply Material. If the Current ENR 20-City Average Price (the ENR 20-city average price at the time of delivery of the materials at the Project site) of the Short Supply Material increases or decreases by more than 10% from the Base ENR 20-City average price (the ENR 20-city average price at the time of submission of the final Proposal), the Contractor may submit to HART a written request for an equitable price adjustment no later than thirty (30) days upon delivery of the Short Supply Material and in no event after the start of incorporating the materials into the Project Work.

(d) No price adjustment will be allowed when the increase or decrease in the Current ENR 20-City Average Price for Short Supply Material is less than 10% of the Base ENR 20-City average.

(e) If the Current ENR 20-City Average Price decreases greater than 10% below the Base ENR 20-City Average Price of Short Supply Material, HART shall be credited the difference.

(f) When a price adjustment is made in accordance with this Section, the price adjustment will be allowed so long as the Current ENR 20-City Average Price of Short Supply Material remains at least 10% more or 10% less than the Base ENR 20-City Average Price until the end of the month of the delivery of the Short Supply Material.

(g) **Compensation formulas.** The Short Supply Material price adjustment formula will be used only when the increase or decrease is greater than 10% of the Base ENR 20-City Average Price. Price adjustment computation for the Short Supply Material will be as follows:

1. PA=Q(SMCP−1.10SMBP), if the increase is greater than 10% of the base ENR 20-city price;
2. PA=Q(SMCP−0.90SMBP), if the decrease is greater than 10% of the Base ENR 20-city price;
   • PA=Price adjustment in dollars;
   • Q=Total installed quantity of the specific Short Supply Material installed during the month (as an example; tons of asphalt, base course, crushed stone or cost per hundred weight ($/cwt) for steel or rebar);
• SMCP = Short Supply Material Current Price in the ENR 20-city average for the specific material; and

• SMBP = Short Supply Material Base Price in the ENR 20-city average for the specific material.

END OF SECTION

END OF CHAPTER
# APPENDIX A

## FEDERAL REQUIREMENTS

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1.0 General
The CONTRACTOR understands that Federal laws, regulations, policies, and related administrative practices applicable to this Agreement on the date signed may be modified from time to time. The CONTRACTOR agrees that the most recent of such Federal requirements will govern the administration of the Agreement at any particular point in time, except if HART issues a written determination otherwise. To achieve compliance with changing Federal requirements, the CONTRACTOR agrees to include notice in each subcontract that Federal requirements may change and that the changed requirements will apply to the subcontract as required.

1.1 No Government Obligation to Third Parties

(a) HART and the CONTRACTOR acknowledge and agree that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying Agreement, absent the express written consent by the Federal Government, the Federal Government is not a party to this Agreement and shall not be subject to any obligations or liabilities to HART, the CONTRACTOR, or any other party (whether or not a party to that Agreement) pertaining to any matter resulting from the underlying Agreement.

(b) The CONTRACTOR agrees to include the above clause in each subcontract. It is further agreed that the clause shall not be modified, except to identify the subcontractor who will be subject to its provisions.

1.2 Program Fraud and False or Fraudulent Statements and Related Acts

(a) The CONTRACTOR acknowledges that the provisions of the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. §§ 3801 et seq. and U.S. DOT regulations, "Program Fraud Civil Remedies," 49 C.F.R. Part 31, apply to its actions pertaining to this Project. Upon execution of the underlying Agreement, the CONTRACTOR certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or causes to be made, pertaining to the underlying Agreement or the FTA assisted project for which this Agreement work is being performed. In addition to other penalties that may be applicable, the CONTRACTOR further acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986 on the CONTRACTOR to the extent the Federal Government deems appropriate.

(b) The CONTRACTOR also acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under an Agreement connected with a project that is financed in whole or in part with Federal assistance originally awarded by FTA under the authority of 49 U.S.C. Chapter 53, the Federal Government reserves the right to impose the penalties of 18 U.S.C. § 1001 and 49 U.S.C. § 5323(l) on the CONTRACTOR, to the extent the Federal Government deems appropriate.

(c) The CONTRACTOR shall include the above two clauses in each subcontract. It is further agreed that the clauses shall not be modified, except to identify the subcontractor who will be subject to the provisions.

1.3 Access to Records and Reports

(a) The CONTRACTOR shall provide HART, the FTA Administrator, the Comptroller General of the United States or any of their authorized representatives access to any books, documents, papers and
records of the CONTRACTOR which are directly pertinent to this Agreement for the purposes of making audits, examinations, excerpts and transcriptions. The CONTRACTOR shall, pursuant to 49 C.F.R. § 633.17, provide the FTA Administrator or his authorized representatives, including any Project Management Oversight Contractor, access to the CONTRACTOR’s records and construction sites pertaining to a major capital project, defined at 49 U.S.C. § 5302(a)(l), which is receiving federal financial assistance through the programs described at 49 U.S.C. §§ 5307, 5309 or 5311.

(b) The CONTRACTOR shall permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

(c) The CONTRACTOR shall maintain all books, records, accounts and reports required under this Agreement for a period of not less than three (3) years after the date of termination or expiration of this Agreement, except in the event of litigation or settlement of claims arising from the performance of this Agreement, in which case the CONTRACTOR shall maintain the same until HART, the FTA Administrator, the Comptroller General of the United States, or any of their duly authorized representatives, have disposed of all such litigation, appeals, claims or exceptions related thereto.

1.4 Federal Changes

The CONTRACTOR shall at all times comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the Master Agreement between the City and the FTA, as they may be amended or promulgated from time to time during the term of this Agreement. The CONTRACTOR’s failure to so comply shall constitute a material breach of this Agreement.

1.5 Civil Rights Requirements

The CONTRACTOR shall comply with the following requirements and include the following requirements in each subcontract, modified only if necessary to identify the affected parties:

(a) Nondiscrimination. In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, and Federal transit law at 49 U.S.C. § 5332, the CONTRACTOR shall not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, or disability. In addition, the CONTRACTOR shall comply with applicable Federal implementing regulations and other implementing requirements FTA may issue.

(b) Equal Employment Opportunity. The following equal employment opportunity requirements apply to the underlying Agreement:

(1) Race, Color, Creed, National Origin, Sex. In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. § 2000e, and Federal transit laws at 49 U.S.C. § 5332, the CONTRACTOR shall comply with all applicable equal employment opportunity requirements of U.S. Department of Labor (U.S. DOL) regulations, "Office of Federal Agreement Compliance Programs, Equal Employment Opportunity, Department of Labor," 41 C.F.R. Parts 60 et seq., (which implement Executive Order No. 11246, "Equal Employment Opportunity," as amended by Executive Order No. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," 42 U.S.C. § 2000e), and with any applicable Federal statutes, executive orders, regulations, and Federal policies that may in the future affect construction activities undertaken in the course of the Project. The CONTRACTOR shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, national origin, sex, or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other
forms of compensation; and selection for training, including apprenticeship. In addition, the CONTRACTOR shall comply with any implementing requirements FTA may issue.

(2) **Age.** In accordance with section 4 of the Age Discrimination in Employment Act of 1967, as amended, 29 U.S.C. § 623 and Federal transit law at 49 U.S.C. § 5332, the CONTRACTOR shall refrain from discrimination against present and prospective employees for reason of age. In addition, the CONTRACTOR shall comply with any implementing requirements FTA may issue.

(3) **Disabilities.** In accordance with section 102 of the Americans with Disabilities Act, as amended, 42 U.S.C. § 12112, the CONTRACTOR shall comply with the requirements of the U.S. Equal Employment Opportunity Commission, "Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act," 29 C.F.R. Part 1630, pertaining to employment of persons with disabilities. In addition, the CONTRACTOR shall comply with any implementing requirements FTA may issue.

(4) **Access for Individuals with Disabilities.** The CONTRACTOR shall comply with 49 U.S.C. § 5301(d), which states the Federal policy that elderly individuals and individuals with disabilities have the same right as other individuals to use public transportation services and facilities, and that special efforts shall be made in planning and designing those services and facilities to implement transportation accessibility rights for elderly individuals and individuals with disabilities.

### 1.6 Disadvantaged Business Enterprises (DBE)

(a) **DBE Assurances.** The CONTRACTOR and its subcontractors shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Agreement. The CONTRACTOR shall carry out applicable requirements of 49 C.F.R. Part 26 in the award and administration of U.S. DOT-assisted Agreements. Failure by the CONTRACTOR to carry out these requirements is a material breach of this Agreement, which may result in termination of this Agreement or such other remedy, as HART deems appropriate.

The above paragraph shall be included in each subcontract the CONTRACTOR signs with a subcontractor.

(b) **Prompt Payment.** The CONTRACTOR shall pay all subcontractors (DBEs and non-DBEs) for satisfactory performance of their subcontracts no later than ten (10) days from receipt of payment by HART. Full and prompt payment by the CONTRACTOR to all subcontractors shall include retainage, if applicable.

(c) **DBE Goal.** HART has established an overall DBE goal of 13.00% for the duration of this agreement and a separate contract goal has not been established for this procurement. DBE firms and small businesses shall have an equal opportunity to participate in the agreement. The CONTRACTOR shall adhere to the following requirements:

1. Take affirmative steps to use as many of the race-neutral means of achieving DBE participation identified at 49 C.F.R. § 26.51(b) as practicable to afford opportunities to DBEs to participate in the Agreement. A race-neutral measure is one that is, or can be, used to assist all small businesses.

2. A DBE firm must perform a commercially useful function, i.e., must be responsible for the execution of a distinct element of the work and must carry out its responsibility by actually performing, managing and supervising the work; and

3. A DBE firm must be certified by the Hawai’i State Department of Transportation before its participation is reportable under paragraph (d) below;
(d) Reports to HART. The CONTRACTOR shall report its DBE participation obtained through race-neutral means throughout the period of performance. The CONTRACTOR shall submit the “DBE PARTICIPATION REPORT” reflecting payments made by the CONTRACTOR to DBE subcontractors. Payments to the CONTRACTOR will not be processed if the DBE PARTICIPATION REPORT is not properly completed and attached. The DBE PARTICIPATION REPORT shall be prepared in the format set forth in Attachment 1.6(a).

(e) Records. On request, the CONTRACTOR shall make available for inspection, and assure that its subcontractors make available for inspection:

1. Records of prompt payments made in accordance with Section 1.6(b), above;
2. The names and addresses of DBE subcontractors, vendors, and suppliers under this Agreement;
3. The dollar amount and nature of work of each DBE subcontractor;
4. The social/economic disadvantaged category of the DBE firms, i.e. Black American, Hispanic American, Native American, Subcontinent Asian American, Asian Pacific American, Non-Minority Women, or Other; and
5. Other related materials and information.

(f) The CONTRACTOR shall promptly notify HART, whenever a DBE subcontractor performing work related to this Agreement is terminated or fails to complete its work. The CONTRACTOR shall also promptly notify HART of a DBE subcontractor’s inability or unwillingness to perform and provide reasonable documentation.

(See Attachments 1.6(a) and (b).)

1.7 Government-Wide Debarment and Suspension (Non-procurement)

(a) This Agreement is a covered transaction for purposes of 2 C.F.R. § 180.220(6) and 2 C.F.R. § 1200.220. As such, the CONTRACTOR is required to verify that none of the CONTRACTOR, its principals, as defined at 2 C.F.R. § 180.995, or affiliates, as defined at 2 C.F.R. § 180.905, are excluded or disqualified as defined at 2 C.F.R. § 180.940 and 2 C.F.R. § 180.935.

(b) The CONTRACTOR is required to comply with 2 C.F.R. 180, Subpart C, as supplemented by 2 C.F.R. 1200, Subpart C, and must include the requirement to comply with 2 C.F.R. 180, Subpart C, as supplemented by 2 C.F.R. 1200, Subpart C, in any lower tier covered transaction equal to or exceeding $25,000 it enters into. By signing the Agreement, the CONTRACTOR certifies as follows:

The certification in this clause is a material representation of fact relied upon by HART. If it is later determined that the CONTRACTOR knowingly rendered an erroneous certification, in addition to remedies available to HART, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment. The CONTRACTOR agrees to comply with the requirements of 2 C.F.R. § 180, Subpart C, as supplemented by 2 C.F.R. § 1200, Subpart C, throughout the Agreement period. The CONTRACTOR further agrees to include a provision requiring such compliance in its lower tier covered transactions equal to or exceeding $25,000.

1.8 Buy America Requirements
For contracts exceeding $100,000, the CONTRACTOR shall comply with 49 U.S.C. § 5323(j) and 49 C.F.R. Part 661 et seq., which provide that Federal funds may not be obligated unless steel, iron, and manufactured products used in FTA-funded projects are produced in the United States, unless a waiver has been granted by the FTA or the product is subject to a general waiver. General waivers are listed in 49 C.F.R. §661.7. A bidder or offeror must submit to HART the Buy America certification (attached as Attachment 1.8(a)) with all bids or offers, except those subject to a general waiver.

1.9 Lobbying

For contracts exceeding $100,000, the "CERTIFICATION REGARDING LOBBYING," as executed by the CONTRACTOR in Exhibit 1.9(a). The CONTRACTOR and its subcontractors at every tier shall comply with U.S. DOT regulations, "New Restrictions on Lobbying," 49 C.F.R. Part 20, modified as necessary by 31 U.S.C. § 1352, which requires that no Federal appropriated funds shall be used to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal Agreement, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose the name of any registrant under the Lobbying Disclosure Act of 1995 who has made lobbying contacts on its behalf with non-Federal funds with respect to that Federal Agreement, grant, or award covered by 31 U.S.C. § 1352. Such disclosures are forwarded from tier to tier up to HART.

1.10 Clean Air Requirements

(a) For contracts exceeding $100,000, the CONTRACTOR shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. §§ 7401 et seq. The CONTRACTOR shall report each violation to HART and understands and agrees that HART will, in turn, report each violation as required to FTA and the appropriate EPA Regional Office.

(b) The CONTRACTOR shall include the above clause in each subcontract exceeding $100,000.

1.11 Clean Water Requirements

(a) The CONTRACTOR shall comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§ 1251 et seq. The CONTRACTOR shall report each violation to HART and understands and agrees that HART will, in turn, report each violation as required to FTA and the appropriate EPA Regional Office.

(b) The CONTRACTOR shall include the above clause in each subcontract exceeding $100,000.

1.12 Cargo Preference

(a) The CONTRACTOR shall use privately-owned United States-Flag commercial vessels to ship at least fifty percent (50%) of the gross tonnage (completed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to the underlying contract to the extent such vessels are available at fair and reasonable rates for United States-Flag commercial vessels.

(b) The CONTRACTOR shall furnish within twenty (20) working days following the date of loading for shipments originating within the United States or within thirty (30) working days following the date of loading for shipments originating outside the United States, a legible copy of a rated "on-board" commercial
ocean bill-of-lading in English for each shipment of cargo described in the preceding paragraph to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, D.C. 20590 and HART (through the Contractor in the case of a subcontractors’ bill-of-lading).

1.13 Fly America Requirements

(a) The CONTRACTOR shall comply with 49 U.S.C. § 40118 (the “Fly America Act”) in accordance with the General Services Administration’s regulations at 41 C.F.R. Parts 301-10, which provide that HART and sub-recipients of Federal funds and their consultants are required to use U.S. Flag air carriers for U.S. Government-financed international air travel and transportation of their personal effects or property, to the extent such service is available, unless travel by foreign air carrier is a matter of necessity, as defined by the Fly America Act. The CONTRACTOR shall submit, if a foreign air carrier was used, an appropriate certification or memorandum adequately explaining why service by a U.S. flag air carrier was not available or why it was necessary to use a foreign air carrier and shall, in any event, provide a certificate of compliance with the Fly America requirements.

(b) The CONTRACTOR shall include the requirements of this section in all subcontracts that may involve international air transportation.

1.14 Davis-Bacon and Copeland Anti-Kickback Acts

(a) Minimum Wages.

(i) All laborers and mechanics employed or working upon the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR Part 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein, provided, that the employer’s payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph (a)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the CONTRACTOR and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(ii) (A) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the
following criteria have been met:

(1) Except with respect to helpers as defined as 29 CFR 5.2(n)(4), the work to be performed by the classification requested is not performed by a classification in the wage determination;

(2) The classification is utilized in the area by the construction industry;

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination; and

(4) With respect to helpers as defined in 29 CFR 5.2(n)(4), such a classification prevails in the area in which the work is performed.

(ii) (B) If the CONTRACTOR and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within thirty (30) days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(ii) (C) In the event the CONTRACTOR, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within thirty (30) days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(ii) (D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(ii) (B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the CONTRACTOR shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the CONTRACTOR does not make payments to a trustee or other third person, the CONTRACTOR may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program; provided, that the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the CONTRACTOR to set aside in a separate account assets for the meeting of obligations under the plan or program.

(v) (A) The contracting officer shall require that any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefor only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed
by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the CONTRACTOR and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within thirty (30) days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(C) In the event the CONTRACTOR, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination with thirty (30) days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(v)(B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(b) Withholding. HART shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the CONTRACTOR under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the CONTRACTOR or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the contract, HART may, after written notice to the CONTRACTOR, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

(c) Payrolls and Basic Records.

(i) Payrolls and basic records relating thereto shall be maintained by the CONTRACTOR during the course of the work and for a period of three (3) years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program.
described in section 1(b)(2)(B) of the Davis-Bacon Act, the CONTRACTOR shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii) (A) The CONTRACTOR shall submit weekly for each week in which any contract work is performed a copy of all payrolls to HART for transmission to the Federal Transit Administration. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under section 5.5(a)(3)(i) of Regulations, 29 CFR part 5. This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal Stock Number 029-005-00014-1), U.S. Government Printing Office, Washington, DC 20402. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors.

(ii) (B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the CONTRACTOR or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be maintained under section 5.5(a)(3)(i) of Regulations, 29 CFR part 5 and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(ii) (C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

(ii) (D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

(iii) The CONTRACTOR or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the Federal Transit Administration or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the CONTRACTOR or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the CONTRACTOR, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.
(d) **Apprentices and Trainees.**

(i) **Apprentices.** Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his or her first ninety (90) days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the CONTRACTOR as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a CONTRACTOR is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the CONTRACTOR’s or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator of the Wage and Hour Division of the U.S. Department of Labor determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Bureau of Apprenticeship and Training, or a State Apprenticeship Agency recognized by the Bureau, withdraws approval of an apprenticeship program, the CONTRACTOR will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) **Trainees.** Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws
approval of a training program, the CONTRACTOR will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) **Equal Employment Opportunity.** The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

(e) **Compliance with CopeLand Act Requirements.** The CONTRACTOR shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

(f) **Subcontracts.** The CONTRACTOR or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the Federal Transit Administration may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

(g) **Contract Termination: Debarment.** A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a CONTRACTOR and a subcontractor as provided in 29 CFR 5.12.

(h) **Compliance with Davis-Bacon and Related Act Requirements.** All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

(i) **Disputes Concerning Labor Standards.** Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the CONTRACTOR (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

(j) **Certification of Eligibility.**

(i) By entering into this contract, the CONTRACTOR certifies that neither it (nor he or she) nor any person or firm who has an interest in the CONTRACTOR's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).


**1.15 Contract Work Hours and Safety Standards Act**

(a) **Overtime Requirements.** No CONTRACTOR or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty (40) hours in such workweek.

(b) **Violation; Liability for Unpaid Wages; Liquidated Damages.** In the event of any violation of the clause set forth in paragraph (a) of this section the CONTRACTOR and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such CONTRACTOR and subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be
computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (a) of this section, in the sum of Ten Dollars ($10) for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty (40) hours without payment of the overtime wages required by the clause set forth in paragraph (a) of this section.

(c) Withholding for Unpaid Wages and Liquidated Damages. HART shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the CONTRACTOR or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such CONTRACTOR or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b) of this section.

(d) Subcontracts. The CONTRACTOR or subcontractor shall insert in any subcontracts the clauses set forth in paragraphs (a) through (d) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (a) through (d) of this section.

1.16 Equal Employment Opportunity


1.17 Veterans Employment

As provided by 49 U.S.C. §5324(k), to the extent practicable, the CONTRACTOR agrees and assures that its subcontractors: (1) will give a hiring preference to veterans, as defined in 5 U.S.C. § 2108, who have the skills and abilities required to perform construction work required under a third party contract in connection with a capital project supported with funds made available or appropriated for 49 U.S.C. Chapter 53; and (2) will not give preference to any veteran over any equally qualified applicant who is a member of any racial or ethnic minority, female, an individual with a disability, or a former employee.

1.18 Seismic Safety

The CONTRACTOR agrees that any new building or addition to an existing building will be designed and constructed in accordance with the standards for Seismic Safety required in Department of Transportation Seismic Safety Regulations 49 C.F.R. Part 41 and will certify to compliance to the extent required by the regulation. The CONTRACTOR also agrees to ensure that all Work performed under this Contract, including Work performed by a subcontractor is in compliance with the standards required by the Seismic Safety Regulations and the certificate of compliance issued on the Project.

1.19 Energy Conservation Requirements

(a) The CONTRACTOR shall comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.
(b) The CONTRACTOR shall include the above clause in each subcontract at every tier. It is further agreed that the clause shall not be modified, except to identify the subcontractor who will be subject to the provisions.

1.20 Recycled Products

The CONTRACTOR agrees to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act as amended (42 U.S.C. § 6962), including but not limited to the regulatory provisions of 40 C.F.R. Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 C.F.R. Part 247.

1.21 ADA Access

The CONTRACTOR shall comply with the Americans with Disabilities Act of 1990 (ADA), as amended, 42 U.S.C. §§ 12101 et seq., which requires that accessible facilities and services be made available to individuals with disabilities; and with the Architectural Barriers Act of 1968, as amended, 42 U.S.C. §§ 4151 et seq., which requires that buildings and public accommodations be accessible to individuals with disabilities, and any subsequent amendments to these laws. In addition, the CONTRACTOR agrees to comply with all applicable implementing Federal regulations and directives and any subsequent amendments thereto.

1.22 Text Messaging While Driving

In accordance with Executive Order No. 13513, Federal Leadership on Reducing Text Messaging While Driving, October 1, 2009, 23 U.S.C.A. § 402 note, and DOT Order 3902.10, Text Messaging While Driving, December 30, 2009, the CONTRACTOR is encouraged to comply with the terms of the following:

(a) Definitions.

(1) "Driving" means operating a motor vehicle on a roadway, including while temporarily stationary because of traffic, a traffic light, stop sign, or otherwise. "Driving" does not include being in your vehicle (with or without the motor running) in a location off the roadway where it is safe and legal to remain stationary.

(2) "Text Messaging" means reading from or entering data into any handheld or other electronic device, including for the purpose of short message service texting, e-mailing, instant messaging, obtaining navigational information, or engaging in any other form of electronic data retrieval or electronic data communication. The term does not include the use of a cell phone or other electronic device for the limited purpose of entering a telephone number to make an outgoing call or answer an incoming call, unless the practice is prohibited by State or local law.

(b) Safety. The CONTRACTOR is encouraged to:

(1) Adopt and enforce workplace safety policies to decrease crashes caused by distracted drivers including policies to ban text messaging while driving:

(i) CONTRACTOR-owned or CONTRACTOR-rented vehicles or Government-owned, leased or rented vehicles;

(ii) Privately-owned vehicles when on official Project related business or when performing any work for or on behalf of the Project; or

(iii) Any vehicle, on or off duty, and using an employer supplied electronic device.
(2) Conduct workplace safety initiatives in a manner commensurate with the CONTRACTOR's size, such as:

(i) Establishment of new rules and programs or re-evaluation of existing programs to prohibit text messaging while driving; and

(ii) Education, awareness, and other outreach to employees about the safety risks associated with text messaging while driving.

(3) Include this Special Provision in its subagreements with its subrecipients and third party contracts and also encourage its subrecipients, lessees, and third party contractors to comply with the terms of this Special Provision and include this clause in each subagreement, lease, and subcontract at each tier financed with Federal assistance provided by the Federal Government.

1.23 Sensitive Security Information

The CONTRACTOR, as a third party contractor must protect, and take measures to ensure that its subcontractors at each tier protect, "sensitive security information" made available during the administration of a third party contract or subcontract to ensure compliance with 49 U.S.C. § 40119(b) and implementing U.S. DOT regulations, "Protection of Sensitive Security Information," 49 C.F.R. Part 15, and with 49 U.S.C. § 114(r) and implementing Department of Homeland Security regulations, "Protection of Sensitive Security Information," 49 C.F.R. Part 1520.

1.24 Incorporation of FTA Terms

(a) The Special Provisions include, in part, certain Standard Terms and Conditions required by the U.S. DOT, whether or not expressly set forth in the preceding provisions. All contractual provisions required by the U.S. DOT, as set forth in FTA Circular 4220.1F are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Agreement. The CONTRACTOR shall not perform any act, fail to perform any act, or refuse to comply with any HART requests which would cause HART to be in violation of the FTA terms and conditions.

(b) The CONTRACTOR shall include the above clause in each subcontract financed in whole or in part with Federal assistance provided by FTA, modified only if necessary to identify the affected parties.
### ATTACHMENT 1.6 a) – DBE PARTICIPATION REPORT

**DBE PARTICIPATION REPORT**
This report shall be submitted with each invoice as a condition of payment under this Contract.

<table>
<thead>
<tr>
<th>Project Name:</th>
<th>Consultant Name:</th>
</tr>
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<tbody>
<tr>
<td>Contract No:</td>
<td></td>
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</table>

**Federal ID No.:**
(OWP WE #, FTA Grant #, FHWA Project #)

**Contract Amount (including amendments):** $ ______

<table>
<thead>
<tr>
<th>Period Covered By This Report:</th>
<th>Current (Invoice #)</th>
<th>Total to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Invoice Amount</td>
<td>(A) $ _____</td>
<td>(B) $ ______</td>
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</table>

**Payment Requested:**

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<thead>
<tr>
<th>DBE? (Yes/No)</th>
<th>DBE Code (if &quot;Yes&quot;)</th>
<th>Prior Amount*</th>
<th>Current Amount*</th>
<th>Total Amount to Date*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prime Consultant</td>
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<td>$ _____</td>
<td>$ _____</td>
<td>$ _____</td>
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</table>

Subcontractors (attach additional sheets as needed):

<table>
<thead>
<tr>
<th>Name:</th>
<th>Type of Work:</th>
<th>Prior Amount*</th>
<th>Current Amount*</th>
<th>Total Amount to Date*</th>
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**TOTALS**

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<td>(B) $ ______</td>
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</tbody>
</table>

**DBE Participation to Date (C/B)**

*Insert dollar amounts for DBEs only*

Attachment 1.6 a) - Federal Requirements

12/2013
Acknowledgment of Prompt Payments by Contractors to Subcontractors:

As a duly authorized representative of the company I fully understand and testify that our company has complied with the following prompt payment by Contractors to subcontractors, terms and conditions.

1) Any money paid to Contractor for work performed by a subcontractor shall be disbursed to the subcontractor within ten (10) days after receipt of the money in accordance with the terms of the subcontract; provided that the subcontractor has met all the terms and conditions of the subcontract and there are no bona fide disputes on which the Contracting Officer has withheld payment.

2) Upon final payment to Contractor, full payment to the subcontractor, including retainage, shall be made within ten (10) days after receipt of the money; provided there are no bona fide disputes over the subcontractor's performance under the subcontract.
ATTACHMENT 1.6 b) - FINAL REPORT OF DBE PARTICIPATION

This report must be submitted by the Consultant with the final invoice or request for payment under this contract.

Project Title: ________________________________

Consultant Name: ________________________________

Project No.: __________________ Contract No.: __________________

Period Covered by this Report: __________________

Contract Amount (including amendments): $ ___________

Final Payment Amount: $ ___________ Invoice No.: _______________

Total Payment to DBE: $ __________

<table>
<thead>
<tr>
<th>All Subcontractors (DBE and non-DBE) &amp; DBE Suppliers or Manufacturers</th>
<th>Type of Service or Materials Provided</th>
<th>Subcontract Amount</th>
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</thead>
<tbody>
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<td>Name</td>
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<td>Telephone No.</td>
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</tr>
</tbody>
</table>

Add additional sheets as necessary.

______________________________
Signature

______________________________
Print Name & Title
Acknowledgment of Prompt Payments by Contractors to Subcontractors:

As a duly authorized representative of the company I fully understand and testify that our company has complied with the following prompt payment by Contractors to subcontractors, terms and conditions.

1) Any money paid to Contractor for work performed by a subcontractor shall be disbursed to the subcontractor within ten (10) days after receipt of the money in accordance with the terms of the subcontract; provided that the subcontractor has met all the terms and conditions of the subcontract and there are no bona fide disputes on which the Contracting Officer has withheld payment.

2) Upon final payment to Contractor, full payment to the subcontractor, including retainage, shall be made within ten (10) days after receipt of the money; provided there are no bona fide disputes over the subcontractor’s performance under the subcontract.

Printed Name and Title

Signature

Date
ATTACHMENT 1.6 b) - FINAL REPORT OF DBE PARTICIPATION

Instructions for completing the final report of DBE participation:

All subcontractors, suppliers and manufacturers should be listed on the FINAL REPORT OF DBE PARTICIPATION in the same order as listed in the proposal.

Project Title: Self Explanatory
Project No.: Self Explanatory
Period Covered by this Report: Same period as invoice period
Consultant Name: Self-Explanatory
Consultant No: Self-Explanatory
Contract Amount (including amendments): Less Mobilization, Force Account Items and Allowance Items
Amendments should be listed separately with an explanation of how it was allocated to DBEs and non-DBEs

Invoice No.: Self-Explanatory
Final Payment Amount: Self-Explanatory
Total Payment to DBE Total $ amount paid to DBE
Acknowledgement of Prompt Payment Self-Explanatory
APPENDIX B-1

TASK ORDER PROCEDURES

a) Any services to be furnished under this contract shall be ordered by issuance of Task Orders. The following individuals are authorized to issue Task Orders hereunder:

Names and contact information:

Officer-in-Charge xxx-xxx-xxxx 1099 Alakea Street, Suite 2300 Honolulu, Hawaii 96813

To Be Determined xxx-xxx-xxxx To Be Determined

d) Task Orders issued under this contract shall be issued on the Task Order Form included herein as Attachment B-2, incorporated by this reference. Task Orders will include the following information:

a. Date issued;
b. Contract number and Task Order number;
c. Scope of Services;
d. Unit Rates (as set forth in Exhibit 22a and/or Exhibit 22b as applicable) and quantities;
e. Task Order Substantial Completion Date;
f. Applicable Plans and Specifications;
g. Deliverables, submittals, reports; and
h. Other information, as required.

c) If mailed, a Task Order is considered "issued" when HART deposits the Task Order in the mail. Task Orders may also be issued by facsimile or electronically, and in such instances are considered “issued” when sent by HART.

d) The Contractor is precluded from refusing a Task Order issued under the Contract. Failure to provide performance and payment bonds and/or failure to perform Work under a Task Order issued under the Contract in a timely manner shall be cause for termination for default.

TASK ORDER LIMITATIONS

a) Minimum order: $1,000,000.00

HART is not required to order any requirements from the Contractor less than of the minimum-order limitation.

b) Contract Not to Exceed Amount: The total of all Task Orders issued under this contract shall not exceed the contract Not to Exceed Amount of FOUR HUNDRED MILLION and NO/100 Dollars ($400,000,000.00).
TASK ORDER PROCEDURES

Authorized HART individuals identified above, or a duly appointed representative designated in writing, may issue a Task Order. Each Task Order issued shall become a part of this contract. Task Orders will describe the services to be performed and/or submittals and reports to be delivered, as set forth in the Task Order documents, or as otherwise instructed by HART.

The CONTRACTOR shall review the Task Order scope of services and estimated cost as issued. If HART does not receive a CONTRACTOR proposal within five (5) days from Task Order issuance the Task Order will be deemed accepted.

If CONTRACTOR is not in agreement with the estimated cost, estimated quantities, labor mix, level of effort, or the Task Order Substantial Completion Date, the CONTRACTOR shall, within five (5) days from Task Order issuance, prepare a proposal that provides the following information:

a) A detailed cost proposal estimate setting forth CONTRACTOR’s estimated quantities, unit rates from the Exhibit 22a – Cost Proposal – Schedule of Rates Pricing Form, and/or if required, the labor mix, level of effort, labor rates per category, extended cost and total estimated cost;

b) A proposed schedule for completion of the Task Order;

c) A description of the technical and management approach CONTRACTOR will employ to accomplish the work; and

d) Any required supporting documentation.

Within five (5) days of receipt of the CONTRACTOR’s proposal, HART will evaluate the proposal and will determine if modification of the Task Order is required.

In no case shall the CONTRACTOR exceed the amounts authorized under the Task Order or incur charges outside the Period of Performance without obtaining a written amendment to the Task Order.
APPENDIX B-2
TASK ORDER FORM

Date Issued __________________
Contract No. __________________
Task Order No. __________________

Issued To: (CONTRACTOR)  Issued By: (HART)

________________________________________
________________________________________

Description of Task Order Services/Deliverables:

Location of Services:

Period of Performance:

In accordance with the Special Provisions of Contract No. ________________, this Task Order is issued and hereby authorizes CONTRACTOR to perform the following services under the terms and conditions set forth herein.

<table>
<thead>
<tr>
<th>Work Category / Item No.</th>
<th>Unit Rate</th>
<th>QTY</th>
<th>Total</th>
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Other Cost(s)

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TOTAL Work + Other Costs $ -
Upon execution of this Task Order, CONTRACTOR agrees to be bound by and to comply with all of the terms and conditions contained in the above referenced contract, as well as the Special Provisions and General Conditions contained herein. Within ten (10) days from issuance of this Task Order Contract shall provide the performance and payment bonds required in accordance with the Special Provisions and General Conditions of the Contract.

Authorized By:

Honolulu Authority for Rapid Transportation (HART)

Name: __________________________

Signature: ________________________

Title: ____________________________

Date: ____________________________

APPROVED AS TO FORM AND LEGALITY:

Deputy Corporation Counsel
EXHIBIT A
SURETY BID BOND

Bond No.

KNOW TO ALL BY THESE PRESENTS:
That we, ____________________________, as Bidder, hereinafter called Principal, and
(Full name or legal title of Bidder)
_____________________________, as Surety, hereinafter called Surety,
(Name of bonding company)
a corporation authorized to transact business as a Surety in the State of Hawaii, are held and firmly bound
unto the HONOLULU AUTHORITY FOR RAPID TRANSPORTATION, as Owner, hereinafter
called Owner, in the penal sum of ___________________DOLLARS ($________), lawful money of the United States of America, for the payment of which sum well and truly to be made,
the said Principal and the said Surety bind ourselves, our heirs, executors, administrators, successors and
assigns, jointly and severally, firmly by these presents.

WHEREAS:
The Principal has submitted an offer for ________________________________.
(Project number, if available, and description)

NOW, THEREFORE:
The condition of this obligation is such that if the Owner shall reject said offer, or in the alternate,
accept the offer of the Principal and the Principal shall enter into a Contract with the Owner in accordance
with the terms of such offer, and give such bond or bonds as may be specified in the solicitation or
Contract Documents with good and sufficient surety for the faithful performance of such Contract and for
the prompt payment of labor and material furnished in the prosecution thereof as specified in the
solicitation then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed this ___day of ________, 20___.

By Its ___________________________ (Principal)

By Its ___________________________ (Surety)

By Its ___________________________ (Attorney-in-Fact)
EXHIBIT B
PERFORMANCE BOND (SURETY)

KNOW TO ALL BY THESE PRESENTS:

That ____________________________,

(Full Legal Name and Street Address of Contractor)

as Contractor, hereinafter called Principal, and ____________________________

(Name and Street Address of Bonding Company)

as Surety, hereinafter called Surety, a corporation(s) authorized to transact business as a

surety in the State of Hawaii, are held and firmly bound unto the Honolulu Authority for Rapid

Transportation, its successors and assigns, hereinafter called Obligee, in the amount of

Dollars ($__________), to which payment Principal and Surety bind themselves, their heirs, executors,

administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the above-bound Principal has signed a Contract with Obligee on

__________________________, for the following project:__________________________

__________________________,

__________________________,

__________________________

hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

NOW THEREFORE, the condition of this obligation is such that:

1. If the Principal shall promptly and faithfully perform, and fully complete the Contract in
   strict accordance with the terms of the Contract as said Contract may be modified or amended from time
   to time, then this obligation shall be void; otherwise to remain in full force and effect.

2. Surety to this Bond hereby stipulates and agrees that no changes, extensions of time,
   alterations, or additions to the terms of the Contract, including the work to be performed thereunder, and
   the specifications or drawings accompanying same, shall in any way affect its obligation on this bond, and
   it does hereby waive notice of any such changes, extensions of time, alterations, or additions, and agrees
   that they shall become part of the Contract.

3. In the event of Default by the Principal, of the obligations under the Contract, then after written
   Notice of Default from the Obligee to the Surety and the Principal and subject to the limitation of the
   penal sum of this bond, Surety shall remedy the Default, or take over the work to be performed under the

HART GENERAL CONDITIONS for CONSTRUCTION
EXHIBIT B

Contract and complete such work, or pay moneys to the Obligee in satisfaction of the surety's performance obligation on this bond.

Signed this _______ day of ________________, ______.

(Seal)  
Name of Principal (Contractor)

*  
Signature

Title

(Seal)  
Name of Surety

*  
Signature

Title

*ALL SIGNATURES MUST BE ACKNOWLEDGED BY A NOTARY PUBLIC
EXHIBIT C

LABOR AND MATERIAL PAYMENT BOND (SURETY)

KNOW TO ALL BY THESE PRESENTS:

That ________________________________

(Full Legal Name and Street Address of Contractor)
as Contractor, hereinafter called Principal, and ________________________________

(Name and Street Address of Bonding Company)
as Surety, hereinafter called Surety, a corporation(s) authorized to transact business as a surety in the State of Hawaii, are held and firmly bound unto the Honolulu Authority for Rapid Transportation, its successors and assigns, hereinafter called Obligee, in the amount of ________________________________ Dollars ($_____________), to which payment Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the above-bound Principal has signed a Contract with the Obligee on _________________ for the following project: ________________________________

hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

NOW THEREFORE, the condition of this obligation is such that if the Principal shall promptly make payment to any Claimant, as hereinafter defined, for all labor and materials supplied to the Principal for use in the performance of the Contract, then this obligation shall be void; otherwise to remain in full force and effect.

1. Surety to this Bond hereby stipulates and agrees that no changes, extensions of time, alterations, or additions to the terms of the Contract, including the work to be performed thereunder, and the specifications or drawings accompanying same, shall in any way affect its obligation on this bond, and it does hereby waive notice of any such changes, extensions of time, alterations, or additions, and agrees that they shall become part of the Contract.

2. A "Claimant" shall be defined herein as any person who has furnished labor or materials to the Principal for the work provided in the Contract.

3. Every Claimant who has not been paid amounts due for labor and materials furnished for work provided in the Contract may institute an action against the Principal and its Surety on this bond at the time and in the manner prescribed in Section 103D-324, Hawaii Revised Statutes, and have the rights and claims adjudicated in the action, and judgment rendered thereon; subject to the Obligee’s priority on this bond. If the full amount of the liability of the Surety on this bond is insufficient to pay the full
amount of the claims, then after paying the full amount due the Obligee, the remainder shall be distributed pro rata among the claimants.

Signed this ______ day of ______________, ______.

(Seal)

Name of Principal (Contractor)

* Signature

Title

(Seal)

Name of Surety

* Signature

Title

*ALL SIGNATURES MUST BE ACKNOWLEDGED
BY A NOTARY PUBLIC
KNOW TO ALL BY THESE PRESENTS:

That we ________________________________

(full legal name and street address of Contractor)
as Contractor, hereinafter called Contractor, is held and firmly bound unto the Honolulu Authority for
Rapid Transportation, its successors and assigns as Obligee, in the amount of

$_____________________, lawful money of the United States of America, for payment of which to the said Obligee, well and truly to be made, Contractor binds itself, its heirs, executors, administrators, successors and assigns, firmly by these presents. Said amount is evidenced by:

[ ] Legal tender;

[ ] Share Certificate unconditionally assigned to or made payable at sight to ________________________________.

Description: ________________________________;

[ ] Certificate of Deposit No.___________, dated _______ issued by ________________________________

__________________________________________, drawn on ________________________________, a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to ________________________________;

[ ] Cashier's Check No.___________, dated _______ drawn on ________________________________

__________________________________________, a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to ________________________________;

[ ] Teller's Check No.___________, dated _______ drawn on ________________________________

__________________________________________, a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to ________________________________;

[ ] Treasurer's Check No.___________, dated _______ drawn on ________________________________

__________________________________________, a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to ________________________________;

[ ] Official Check No.___________, dated _______ drawn on ________________________________

__________________________________________, a bank, savings institution or credit union insured by the
Federal Deposit Insurance Corporation or the National Credit Union Administration,
payable at sight or unconditionally assigned to: ____________________________.

Certified Check No. __________, dated _______________ accepted by a
bank, savings institution or credit union insured by the Federal Deposit Insurance
Corporation or the National Credit Union Administration, payable at sight or
unconditionally assigned to: ____________________________.

WHEREAS:

The Contractor has by written agreement dated ______________, entered into a contract with
Obligee for the following Project

________________________________________

hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

NOW, THEREFORE:

The condition of this obligation is such that, if Contractor shall promptly and faithfully perform
the Contract in accordance with, in all respects, the stipulations, agreements, covenants and conditions of
the Contract as it now exists or may be modified according to its terms, and shall deliver the Project to the
Obligee, or to its successors or assigns, fully completed as in the Contract specified and free from all liens
and claims without further cost, expense or charge to the Obligee, its officers, agents, successors or
assigns, free and harmless from all suits or actions of every nature and kind which may be brought for or
on account of any injury or damage, direct or indirect, arising or growing out of the doing of said work or
the repair or maintenance thereof or the manner of doing the same or the neglect of the Contractor or its
agents or servants or the improper performance of the Contract by the Contractor or its agents or servants
or from any other cause, then this obligation shall be void; otherwise it shall be and remain in full force
and effect.

AND IT IS HEREBY STIPULATED AND AGREED that suit on this bond may be brought
before a court of competent jurisdiction without a jury, and that the sum or sums specified in the said
Contract as liquidated damages, if any, shall be forfeited to the Obligee, its successors or assigns, in the
event of a breach of any, or all, or any part of, the covenants, agreements,
conditions, or stipulations contained in the Contract or in this bond in accordance with the terms thereof.

HART GENERAL CONDITIONS for CONSTRUCTION
Exhibit D

The amount of this bond may be reduced by and to the extent of any payment or payments made in good faith hereunder.

Signed and sealed this _____ day of ____________, 20__.

(Contractor)

(Seal) *By_____________________________
        Its

(Seal) *By_____________________________
        Its

*ALL SIGNATURES MUST BE ACKNOWLEDGED
BY A NOTARY PUBLIC
EXHIBIT E

LABOR AND MATERIAL PAYMENT BOND
(alternative form)

KNOW TO ALL BY THESE PRESENTS:

That we ____________________________ (full legal name and street address of Contractor), as Contractor, hereinafter called Contractor, is held and firmly bound unto the Honolulu Authority for Rapid Transportation, its successors and assigns as Obligee, hereinafter called Obligee, in the amount of ____________________________ Dollars ($_______), lawful money of the United States of America, for payment of which to the said Obligee, well and truly to be made, Contractor binds itself, its heirs, executors, administrators, successors and assigns, firmly by these presents. Said amount is evidenced by:

[ ] Legal tender;

[ ] Share Certificate unconditionally assigned to or made payable at sight to ____________________________;

   Description ____________________________;

[ ] Certificate of Deposit No. __________, dated __________ issued by ____________________________, drawn on ____________________________, a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to: ____________________________;

[ ] Cashier's Check No. __________, dated __________ drawn on ____________________________, a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to:

[ ] Teller's Check No. __________, dated __________ drawn on ____________________________, a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to:

HART GENERAL CONDITIONS for CONSTRUCTION
WHEREAS:

The Contractor has by written agreement dated __________, entered into a contract with Obligee for the following Project: __________________________, hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

NOW, THEREFORE:

The condition of this obligation is such that, if Contractor shall promptly and faithfully perform the Contract in accordance with, in all respects, the stipulations, agreements, covenants and conditions of the Contract as it now exists or may be modified according to its terms, free from all liens and claims and without further cost, expense or charge to the Obligee, its officers, agents, successors or assigns, free and harmless from all suits or actions of every nature and kind which may be brought for or on account of any injury or damage, direct or indirect, arising or growing out of the doing of said work or the repair or maintenance thereof or the manner of doing the same or the neglect of the Contractor or its agents or servants or the improper performance of the Contract by the Contractor or its agents or servants or from any other cause, and shall promptly pay all persons supplying labor and materials for the performance of the Contract, then this obligation shall be void; otherwise it shall be and remain in full force and effect.

AND IT IS HEREBY STIPULATED AND AGREED that suit on this bond may be brought before a court of competent jurisdiction without a jury, and that the sum or sums specified in the said Contract as liquidated damages, if any, shall be forfeited to the Obligee, its successors or assigns, in the event of a breach of any, or all, or any part of, the covenants, agreements, conditions, or stipulations contained in the Contract or in this bond in accordance with the terms thereof.

AND IT IS HEREBY STIPULATED AND AGREED that this bond shall inure to the benefit of any and all persons entitled to file claims for labor performed or materials furnished in said work so as to give any and all such persons a right of action as contemplated by Sections 103D-324(d) and 103D-324(e), Hawaii Revised Statutes.

HART GENERAL CONDITIONS for CONSTRUCTION
EXHIBIT E

The amount of this bond may be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment of mechanics' liens which may be filed of record against the Project, whether or not claim for the amount of such lien be presented under and against this bond.

Signed and sealed this _____ day of ______________, 20__.

(Contractor)

(Seal)  *By ______________________
         Its

(Seal)  *By ______________________
         Its

*ALL SIGNATURES MUST BE ACKNOWLEDGED
BY A NOTARY PUBLIC
### EXHIBIT F

**INSURANCE PREMIUM WORKSHEET**

#### PROJECT IDENTIFICATION

- **Awarding Contractor Name:**
- **Your Contract Number:**
- **Location of Work:**

#### INFORMATION ABOUT THE AWARDED CONTRACTOR

- **Contractor Name:**
- **Federal Tax ID (FEIN):**
- **Contract Amount:**
- **Expected # of Subcontractors:**
- **Expected Subcontracts Value:**
- **Are any Employees Leased?** □ YES □ NO (select one)

#### I. ESTIMATED WORKERS COMPENSATION PROJECT PAYROLLS AND PREMIUMS (ON-SITE PAYROLLS ONLY)

<table>
<thead>
<tr>
<th>WC Class Description</th>
<th><em>Class Code</em></th>
<th><em>Estimated Hours</em></th>
<th><em>Estimated Pay Rate</em></th>
<th><em>WC Rate/$100 payroll</em></th>
<th><em>Estimated Payroll</em></th>
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**Total/Average:**

| A. EL Increased Limits Factor: | *1. Total Manual Premium: $ |
| B. Experience Modification Factor: | *2. EL Increased Limits Amount: (1xA) $ |
| C. WC Scheduled Credit/Debit Factor: | *3. Total Subject Premium: (1+2) $ |
| D. WC Premium Discount Factor: | *4. Total Modified Premium: (3xB) $ |
| E. Other Credit/Surcharge Factor/TRIA: | *5. WC Scheduled Credit/Debit Amount: (4xC) $ |
| F. General Excise Tax (GET) 4.5% | *6. Total Standard Premium: (4+5) $ |
| G. Charge for Deductible Losses (rate/$100 pay): (Include if Deductible Credit applies) | *7. WC Premium Discount Amount: (6xD) $ |
| | *8. Discounted WC Premium: (6+7) $ |
| | *9. Other Credit/Surcharge Amount: (E x payroll/100) $ |
| | *10. State Modified WC Premium: (8+9) $ |
| | *11. State-Specific Credit/Surcharge Amount: (10xF) $ |
| | *12. Net WC Premium: (10+11) $ |
| | *13. Deductible Charge Amount: (G x (Total Est Payroll÷100)) $ |
| | *14. Total WC Charge Amount: (12+13) $ |

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**HART GENERAL CONDITIONS for CONSTRUCTION**
### II. ESTIMATED GENERAL LIABILITY AND EXCESS LIABILITY PROJECT EXPOSURES AND PREMIUMS (ON-SITE EXPOSURES ONLY)

<table>
<thead>
<tr>
<th>GL Class Description</th>
<th>*Class Code</th>
<th>*Exposure Basis</th>
<th>*GL Rate</th>
<th>*Premium</th>
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**Total/Average:**

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**A. Charge for Deductible Losses (Rate/Rating Unit): (include if Deductible Credit applies)**

1. Total GL Premium: 

2. Deductible Charge Amount: \( A \times \text{Total Est Rating Unit} \)

3. Profit/Overhead

4. General Excise Tax (GET) 4.5%

**Amount of Deductible:**

5. Total GL Charge Amount: \( 1 + 2 + 3 + 4 \)

6. Est Cost of Ins for Subcontracted Work


### EXCESS Class Description

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<tr>
<th>*Class Code</th>
<th>*Exposure Basis</th>
<th>*GL Rate</th>
<th>*Premium</th>
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**II. GENERAL LIABILITY AND EXCESS LIABILITY TOTAL:**

(5. + 6. + 7.)

**TOTAL ESTIMATED WORKERS COMPENSATION, GENERAL LIABILITY AND EXCESS PREMIUMS:**

8. Grand Total Including Subcontractors: (I. + II)

**AUTHORIZATION**

*Authorized By: __________________________ Title: __________________________

*Signature: __________________________ Date: __________________________

It is extremely important to accurately estimate payroll exposure anticipated for this contract. The rates shown are subject to verification against your policy. Please contact your agent/broker with any questions regarding this form. You are required to provide copies of the declaration and rate pages from your Workers Compensation and General Liability policies, along with satisfactory supporting documentation for your loss and handling charges.

**INSURANCE PREMIUM WORKSHEET MUST BE SUBMITTED WITH YOUR ESCROWED PROPOSAL DOCUMENT**

HART GENERAL CONDITIONS for CONSTRUCTION
EXHIBIT G - Reserved
CERTIFICATE OF CURRENT COST OR PRICING DATA

This is to certify that, to the best of my knowledge and belief, cost or pricing data as defined in section 3-122-122, HAR, and submitted pursuant to section 3-122-125, HAR; either actually or by specific identification in writing to the officer-in-charge in support of *__________________________ are accurate, complete, and current as of ** _______________________.

(Month, day, year)

This certification includes the cost or pricing data supporting any advance agreement(s) between the offeror and HART which are part of the proposal.

Firm: ____________________________
Signature: ____________________________

(Print name & title of person signing)

***Date of execution: ____________________________

* Describe the project and reference (i.e. project name, PCD No., field change, change order number, etc.).

** The date should be a mutually determined date prior to but as close to the date when price negotiations were concluded and the price was agreed to as possible.

*** Date of execution should be as soon after the date when price negotiations were concluded and the contract price was agreed to as practical.
EXHIBIT I

AGREEMENT
(NAME CHANGE)

Notification is given that the name of ________________________________

has been changed, effective ____________________________, to

_______________________________. In accordance with

Section 3-125-14(3) of the Hawaii Administrative Rules, the corporation/sole

proprietorship/partnership/joint venture (circle one) of

______________________________

(insert new name and address)

hereby agrees that all other terms and conditions of the contract(s) listed

below, entered into between the HONOLULU AUTHORITY FOR RAPID TRANSPORTATION and

______________________________

(insert previous name)

are in full force and effect. A copy of the Articles of Amendment to Change Corporate Name (or other
document indicating the name change) is attached hereto.

Contract No. PROJECT NAME AND DESCRIPTION

By __________________________

Its

By __________________________

Its

Dated: _______________________

ACCEPTED:

HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

By _______________________

Executive Director and CEO

Dated _____________________

HART GENERAL CONDITIONS for CONSTRUCTION
EXHIBIT K

ACKNOWLEDGEMENT OF OUTSTANDING CLAIMS

(Date)
Executive Director and CEO
Honolulu Authority for Rapid Transportation
1099 Alakea Ave, Suite 1700
Honolulu, Hawaii 96817

Subject: Contract No. ______________________

As of this date, ______________________, (Contractor) ______________________ acknowledges receipt of the following outstanding bodily injury or death and property damage claims made by third parties arising out of the performance of its work in connection with the subject contract. The Contractor agrees to notify HART of the final disposition of said claims; or, if no final disposition of such claims, their status before actual payment of any amount withheld by HART.

1. __________________________________________

2. __________________________________________

3. __________________________________________

Sincerely,

______________________________
(Authorized Signature)

______________________________
(Contractor’s Name)
EXHIBIT L

CERTIFICATION OF COMPLIANCE WITH HRS 396-18, SAFETY AND HEALTH PROGRAMS

PROJECT NAME AND NUMBER:

This is to certify that the undersigned will comply with the requirements of HRS § 396-18, as follows:

(A) Pursuant to HRS § 396-18, all bids and proposals in excess of $100,000 shall include a signed certification from the bidder that a written safety and health plan for the job will be available and implemented by the notice to proceed dates of the project. The written safety and health plan shall include:

(1) A safety and health policy statement reflecting management commitment;
(2) A description of the safety and health responsibilities of all levels of management and supervisors on the job, and a statement of accountability appropriate to each;
(3) The details of:
   (a) The mechanism for employee involvement in job hazard analysis;
   (b) Hazard identification, including periodic inspections and hazard correction and control;
   (c) Accident and “near-miss” investigations; and
   (d) Evaluations of employee training programs.
(4) A plan to encourage employees to report hazards to management as soon as possible and to require management to address these hazards promptly; and
(5) A certification by a senior corporate or company manager that the plan is true and correct.

(B) Failure to submit the required certification may be grounds for disqualification of the bid.

(C) Failure to have available on site or failure to implement the written safety and health plan by the project’s Notice to Proceed Dates shall be considered willful noncompliance and be sufficient grounds to disqualify the award and terminate the contract.

______________________________
Name of Contractor

______________________________
Signature and Title

______________________________
Date

HART GENERAL CONDITIONS for CONSTRUCTION
EXHIBIT M
ESCROW AGREEMENT

THIS ESCROW AGREEMENT (this "Agreement") is made and entered into this ____________, 20___, by and among the Honolulu Authority for Rapid Transportation ("HART") and ___________________________ ("the Offeror") and ("Escrow Agent") with reference to the following facts:

HART has issued a Request for Bids for the [INSERT CONTRACT NAME] Contract, RFP-HRT-840202 ("RFP");

The Offeror has submitted to HART a bid proposal (the "Bid") in response to the RFP;

As part of the Bid, Offeror is submitting one copy of required information used in the preparation of its Bid in accordance with Section 7.4 of the HART General Conditions of Construction Contracts (4/2014) ("General Conditions") included in the RFP. Said information is contained in separately sealed boxes ("Escrowed Proposal Documents"); and

HART and the Offeror wish to employ the services of the Escrow Agent to act as the escrow holder with regard to the Escrowed Proposal Documents, and the Escrow Agent has agreed to serve as the escrow holder under the terms and conditions provided in this Agreement:

NOW THEREFORE, in consideration of the mutual covenants and agreements hereinafter set forth and other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the parties hereby agree as follows:

1. Deposit. The Offeror hereby deposits with Escrow Agent the Escrowed Proposal Documents. Escrow Agent hereby acknowledges receipt of such Escrowed Proposal Documents, and such Escrowed Proposal Documents shall be held in escrow under the terms and conditions of this Agreement.

2. Holding of Escrowed Proposal Documents. The Escrow Agent shall hold the Escrowed Proposal Documents in escrow in a designated area on the premises of the escrow holder located at ___________________________ on a confidential basis. The Escrowed Proposal Documents shall be stored in an area which is locked at all times. No third party, including the employees of the Escrow Agent, shall be allowed access to any part of the Escrowed Proposal Documents. Escrow Agent shall allow access to the Escrowed Proposal Documents, from time to time only to designated representatives of HART and the Offeror for purposes of joint review of the Escrowed Proposal Documents by HART and the Offeror. No access shall be given to either representative from HART or the Offeror unless representatives from both are present. The Escrow Agent shall provide such access to HART and the Offeror during the Escrow Agent's business hours upon reasonable advance notice. Lorenzo Garrido, the Officer-in-Charge, or his authorized designee, is authorized to request access on behalf of HART and ___________________________[authorized personnel of Offeror] or his/her successor, is authorized to request access on behalf of the Offeror. HART or Offeror may change its authorized representative by providing written notice to the other parties. The Escrow Agent shall allow
access only to those individuals designated in written notices from the authorized representatives designated above.

3. **Release of Escrowed Proposal Documents.** Escrow Agent shall release the Escrowed Proposal Documents in the following events:

   (a) If HART does not enter into a contract with the Offeror, the Escrow Agent shall release the Escrowed Proposal Documents to the Offeror upon written delivery by HART notifying the Escrow Agent that HART has determined not to enter into a contract with the Offeror;

   (b) Upon HART entering into a contract with the Offeror, a written release of the Escrowed Proposal Documents signed by the authorized representatives of HART and the Offeror designated herein is delivered to the Escrow Agent.

4. **Representation and Warranty.** The Offeror represents and warrants to HART that, prior to delivery of the Escrowed Proposal Documents to Escrow Agent, the Escrowed Proposal Documents were personally examined by an authorized representative of the Offeror and that they meet the requirements of Section 7.4 of the General Conditions and are sufficient to enable a complete understanding of the interpretation of how the Offeror arrived at its Bid Price.

5. **Rights of Escrow Agent.** If conflicting demands are made or notices serviced upon the Escrow Agent with respect to this escrow, the parties hereto expressly agree that the Escrow Agent shall have the absolute right at its election to do either or both of the following:

   (a) Withhold and stop all further proceedings in, and performance of this escrow; or .

   (b) File a suit in interpleader and obtain an order from the court requiring the parties to interplead and litigate in such court their several claims and rights among themselves.

6. **Fees.** See Exhibit M1 attached hereto.

7. **Notices.** All notices which may or are required to be given or made by either party hereto to the other shall be in writing. Such notices shall be either personally delivered or sent by registered mail, postage prepaid, to:

   If to Offeror:

   Attention:

   If to HART:

   Attention:
If to Escrow Agent:

Attention:
Or to such other addresses and such other places as any party hereto may from time to time designate by written notice to the others.

8. Counterparts: This Agreement may be executed in one or more counterparts, all of which together shall be deemed an original.

9. Headings. The title headings of the respective paragraphs of this Agreement are inserted for convenience only, and shall not be deemed to be part of this Agreement or considered in construing this Agreement.

10. Governing Law. The laws of the State of Hawai‘i shall govern this Agreement.

11. Attorney’s Fees. If either HART or the Offeror commences or engages in any action by or against the other party directly or indirectly arising out of or in connection with this Agreement, the prevailing party shall be entitled to have and recover from the losing party reasonable attorney’s fees and other costs incurred in the action and in preparation for said action and any subsequent appeal.

IN WITNESS WHEREOF, the parties hereto, each intending to be legally bound by this writing, have caused this Agreement to be executed the date first above written.

"HART"

"OFFEROR"

By: ___________________________  By: ___________________________
Title: ___________________________  Title: ___________________________

The escrow provided for in this Agreement is hereby accepted, only to the extent of the escrow provisions, by Escrow Agent.

By: ___________________________
Title: ___________________________
Exhibit M-1

HOLDING ESCROW AGENT FEES

Set up and Acceptance Fee $_______
Annual Escrow Fee $_______

Plus charges at cost for out-of-pocket expenses and extraordinary services, which may include the following: