

CITY AND COUNTY OF HONOLULU

SOLICITATION NO. RFP-DFM-1883506
Storm Drain Inspection, CCTV, and Cleaning Services
Department of Facility Maintenance

ADDENDUM NO. 6

Honolulu, Hawaii
Date: **JUN 24 2026**

TO ALL PROSPECTIVE OFFERORS:

The following changes are hereby made and incorporated as part of Solicitation No. RFP-DFM-1883506:

I. Notice to Offeror – Schedule of Events.

More time is needed for the City to provide responses to questions received. The deadlines for the addenda to be issued by the City and for offers to be received by the City have been extended. Delete the Notice to Offerors – Schedule of Events table in its entirety and replace in lieu thereof the following.

“All times indicated are Hawaii Standard Time (“HST”).

Non-mandatory Pre-proposal Conference:	May 8, 2026 at 9:30 a.m. HST
Deadline to Submit Requests for Clarifications/Substitutions:	May 29, 2026
Last Day to Issue Addenda:	June 24, 2026
DEADLINE FOR OFFERS:	July 21, 2026 at 15:00 HST”

II. Appendix A: Scope of Work, Technical Specifications

- A. Delete the Table of Contents in its entirety and replace with Table of Contents, Addendum No. 6 herein attached.
- B. Delete Section 00 05 Allowances in its entirety and replace with Section 00 05 Allowances, Addendum No. 6 herein attached.
- C. Add Section 01 14 15 Access to Structures after Section 01 14 14 Access to Property, Addendum No. 6.
- D. Delete Section 01 14 34 Work in Non-City Owned Property in its entirety and replace with Section 01 14 34 Work in Non-City Owned Property, Addendum No. 6 herein attached.

- E. Delete Section 01 35 43.13 Environmental Procedures for Hazardous Materials in its entirety and replace with Section 01 35 43.13 Environmental Procedures for Hazardous Materials, Addendum No. 6 herein attached.
 - F. Delete Section 01 55 26 Traffic Control in its entirety and replace with Section 01 55 26 Traffic Control, Addendum No. 6 herein attached.
 - G. Delete Section 01 55 29 Staging Areas in its entirety and replace with Section 01 55 29 Staging Areas, Addendum No. 6 herein attached.
 - H. The Site-Specific Best Management Practices (SSBMP) template was inadvertently not included with Section 01 57 23 Temporary Storm Water Pollution Control. Attached herein is the SSBMP template.
 - I. Delete Section 01 59 00 Protection of Pedestrians, Part 3 Execution, 3.02 Measurement and Payment in its entirety and replace with the following:

“Payment for protection of pedestrians shall be on an allowances basis and in accordance with Section 01 55 26 Traffic Control.”
 - J. Delete Section 27 25 33 Inspection Database Software, Part 3 Execution, 3.04. System Security, Reliability, and SOC-2 Compliance, B. Data Encryption / Data Protection, 8. Backups in its entirety and replace with the following:

“8. Backups: Backups of all data shall be taken nightly and shall be stored for the entire duration of the contract. Software vendor’s staff shall have remote access to manage the service over secured connections.”
 - K. Delete Section 33 01 40.24 Storm Drainage Chemical Sealing and any reference to it in its entirety.
 - L. Delete Section 33 01 40.50 Storm Drain and Manhole Cleaning in its entirety and replace with Section 33 01 40.50 Storm Drain and Manhole Cleaning, Addendum No. 6 herein attached.
 - M. Delete Section 3.01 Certified Condition Assessments of Section 50 01 00 NASSCO Condition Assessments in its entirety and replace with the following:

“3.01 CERTIFIED CONDITION ASSESSMENTS

Assessments conducted in this Section shall be NASSCO certified.”
 - N. Add Section 50 04 00 Planning and Prioritization, Addendum No. 6 herein attached after Section 50 03 00 Regulatory Reporting.
- III. Delete Appendix C: Pricing/Certifications in its entirety and replace with Appendix C: Pricing/Certifications, Addendum No. 6 herein attached.

IV. The following requests for clarifications (Q) were received and the responses (A) are provided below:

Q1. Responsibility for Opening Structures

- A. Is it the Contractor's responsibility to open city-owned manholes, vaults, or grates as part of this project?
- B. Or is access to these structures required to be performed by:
 - The City/utility owner, or
 - Under direct supervision of the City/utility representative?
- C. Are there specific structures designated as restricted access ("Do Not Open") by the Contractor?

A1. Yes, it is the Contractor's responsibility to open City-owned manholes, vaults, or grates. The City is not aware of such structures designated as restricted access by the Contractor; however, if encountered in the field, the Contractor must notify the Officer-in-Charge and/or its authorized representative of the City immediately.

Q2. Non-Standard / Inaccessible Covers

- A. Field conditions indicate that some covers may be rusted, sealed, or otherwise not operable with standard one-person tools.
 - Who is responsible for addressing these conditions to allow access?
- B. If a cover cannot be opened using normal manual methods, is it considered:
 - A pre-existing maintenance issue (City responsibility), or
 - Part of the Contractor's scope to resolve?

A2. The Contractor shall be responsible for addressing the conditions to allow access. If a cover cannot be opened using normal manual methods, it is the Contractor's responsibility to resolve utilizing its own means and methods that are deemed appropriate. See Section 01 14 15 Access to Structures, Addendum No. 6 for more information.

Q3. Repair vs. Construction Scope

If a manhole lid, frame, or grate must be:

- Freed due to corrosion
 - Excavated due to being paved over
 - Replaced due to damage during opening
- Should this work be classified as:
- City maintenance/repair, or
 - Incidental to the construction contract?

A3. If a manhole lid, frame, or grate must be freed due to corrosion or excavated due to being paved over, the work will be classified as work covered under Allowances. Contractor shall notify the Officer-in-Charge and/or its authorized representative of the issue in advance to get permission and necessary approvals to proceed with performing work that is considered to be beyond the normal manual methods that exceeds what would be considered reasonable attempts by the Contractor utilizing its own means and methods and deemed

appropriate. The work is considered maintenance. See Section 01 14 15 Access to Structures, Addendum No. 6.

Q4. Liability & Damage Responsibility

If a cover or frame is damaged during reasonable attempts to open, and the condition is due to corrosion or prior sealing, who is responsible for:

- Replacement costs
- Procurement of materials
- Installation and restoration

Does the Contractor assume liability for damage to aged or deteriorated city-owned structures, or is that risk retained by the Owner/City?

- A4. It is not the intent for the Contractor to be assuming liability for pre-existing damaged and/or deteriorated City-owned structure(s). The City accepts responsibility for replacing these damaged structure(s). However, depending on the situation, whether adequate notification was given to the City to make a decision to proceed, and whether the Contractor used proper judgement and methods for accessing the structure(s), the City will make the determination on who will be responsible for the replacement of the structure(s).

If the Contractor provided proper notification in a timely manner and/or made reasonable and appropriate attempts to open the damaged structure(s), the City will be responsible for replacing the structures. The Contractor may be asked to implement safety protective measures in the interim to ensure the safety of the public such as placing traffic cones, barriers, signs and/or metal plating over the opening and exposed structure until a permanent fix can be implemented by the City.

Q5. Approved Methods of Access

A. Is the Contractor authorized to use:

- Mechanical lifting devices
- Penetrants or release agents
- Limited force to free stuck covers

B. Are there restrictions on methods that may classify the action as a repair rather than access?

- A5. A. The Contractor may utilize means and methods it deems appropriate. Should penetrants or release agents be utilized, the Contractor shall comply with best management practices to prevent discharges to the City's storm water system.

B. Yes, see Section 01 14 15 Access to Structures, Addendum No. 6. No, repairs shall be done by the Contractor.

Q6. Coordination Requirements

A. Is advance coordination with the City or utility owner required before attempting to open any structure?

B. What is the required notice period and are there associated costs or scheduling impacts?

- A6. A. Yes, see Section 01 14 15 Access to Structures, Addendum No. 6. In majority of the cases, advanced coordination with the City will not be required; however, upon further review at the time of inspection, if the Contractor observes the structure to be structurally compromised or damaged, the Contractor shall notify the Officer-in-Charge and/or its authorized representative of the issues and document it with photos and descriptions. The City will make a determination whether attempts to open the structure by the Contractor is authorized and allowed.
- B. The notification shall be at least 24 hours in advance prior to accessing the structure. For structurally compromised or damaged structures, the City may need to coordinate with other City divisions and departments to determine if a replacement is warranted in those situations. The City's follow-up response will require at least 72 hours, but no more than 10 working days to make that determination. No associated costs or scheduling impacts will be entertained. See Section 01 14 15 Access to Structures, Addendum No. 6.
- Q7. That is all the time I have for questions but I have plenty more. [sic] (especially in the measurement for payment area(s).
- A. Had I been a party to the pre-bid meeting I would have suggested that simple Linear Foot unit of measurement for Items 22-29 is not a fair way to price to work.
ie. [sic] say 24" 100 L.F. Long with 6" of debris requiring cleaning is 2.3 Cubic Yards while 18" of same is 9.4 Cubic Yards or 4 times the volume and effort.
I didn't include items 18-21 because it does make that much difference.
- B. Also, Item 31 Gallon price is problematic at best. Min. setup cost on site \$5,000 (not counting the cost of the grout itself) and one might pump 10 gallons or 200 gallons.
- A7. A. The City acknowledges this question and concurs with the recommendation of using a volume-based measurement of cubic yards as a means for quantifying the amount of debris that is expected to be removed when encountering situations that warrant removal of larger amounts of debris and sediment (e.g., greater than 50% of the overall pipe) or where there are full blockages. The Contractor shall notify the Officer-in-Charge and/or its authorized representative in advance and provide photo documentation and estimated quantities to allow the City to give the go ahead with cleaning those segments of the pipe. However, the City intends to keep the linear foot unit of measurement intact to allow for typical situations where there may be some residual cleaning of normal "minor" debris and sediment accumulation (i.e., less than 25% of the overall pipe) that may be required in order to allow for proper inspection of the pipe inverts as part of its condition assessment process and/or to meet NASSCO requirements. See Section 33 01 40.50, Addendum No. 6 and Appendix C: Pricing/Certifications, Addendum No. 6.
- B. Bid Item No. 31 Storm Drainage Pipe Chemical Sealing has been removed as Section 33 01 40.24 Storm Drainage Chemical Sealing has been deleted. See Appendix C: Pricing/Certifications, Addendum No. 6.

- Q8. Program Structure and Inspection Strategy
- A. Rapid-Response / Screening Phase
Does the City anticipate or support an initial rapid-response inspection phase using non-NASSCO camera inspections to establish baseline condition, confirm inventory, and identify assets requiring escalation to additional services?
 - B. Coverage vs. Detail Priority
During the early stages of the contract, does the City prioritize rapid system-wide coverage and inventory development, or detailed condition assessment of individual assets?
 - C. Definition of Critical Areas of Concern
Will the City define or provide guidance regarding “critical areas of concern” (e.g., flood-prone zones, environmentally sensitive watersheds, high-consequence corridors), or should proposers identify such areas based on available data and field observations?
- A8.
- A. Yes, the City does anticipate and support an initial rapid-response inspection.
 - B. The City currently prioritizes detailed condition assessment of individual assets. The CCTV contractor is also expected to coordinate with the City’s technical team that will be tasked with developing an Island-Wide Comprehensive Storm Water Asset Management and Master Plan. That study is pending execution of a separate contract and will be ongoing concurrently with this CCTV master agreement.
 - C. The City may identify areas of concern. Subject to funding, and if specified by the Work Order, the City may request the Contractor to provide recommendations through memorandum. See Section 50 04 00 Planning and Prioritization, Addendum No. 6.
- Q9. Chemical Applications
Chemical Sealing – Routine vs. Directed Use
Section 33 01 40.24 describes storm drainage chemical sealing. Can the City confirm that chemical sealing will be performed only when specifically authorized by Work Order and is not a routine component of inspection or cleaning services?
- A9. Section 33 01 40.24 Chemical Sealing has been removed; see Section II(K) of this addendum above.
- Q10. Frequency and Anticipated Volume
Does the City have historical data or anticipated quantities for chemical sealing work under similar contracts to assist proposers in assessing potential scope and pricing assumptions?
- A10. Section 33 01 40.24 Chemical Sealing has been removed via Section II(K) of this addendum above. The City does not have historical data. Since the section has been removed from the contract scope, anticipated quantities will not be provided.

- Q11. Hazardous Materials, Testing, and Responsibility
Authority to Determine Hazardous Classification
When debris, sediment, or materials encountered during inspection or cleaning are suspected to be hazardous, who has the authority to determine whether the material is classified as hazardous (City determination, contractor determination, or laboratory results)?
- A11. The Contractor shall be responsible for identifying if the debris and sediment contained in the storm drainage system is suspected to be hazardous. In majority of the cases, the City does not anticipate that the material would be classified as hazardous. However, in the instance that the Contractor encounters or suspects the material to be hazardous (i.e. strong petroleum vapors, heavy oil sheen, recent known spills in the area, etc.), the Contractor shall coordinate with the City immediately upon discovery. The Contractor shall notify the Officer-in-Charge and/or its authorized representative to allow the City to make a determination whether sampling and testing will be necessary. Sampling and testing shall be performed and payment will be made on an allowance basis. The determination of identifying as hazardous material shall be based on laboratory results obtained from a laboratory that has performed hazardous material testing for a minimum three (3) years and certified in accordance with industry standards. The Contractor may also be requested by the City to secure the services of a qualified Environmental Consultant on an allowance basis to evaluate the test results and recommending the next steps in order to generate and complete all associated and applicable forms and permits to store, transport and dispose of any hazardous materials. See Section 01 35 43.13 Environmental Procedures for Hazardous Materials, Addendum No. 6 herein attached.
- Q12. Trigger for Laboratory Testing
Is laboratory testing required whenever hazardous materials are suspected, or only when directed by the City, and what criteria should be used to determine when testing is necessary?
- A12. See Section 01 35 43.13 Environmental Procedures for Hazardous Materials, Addendum No. 6 herein attached.
- Q13. Authorization to Initiate Testing
Who authorizes sampling and laboratory testing for suspected hazardous materials, and is prior City authorization required before testing is performed?
- A13. Authorization to initiate testing will be issued by the City's Officer-in-Charge and/or its authorized representative. Yes, prior City authorization is required before testing is performed. See Section 01 35 43.13 Environmental Procedures for Hazardous Materials, Addendum No. 6.
- Q14. Cost Responsibility for Testing
Can the City clarify whether the cost of sampling and laboratory testing for suspected hazardous materials is paid by the City, covered through an allowance, or the responsibility of the Contractor?
- A14. Payment for the testing will be paid by allowance in accordance with Section 00 05 Allowance.

- Q15. Stop-Work vs. Continue-Work Direction
Upon suspicion of hazardous materials, should the Contractor immediately stop work and notify the Officer-in-Charge, or may work continue under interim safety measures pending City direction and/or test results?
- A15. See Section 00 31 26 Existing Hazardous Material Information, Subsection 3.02 Discovery of Hazardous Material.
- Q16. Applicability During Inspection-Only Activities
Do hazardous material determination, testing, and handling requirements apply during inspection-only activities where no debris is removed, or only when debris is physically removed from the system?
- A16. Hazardous material determination, testing, and handling is required when inspection is conducted and when debris is removed.
- Q17. Submerged or Partially Submerged Structures
Can the City clarify whether inspections of submerged or partially submerged storm drains or structures are expected to be a routine condition, or if such conditions will be specifically identified and authorized by Work Order?
- A17. Inspection of submerged or partially submerged structures are expected to be a routine condition in tidally influenced areas.
- Q18. Historical Occurrence
Does the City have historical information regarding the frequency of confined space or submerged inspection conditions encountered in the storm drainage system that could assist proposers in assessing risk and resource needs?
- A18. No, the City does not have historical information regarding the frequency of confined or submerged inspection conditions. The City is aware of areas on the Island of Oahu (e.g., Kakaako, Mapunapuna, Waikiki, etc.) in which structures are tidally influenced and are often filled with water.
- Q19. Will the Contractor to [sic] able use City dewatering facilities or other City property for dewatering of the materials cleaned out of the drain lines and manholes prior to Contractor disposal?
- A19. No, the Contractor shall not use the City's dewatering facilities or other City properties. It is the responsibility of the Contractor to secure their own locations and implementing their own means and methods for dewatering, transporting and disposing removed sludge material from City-owned storm drains provided and ensuring that they meet all Federal, State and City regulations and requirements.
- Q20. Is the intent based upon points to establish the top 3 proposals to either move on to 7.1 & 7.3 General Instructions to Offerors? Or possibly if obvious to chose [sic] from the evaluation itself. [sic]

- A20. A Priority List may be established of at least three (3) Offerors based on the scores resulting from the Evaluation Criteria of this solicitation to proceed in discussions, if needed.
- Q21. Has there been a determination whether the evaluation shall be done by the procurement officer or evaluation committee?
If there is a committee, will they all be employed by the City?
If there is a committee, will any members be private consultants?
If Private Consultants, have worked for the City in the past 3 years?
If from the City, have any worked for private firms outside of the City within the past 3 years?
- A21. The evaluation for this project shall be conducted by an evaluation committee in which all members are currently employed by the City. None of the evaluation committee members for this project have worked on private firms outside of the City within the past three (3) years.
- Q22. Background: Relationship between "As needed" and critical "Evaluation"
Given that the project scope identified in "Appendix A: Scope of Work" reads:
"The Contractor (also referred to as "CONTRACTOR") shall provide services to inspect the City's (also referred to as "City") storm drain lines, catch basins, inlets, manhole and box culverts on an as-needed basis throughout the Island of Oahu. Cleaning services necessary to conduct inspections and for private wastewater spills may be required by the City" [sic]

Why are (Non - Cost) 80% or 6 - 7 (as C. could be 2) aspects of the Evaluation categorized into 3 Criterion and not stand alone?
- A22. The purpose is to gauge the Offeror's understanding of each criterion via the proposal submitted and to score each criterion accordingly.
- Q23. In regards to Evaluation Criteria 1: Experience, couldn't a "proposed" organization.... with an impressive list of resumes be "created" based the fact of "as needed" and "may be" offer a lot of allowances over time that may or may not come to fruition or by the time it does, excuses are allowed?
- A23. The proposal becomes a part of the resulting contract. Should there be any changes to the contract, see Section 3.2, Change Orders to Goods and Services Contracts, and Section 3.3, Modifications of Goods and Services Contracts, of the City's General Terms and Conditions (02/01/2015).
- Q24. In regards to Evaluation Criteria 1: Experience, why does assessment have 50% more value than actual experience required to obtain the important information required to do so?
- A24. Assessment is critical to the City and allows the City to plan its repair, rehabilitation, and reconstruction of its storm water infrastructure.
- Q25. In regards to Evaluation Criteria 1: Experience: What good is assessment if it is based on insufficient or poor information?

- A25. The City concurs and it's for this reason that the data collected by the Contractor must allow for an assessment to be conducted. Poor data quality will not be accepted by the City.
- Q26. In regards to Evaluation Criteria 1: Experience: Will assessments often get 2nd opinions after the fact to sync up with newer technologies to correct the defects?
- A26. This is not required by the City; however, if desired, the Offeror may offer such services in its proposal.
- Q27. In regards to Evaluation Criteria 1: Experience: If timely is a consideration, would not an existing organization in place located in the City & County of Honolulu and experienced working on and inspecting local storm drains be at least equal in value to assessment?
- A27. Scoring will be done in accordance with the criteria and points as specified in the Notice to Offerors – Evaluation Criteria.
- Q28. In regards to Evaluation Criteria 1: Experience: Isn't an offeror's organization regarding timely completion of past work & services part of the overall and most important aspect of it's [sic] experience factor?
- A28. Scoring will be done in accordance with the criteria and points as specified in the Notice to Offerors – Evaluation Criteria.
- Q29. In regards to Evaluation Criteria 1: Experience: Would combining A.2 & B.1 be in the best interest of the City?
- A29. Scoring will be done in accordance with the criteria and points as specified in the Notice to Offerors – Evaluation Criteria.
- Q30. Over the years there have been a number of out of town or mainland entities not used to the nuances of Hawaii or Oahu that failed or left. If Hawaii products are preferred why not services as well?
- A30. Hawaii Products Preference does not apply to this project in accordance with Hawaii Revised Statutes ("HRS") Section 103D-1002.
- Q31. Will overall Project Management for this contract be City staff or Outside consultants in regards to work order generation?
- A31. For work done under the Department of Facility Maintenance, Storm Water Quality Division ("SWQ"), City staff will generate work orders.
- Q32. Will overall Project Management for this contract be City staff or Outside consultants in regards to Officer-in-Charge, surveillance, inspection?
- A32. For work done under SWQ, project management in the field may be performed by an outside consultant. However, the Officer-in-Charge shall always remain with the City's SWQ or its authorized representative.

Q33. Background: Based on the Proposal line Items in Appendix "C" Item(s) # 1, 10, 17, 35, & 42. The cost to the City shall be the actual cost charged to the Contractor and in accordance with HAR §3-122-1 37. Which is a Cost reimbursement type of contract. [sic] Is this a Cost-reimbursement Contract? Can it be a hybrid?

A33. Items in Appendix C: Pricing/Certifications, Addendum No. 6 without lines for price will be paid on a cost reimbursement basis whereas the other line items will be paid per a fixed price per unit as specified. Yes, the contract is a hybrid as some items are paid on a cost reimbursement basis and others at fixed prices.

Q34. Background: Section 01 11 13 Work Covered by Contract Documents 3.01 Execution A. General Requirements, Paragraph E. States: "Applicability of Standards: Unless the Contract Documents include more stringent requirements, applicable industry standards have the same force and effect as if bound or copied directly into the Contract Documents to the extent referenced. Such standards are made a part of the Contract Documents by reference."

For industry Standards I refer to the General Terms & Conditions of The City & County of Honolulu Both Exhibit(s) "F" & "G" and related Paragraphs that allow for markup of Both Labor and Subcontractors for the management of aspects.

Is it the expectation of the City that the "managing and coordination" of dealing with the unforeseeable in Item(s) 1, 10, 17, 35 and 11, 12, 13 14 additional efforts beyond a lead and helper with a CCTV unit reporting to the officer-in-charge does not deserve compensation to fulfill the "May include but limited to" aspect(s) of the description?

A34. Items in Appendix C: Pricing/Certifications, Addendum No. 6 without lines for price will be paid at actual cost on a cost reimbursement basis per Section 00 05 Allowance.

All items in Appendix C: Pricing/Certifications, Addendum No. 6 that have fields to input price shall be paid via fixed fee(s). All costs, effort, profit, tax, and other associated costs shall be included in the aforementioned unit prices.

Q35. Background: 01 11 13 Part 3.01 B. WORK COVERED BY CONTRACT DOCUMENTS - What is a "Trade Head"?

A35. Trade head is the entity or sub-contractor (as applicable) to oversee a specific aspect of the work performed under the contract.

(Continued on following page.)

Q36. SECTION 01 14 14 ACCESS TO PROPERTY

3.03 PROTECTION OF PROPERTY

The property to be protected shall include, but not be limited to, all existing improvements, buildings, trees, shrubbery, landscaping, walls, fences, utility lines, roadways, pavements, driveways, curbs and gutters, sidewalks, planting areas, etc., that are adjacent to the site of the project and not noted on the work order for removal. Property that has been damaged by the Contractor shall be immediately restored to the condition it was in prior to being damaged, to the extent that such restoration is reasonably possible, to the satisfaction of the Officer-in-Charge. Unless otherwise indicated on the work order, surface encroachments (i.e. privately owned improvements, structures, plants, and shrubbery) within the City right-of-ways and easements shall be restored. Unless otherwise directed by the Officer-in-Charge, when surface encroachments consisting of trees and shrubs are indicated to be removed in the work order, the disturbed area shall be replanted with grass matching the surrounding area if such grass exists within five (5) feet of the disturbed area.

3.08 MEASUREMENT AND PAYMENT

The cost of work under this section shall not be paid for directly but shall be considered included in the prices bid for the various items of work.

END SECTION 01 14 14

- A. Since there is no way to ascertain when this will become necessary, how can something of that nature be factored into any of the various items of work? At what cost?
 - B. Did the city pay for the easements and to be keep [sic] clear for access?
 - C. When an occasion like [sic] occurs with the City's storm maintenance crew is that how it gets handled?
- A36.
- A. This is an indefinite delivery indefinite quantity ("IDIQ")/master agreement ("MA") contract, in which will be used on an as-needed basis. Work under Section 01 14 14 Access to Property covers general access to properties and it's for this reason that costs associated shall be included amongst various items work.
 - B. Easements are utilized by the City for long term access, and it is not anticipated that new easements will be needed for work performed. In the instance an easement is needed, the City will be responsible for such payment. Easement agreements traditionally require that the non-City entity is responsible for keeping easements clear.
 - C. The City's storm maintenance crews access its City-owned storm drains that are covered under City approved drainage easements. Typically, City crews don't access drains that are on private property.

(Continued on following page.)

Q37. 01 14 34 Part 3 3.01 WORK IN NON-CITY OWNED PROPERTY

3.01 ADDITIONAL WORK AND ACCESS AREAS

The Contractor shall be responsible for negotiating, acquiring, and paying compensation for all work and access areas located outside of City jurisdiction that the Contractor feels may be necessary to perform the work under the contract. Written consent-to-enter agreements with property owners may be required for each work or access area arranged by the Contractor and shall contain all terms of the agreement and the signatures of all parties involved. Two (2) hard copies or one (1) electronic file of each such agreement shall be submitted to the Officer-in-Charge within seven (7) calendar days of consummation of the agreement.

3.02 MEASUREMENT AND PAYMENT

The cost of work, including coordination with property owners, under this section shall not be paid for directly but shall be considered included in the prices bid for the various items of work.

END SECTION 01 14 34

- A. Since there is no way to ascertain when this will become necessary how can something of that nature be factored into any of the various items of work? At what cost?
 - B. Did the city pay for the easements and to be keep [sic] clear for access?
 - C. When an occasion like [sic] occurs with the City's storm maintenance crew is that how it gets handled?
 - D. Why not force account the expense? Or reimburse these types of things?
- A37.
- A. See Section 3.02, Measurement and Payment, of Section 01 14 34 Work in Non-City Owned Property, Addendum No. 6.
 - B. Easements are utilized by the City for long term access, and it is not anticipated that new easements will be needed for work performed. In the instance an easement is needed, the City will be responsible for such payment. Easement agreements traditionally require that the non-City entity is responsible for keeping easements clear.
 - C. The City's storm maintenance crews access its City-owned storm drains that are covered under City approved drainage easements. Typically, City crews don't access drains that are on private property.
 - D. See Section 3.02, Measurement and Payment, of Section 01 14 34 Work in Non-City Owned Property, Addendum No. 6.

(Continued on following page.)

Q38. 01 35 43.13 ENVIRONMENTAL PROCEDURES FOR HAZARDOUS MATERIALS

3.01 POLLUTANTS AND HAZARDOUS MATERIALS

If encountered, hazardous or contaminated material must become property of the Contractor. Such material shall be disposed of according to all applicable rules and regulations. Such disposal must be documented, and the Contractor must provide a receipt of disposed contaminated material to the City.

Recommend: You may want to check with Corp Counsel on that as I believe that liability can not be passed on simply to the discoverer. As I understand it there is case law determination.

3.03 MEASUREMENT AND PAYMENT

The payment under this section shall include full compensation for all labor, materials, supplies, equipment, tools and all necessary work for the completion of the removal and disposal of hazardous material.

END SECTION 01 35 43.13

Which item covers this? [sic]

A38. See Section 01 35.43.13 Environmental Procedures for Hazardous Materials, Addendum No. 6.

Q39. 01 5126 Temporary Lighting [sic] is outside of working hours and if needed is additional cost entirely due to location and not foreseeable since this contract does not have a definitive scopes.

MEASUREMENT AND PAYMENT

The Officer-in-Charge will not measure the providing of the temporary lighting. The Officer-in-Charge will not pay for the providing of temporary lighting in the work area separately and will consider the cost for providing the temporary lighting as included in the contract prices for the various contract pay items.

- A. Is there a suggestion as to which pay items and a factor to add to those items?
- B. Does the City expect the Contractor absorb those costs?

A39. A. The City is unable to advise Offerors on such matters. The intent of Section 01 51 26 Temporary Lighting is for lighting that may be needed to inspect inside structures. With the exception of after-hour private wastewater spill clean-up, SWQ will not require the Contractor to perform work during the night.

- B. No, the Contractor is expected to factor such costs amongst various contract pay items.

Q40. 01 56 [sic] 26 Traffic Control

Since City's Department of Transportation Services (DTS) does not always demand Licensed Engineer Stamped traffic plans and that has a substantial impact on costs.

- A. Where is that required under this contract?
- B. Is there a suggestion as to which pay items and a factor to add to those items?
- C. Does the City expect the Contractor absorb those costs?
- D. What is the definition of Additional traffic Control?

- A40. A. See Section 01 55 26 Traffic Control, Addendum No. 6.
 B. Payment for traffic control will be paid in accordance with Appendix C: Pricing/Certifications, Addendum No. 6.
 C. No, the City does not expect the Contractor to absorb the costs. Traffic control will be paid as specified in Appendix C: Pricing/Certifications, Addendum No. 6.
 D. Additional traffic control has been removed from Section 01 55 26 Traffic Control, Addendum No. 6.
- Q41. 33 0140.24 [sic] Chemical Sealing If the contractor awarded the project doesn't not [sic] have an adequate License could the award be protested?
- A41. See Section II(K) of this addendum above; the section on chemical sealing has been removed.
- Q42. Section 27 25 33 Inspection DataBase Software 19 Pages long and appears to be technical specifications as is often provided by the vendor.
 "3.07 MEASUREMENT AND PAYMENT
 A. MEASUREMENT
 The Officer-in-Charge will not measure the CCTV Inspection Database Software. The Officer-in-Charge will measure training per hour of number of trainees employed on project in accordance with contract documents.
 B. PAYMENT
 The Officer-in-Charge will pay for accepted training at contract unit price per hour. Payment will be full compensation for work prescribed in this section and contract documents. The CCTV Inspection Database Software shall not be paid for directly but shall be considered included in the prices bid for the various items of work."
 A. Is there a suggestion as to which pay items and a factor to add to those items?
 B. Which vendor and/or consultant provided it?
 C. Is it the City's expectation that the costs (License fees) of the Software(s), remote servers, remote data storage facilities and everything needed to make the system functional adhering to the 19 pages of specifications is to be absorbed by the contractor while holding it's [sic] breath for an as needed 8 hours of training? [sic]
 D. Is it also the City's expectation that the recurring costs be absorbed as well?
- A42. The City, through its selection committee, will make a selection based on the Notice to Offerors – Evaluation Criteria, inclusive of the information provided in related to the Inspection Database Software, as described in the Offer submitted. At a minimum, the City is looking to secure the usage and assessment services of a CCTV Inspections Software and Database solution that is compatible with the City's existing CityWorks Asset Management and Work Order system and ESRI ArcGIS mapping program. The CCTV Inspection program shall also be web enabled and allow for unlimited file storage in a cloud-based server system. The software shall also allow for unlimited read only users with a limited number of administrator licenses. The CCTV software shall be capable of performing

assessments in accordance to the latest National Association of Sewer Service Companies (NASSCO) certified assessment of various structures using NASSCO's rating and inspection format (i.e. PACP, MACP, LACP) and shall also allow and be capable of performing and incorporating possible Artificial Intelligence (AI) generated models and Automatic Defect Recognition (ADR) tools.

- A. There is a bid price line item by unit price per hour for Training to City Employees on Database Software in Appendix C: Pricing/Certifications, Amendment No. 6. Upon request by the City, costs will be associated for necessary training using that unit price measurement when issuing any applicable Delivery Orders ("DO"). The respective DO will reflect those costs for training.
- B. The City is not able to disclose this information since it is left to the Contractor to propose as part of its overall plans and approach within this agreement, as it relates to its CCTV Software and Database solution. The City's evaluation committee will score accordingly based on the information provided in the Offer submitted.
- C. That is correct. The Contractor will be responsible for securing all necessary licenses and server hosting fees for its proposed CCTV Software and Database solution. The costs will be inclusive of bid prices for the various items of work while performing any of its requested storm drain inspections. Training will be treated on a per unit basis per hour basis, included as part of any issued DO.
- D. At a minimum, the Contractor should allocate costs for the necessary usage, storage and access of its CCTV Software and Database solution including any and all licensing and cloud server hosting fees for all intended users over a two (2) year period. Price adjustments may be allowed upon request beyond Year 2 as described in Section 00 95 00 Price Adjustment.

Q43. Section 27 25 33 Inspection DataBase Software

3.04. SYSTEM SECURITY, RELIABILITY, AND SOC-2 COMPLIANCE

B. 8. Backups: Backups of all data are taken nightly and stored for seven (7) business days [sic] Software vendors staff shall have remote access to manage the service over secured connections.

- A. Is the City comfortable with that amount of backup on such a high cost/value asset(s)?
- B. Isn't Database Software usually purchased directly ie. HOLIS by the City?

- A43. A. Backups of the entire database structure needs to be performed regularly and at a minimum on a daily re-occurrence interval to ensure that the data is kept secured and available with the latest updates and entries. The City acknowledges the concern and concurs that changes will be necessary to clarify the language identified in Section 27 25 33 Inspection Database Software, Sub-Section 3.04 System Security, Reliability, and SOC-2 Compliance, B.8, Backups, to indicate that data backups shall be stored for the duration of the entire contract.
- B. It varies by City agencies; however, to streamline implementation and to prevent a piecemealed approach, SWQ desires to obtain such services through this RFP.

- Q44. If the City is keeping the Database Software specifications as is:
Then I add the following questions:
- A. Why does the Vendors ADR Software need to meet of [sic] 25,000 LF of inspections data per hour?
 - B. Why does ADR Software need the ability to run inferences on multiple sewer inspections datasets concurrently?
 - C. Since the ADR is New and especially on Storm Drains large pipes, lighting, pipe material type (a key item) and UPSTRM/DSTRM viewing of joint the requirement of 1,000,000 reference images. Isn't that quite a high bar in the early startup of this software?
 - D. Will the City be supplying the 1,000,000 images for training data?
 - E. Can you elaborate about Training & retraining and deployment of NEW AI Models in a two-hour period? [sic]
 - F. Regarding the 20,000 miles of pipe for training throughout North America (does that include Canada/Mexico/Central America and the Caribbean?
- A44.
- A. The City desires that the automated defect recognition ("ADR") software can process inspection data in a timely manner.
 - B. This is to ensure that software proposed has greater capacity and therefore accurate and reliable.
 - C. The City acknowledges that ADR software is new, and the use of ADR is not required by the Contractor. The City is open and considering the use of such software for work performed under the contract. The purpose of incorporating ADR technology is to assist the City with streamlining and cost effectively using these newer tools and technologies with performing a vast amount of data analysis within a short period of time.
 - D. No, the City will not be supplying images for training data.
 - E. The City desires that the ADR software is able to create new artificial intelligence ("AI") models and is capable of building a learning environment that will generate more accurate and reliable results within a short time frame in comparison to days or weeks that would otherwise be done through traditional manual methods.
 - F. It may include Canada, Mexico, Central America and the Caribbean.

(Continued on following page.)

Q45. SECTION 33 01 40.10 STORMWATER FLOW CONTROL

3.05 MEASUREMENT AND PAYMENT

Measurement and payment for stormwater flow control work for lines less than 30-inches shall be made based on the bypass length measured from manhole to manhole. Payment shall be full compensation for bypassing needed to complete the work regardless of the number of times the bypass is set up.

Measurement and payment for stormwater flow control work for 30, 36, 42, and/or 48-inch lines shall be made based on the bypass length measured from manhole to manhole. Payment shall be full compensation for bypassing needed to complete the work regardless of the number of times the bypass is set up.

Payment for stormwater flow control work shall be made at the unit price per each, for the designated incremental unit and shall be full compensation for furnishing all materials, tools, equipment, labor and incidentals necessary to

33	Stormwater flow control for CCTV inspection/Cleaning of pipes less than or equal to 30-inch diameter in accordance with Section 33 01 40 10	1	Each	\$	\$
34	Stormwater flow control for CCTV inspection/Cleaning of pipes 30, 36, 42, or 48-inch Diameter Pipe in accordance with Section 33 01 40 10	1	Each	\$	\$

- A. Payment will by made [sic] each or by linear Feet?
- B. If there is a constant flow to be addressed is it a storm drain pipe or a stream conduit

- A45. A. Payment will be made by each.
- B. SWQ considers it a storm drain pipe.

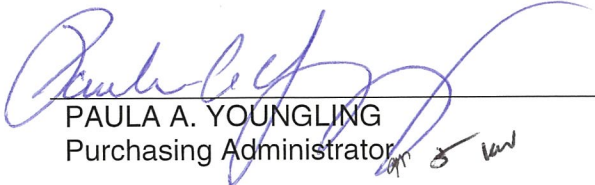

 PAULA A. YOUNGLING
 Purchasing Administrator

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SECTION 00 05 ALLOWANCES

PART 1 - GENERAL

1.01 DESCRIPTION

Allowances covered under this contract are provided for items and quantities that cannot be identified at the time of bid and may only be known at the start of work.

The cost for any allowance item identified in Appendix C: Pricing/Certifications shall be reflect the actual cost incurred by the Contractor and shall be in accordance with HAR §3-122-137. It is the Contractor's responsibility to provide all supporting documents to the Officer-in-Charge for approval of any allowance item identified in Appendix C: Pricing/Certifications.

1.02 RELATED SECTIONS

The related sections specified herein are for the convenience of the Contractor.

Section 02 90 00	Private Wastewater Spill Clean-Up
Section 31 13 12	Arboricultural Work, Including Tree Trimming, Root Pruning and Tree Protection Measures
Section 01 14 34	Work in Non-City Owned Property
Section 01 55 29	Staging Areas
Section 01 57 23	Temporary Storm Water Pollution Control
Section 01 66 13	Product Storage and Handling Requirements for Hazardous Materials

PART 2 - PRODUCTS

Not applicable.

PART 3 - EXECUTION

3.01 ALLOWANCE ITEMS

Items covered by allowances shall be as specified in Appendix C: Pricing/Certification.

Items not covered may be allowed subject to prior written approval by the Officer-in-Charge.

3.02 UTILITY COMPANIES

For costs incurred by the following utility companies for required work, the Contractor shall be reimbursed only if the Officer-in-Charge determines, prior to commencement of work that the work is necessary due to conflicts with work to be done or are necessary because the utilities pose safety hazards to the Contractor. The Contractor shall be reimbursed only for the direct costs based on the utility companies' invoice cost to the Contractor. Additional charges by the Contractor for overhead, profit, coordination, taxes, insurance and bond fee, and other incidental expenses shall not be allowed. The utility companies shall bill the Contractor directly.

Hawaiian Electric Company
Hawaiian Telcom
Hawaii Gas
Charter Communications dba Spectrum (Spectrum)
AT&T

3.03 INSUFFICIENT ALLOWANCE AMOUNTS

In the event the amount specified in the allowance item for the Work Order is insufficient, the City may issue a change order or amendment to the Delivery Order to increase the allowance amount.

3.04 REMAINING ALLOWANCE AMOUNTS

Any amount remaining at the completion of the Contract shall remain with the City. The Contractor shall make no claim in the event the City chooses to delete allowance item(s) from the contract.

3.05 MEASUREMENT AND PAYMENT

The Officer-in-Charge will pay for any accepted allowance work on an allowance basis. Payment will be full compensation for the work directed by the Officer-in-Charge.

Payment will be deducted from the allowance set in the Work Order and shall be included in the estimate for the progress payment upon submission of paid invoices, with sufficient documentation to account for the costs of all labor, equipment, materials, and any other items invoiced. The Contractor shall collect and maintain sufficient documentation to validate reimbursement under this Section. The Contractor shall submit records of the work performed at the end of each day on Daily Force Account Report sheets (Form DF-49), Exhibit "G" of the City's General Terms and Conditions (02/01/2015), issued by the Officer-in-Charge. Individual equipment or tools having a replacement value of eight hundred dollars or less will not be considered an allowable cost. The Contractor will be reimbursed for the allowance item plus ten (10) percent inclusion of any administrative cost, overhead/profit, bond fee, and applicable taxes.

The Officer-in-Charge may consider the cost for mobilization for the various allowance pay items. The calculation for the maximum allowable cost for the Mobilization shall not exceed 6% of the Work Order's total sum excluding allowance and force account items. In the instance that the Officer-in-Charge does not authorize Mobilization for allowance work items, the Officer-in-Charge's decision shall be deemed final.

END SECTION 00 05

SECTION 01 14 15 ACCESS TO STRUCTURES

PART 1 - GENERAL

1.01 DESCRIPTION

This section describes access into storm water structures.

1.02 RELATED SECTIONS

Section 01 14 13 Access to Site

Section 33 01 40.11 CCTV Inspection

Section 33 01 40.12 Camera Inspection

Section 33 01 40.13 Combined CCTV Inspection / Sonar Inspection

Section 33 01 40.14 Combined CCTV Inspection / Laser Profiling Inspection

Section 33 01 40.15 Manned Entry Inspection

PART 2 - PRODUCTS

All products, tools and equipment utilizes shall be in accordance with industry standards.

PART 3 - EXECUTION

3.01 GENERAL REQUIREMENTS

To access and assess a structure, the Contractor shall be responsible for opening existing access points (e.g. manhole lid, grate). New access points shall not be made to a structure.

The Contractor shall first attempt standard, non-evasive approaches, to open the structure. Non-evasive approaches shall include but not be limited to use of a manhole cover hook, lifter, or similar product.

The Contractor shall exercise due care and take all necessary measures to minimize damage to City structures.

3.02 WORK PLAN

The Contractor shall field verify access locations with the City's GIS data. Should discrepancies be observed, the Contractor shall immediately notify the Officer-in-Charge.

Upon verification, the Contractor shall submit to the Officer-in-Charge a work plan. At minimum, the work plan shall: 1) identify the quantity and location of structures; 2) the

anticipated approach to open the structures; 3) the anticipated schedule; 4) the anticipated cost for evasive opening of structures; and 4) other information as required by the Officer-in-Charge.

The work plan shall be submitted three (3) weeks prior to the anticipated start of work.

3.03 EVASIVE APPROACHES FOR THE OPENING OF STRUCTURES

A. GENERAL

Efforts that require the use of heavy equipment, and are beyond standard approaches, shall be defined as evasive. Evasive approaches to open a structure may include excavation to expose the opening to a structure. Such approaches to open the structures shall require prior approval and coordination from the Officer-in-Charge.

B. FIELD VERIFICATION

In situations where a structure opening has been covered by material, the Contractor shall field verify the location of the structure prior to excavation. Field verification may include but not be limited to utilizing equipment such as detectors, locators, or radars.

C. LIMITS

1. If the structure opening is not found upon excavation, the Contractor shall limit its work to 50 feet radius of the anticipated location.
2. Ground disturbances shall not exceed 4 inches below the current grade.
3. All work shall be done within the City right-of-way.

D. TEMPORARY BARRICADES AND OTHER PROTECTIVE SAFETY MEASURES

Temporary barricades and other protective safety measures shall be installed in accordance with Section 01 56 23 Temporary Barricades and Section 01 59 00 Protection of Pedestrians.

3.04 UNANTICIPATED ACCESS POINTS REQUIRING EVASIVE APPROACHES

While in the field, if access to a structure appears to require evasive access approaches, the Contractor shall immediately notify and request approval from the Officer-in-Charge to utilize such approaches. The City's follow up response will require at least 72 hours, but no more than ten (10) working days. A non-response from the City shall not be considered approval or acceptance by the Contractor. Failure to obtain approval prior to the start of work, and associated costs for work performed shall be the responsibility of the Contractor.

Upon request by the City, the Contractor shall implement safety protective measures in the interim to ensure the safety of the public such as placing traffic cones, barriers, signs

and/or metal plating over the opening and exposed structure until a permanent fix can be implemented by the City.

3.05 REPAIR OF ACCESS POINTS AND SURROUNDING AREAS

The City shall be responsible for the installation and replacement of manhole lids, grates and other access points. The surrounding areas in the City right-of-way will be repaired to its existing condition. The Contractor shall be responsible for disturbance caused by the Contractor outside of the City's right of way.

3.06 DAMAGES

If notification did not comply with Section 3.04 of this Section, and whether the Contractor utilized proper judgement and methods for accessing the structure(s), the City shall make a determination as to whom shall be responsible for damages to the structure(s).

3.07 MEASUREMENT AND PAYMENT

The Officer-in-Charge will not measure the work under this section for payment. The work associated with the work plan and standard, non-evasive approaches to open structures shall not be paid for directly but shall be considered included in the prices bid for the various items of work.

Payment for evasive methods to open a structure shall be in accordance with Section 00 05 Allowance.

END SECTION 00 14 15

SECTION 01 14 34
WORK IN NON-CITY OWNED PROPERTY

PART 1 GENERAL

1.01 DESCRIPTION

This section covers any work that may be performed outside of the City's jurisdiction. The Contractor is responsible for coordinating with property owners for work to be conducted on their property.

1.02 REFERENCE

Section 01 14 13	Access to Site
Section 01 14 16	Coordination with Occupants
Section 01 14 33	Work in Rights-of-Way
Section 01 41 26	Permit Requirements
Section 01 55 29	Staging Areas

PART 2 PRODUCTS

Not applicable.

PART 3 EXECUTION

3.01 ADDITIONAL WORK AND ACCESS AREAS

The Contractor shall be responsible for negotiating, acquiring, and paying compensation for all temporary work and access areas located outside of City jurisdiction that the Contractor feels may be necessary to perform the work under the contract. Written consent-to-enter agreements with property owners may be required for each work or access area arranged by the Contractor and shall contain all terms of the agreement and the signatures of all parties involved. Two (2) hard copies or one (1) electronic file of each such agreement shall be submitted to the Officer-in-Charge within seven (7) calendar days of consummation of the agreement.

The Contractor shall make all reasonable attempts to conduct work within City's right-of-way, easements and properties. In situations, where the Contractor has exhausted all available options to conduct work in City owned properties, the Contractor shall notify the Officer-in-Charge and or its authorized representative as soon as possible. The Contractor shall provide a rationale that outlines and justifies why working in City owned properties is infeasible. Upon approval and given notice to proceed by the City, the Contractor shall submit a work plan that describes the area being requested, reasons and use of property (i.e., staging), type of equipment and materials stored, permissions, timeline and duration with use of private property along with estimated costs associated with the request.

3.02 MEASUREMENT AND PAYMENT

The cost of work, including coordination with property owners and negotiations, under this section shall not be paid for directly but shall be considered included in the prices bid for the various items of work.

The cost for acquiring and paying for all work and access areas located outside of City jurisdiction shall be paid on an allowance basis and in accordance with Section 00 05 Allowances. Payment shall be full compensation for all labor, equipment, and tools necessary to complete the work described.

END SECTION 01 14 34

SECTION 01 35 43.13
ENVIRONMENTAL PROCEDURES FOR HAZARDOUS MATERIALS

PART 1 GENERAL

1.01 DESCRIPTION

This section includes a set of procedures necessary to protect the public and workers from potential hazardous materials. The Contractor is responsible for the protection of the environment within work site boundaries and outside of the limits of work.

1.02 REFERENCE

References made herein are for the convenience of the Contractor and does not present an exclusive list of all applicable rules under which the Contractor shall perform their work.

- A. U.S. Environmental Protection Agency (EPA) Rules and Regulations
- B. U.S. Department of Transportation Regulations
- C. Department of Health Regulations and Policies

1.03 RELATED SECTIONS

Section 01 66 13 Product Storage and Handling Requirements for Hazardous Materials

PART 2 PRODUCTS

Not applicable.

PART 3 EXECUTION

3.01 POLLUTANTS AND HAZARDOUS MATERIALS

If the pollutants encountered while conducting work, the Contractor shall comply with Section 5.2.14 Discovery of Hazardous Materials of the City's General Terms and Conditions.

The Contractor shall obtain approval to sample and test the hazardous material from the Officer-in-Charge. Testing shall be conducted by a qualified laboratory. The Contractor may also be requested by the City to secure the services of a qualified Environmental Consultant to evaluate the test results, and provide recommended next steps.

If the material is determined to be hazardous, the Contractor shall clean-up, handle, store, treat, remove and dispose the polluted materials as hazardous waste in accordance with applicable EPA rules and regulations, EPA's Resource Conservation and Recovery Act (RCRA), U.S. Department of Transportation regulations, and DOH

Rules, regulations and policies. Work shall also be done in accordance with Section 01 66 13 Product Storage and Handling Requirements for Hazardous Materials.

If the pollutants are not hazardous, the requirements of RCRA shall not apply.

The City will monitor the Contractor's work, if pollutants are encountered, to ensure compliance with the above requirements.

3.02 CHEMICAL/HAZARDOUS MATERIAL CONTROLS

A. USE OF CHEMICAL/HAZARDOUS MATERIALS

1. Prior to bringing chemicals/hazardous materials to the work site, the Contractor shall provide a safety data sheet (SDS) for each chemical/material.
2. A complete set of applicable SDSs shall be kept and maintained by the Contractor. This set shall be updated as the Contractor brings in new hazardous materials/chemicals
3. Examples of chemicals/hazardous materials include, but are not limited to: oils, fuels, solvents, paints, epoxies, adhesives, pesticides, herbicides, cleaners, etc.

B. CHEMICAL/HAZARDOUS MATERIAL STORAGE

1. All chemicals/hazardous materials shall be stored in locked or controlled designated lay down areas in labeled containers.
 - a. The Contractor shall follow all storage requirements and restrictions provided by the product labels and SDSs.
 - b. Solid materials do not require secondary containment given that they are protected by some other means against falling and breakage.

C. REMOVAL OF UNUSED MATERIALS

1. Once the Contractor's activity for which a chemical or a hazardous material was used, unused materials shall be removed from the work site.
2. Rinsing of empty containers or any container at the work site is strictly prohibited.

D. SPILL OR DISCHARGES

1. The Contractor shall not discharge or release any chemical or hazardous material directly into the air, soil, surface water, or groundwater.
2. If a spill occurs, immediately contain the spill, giving priority to those areas with a potential to enter the City's MS4 and state waters.
3. The Contractor shall immediately report discharges or spills of chemicals or hazardous materials to the responsible parties.

3.03 MEASUREMENT AND PAYMENT

The cost of sampling, testing, hiring of an environmental consultant shall be paid on an allowance basis and in accordance with Section 00 05 Allowances. Payment shall be full compensation for all labor, equipment, and tools necessary to complete the work described.

END SECTION 01 35 43.13

**SECTION 01 55 26
TRAFFIC CONTROL**

PART 1 - GENERAL

1.01 DESCRIPTION

This section shall govern furnishing, installing, maintaining and subsequently removing traffic control devices to control traffic during the progress of the work. The Contractor shall use proper precautions and methods of procedure for the protection and control of pedestrians and vehicular traffic in accordance with Federal Highway Administration "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD), and all applicable State and City regulatory codes and requirements.

The Contractor shall prepare and obtain approved traffic control plans where required under this contract. The work shall also include services from special-duty police officer/flagman, if required. Design of the Contractor's traffic control plans and obtaining approvals from the City's Department of Transportation Services (DTS) and/or Department of Planning and Permitting (DPP), shall be the total responsibility of the Contractor.

1.02 RELATED SECTIONS

Section 01 14 00	Work Restrictions
Section 01 14 13	Access to Site
Section 01 14 16	Coordination with Occupants
Section 01 14 33	Work in Rights-of-Way
Section 01 14 34	Work in Non-City Owned Property
Section 01 56 23	Temporary Barricades

1.03 REFERENCE

Federal Highway Administration (FHWA) – MUTCD.

Hawaii Administrative Rules (HAR). Title 19, Subtitle 5, Chapter 128 - Design, Placement, and Maintenance of Traffic Control Devices.

HAR - Title 19, Subtitle 5, Chapter 129 - Use of Traffic Control Devices at Work Sites on or Adjacent to Public Streets and Highways.

1.04 SUBMITTALS

- A. A Street Usage permit shall be obtained from the DTS before work on any portion of a public street or highway may begin. All traffic controls shall conform to the requirements of the DTS, the current Traffic Code for Honolulu, the

"Administrative Rules of Hawaii Governing the Use of Traffic Control Devices at Work Sites On or Adjacent to Public Streets and Highways in the State of Hawaii", adopted by the Director of Transportation, the Federal Highway Administration's "Manual on Uniform Traffic Control Devices for Streets and Highways, Part VI -Traffic Controls for Street and Highway Construction and Maintenance Operations", and the provisions hereunder.

B. TRAFFIC CONTROL PLAN.

A copy of each submittal of the Contractor's modified traffic control plans to DTS and/or DPP shall also be submitted to the Officer-in-Charge. Upon final approval, a copy of the Contractor's approved modified traffic control plans shall be submitted to the Officer-in-Charge.

C. SCHEDULES

The Contractor shall submit schedules in writing to the Officer-in-Charge for lane and road closures and detours in accordance with the approved traffic control plans and permits. The submittal shall contain a brief description of the work and the time when the work is to be done and shall conform to the traffic control plans and permits. The schedules shall be submitted fourteen (14) calendar days before the date such lane, road closures and detours are scheduled to begin.

D. TRAFFIC ADVISORY

The Contractor shall submit a draft of the announcement to the Officer-in-Charge five (5) weeks prior to the start of work for review and approval. The Contractor shall announce traffic advisory three (3) weeks prior to the start of work. Failure to meet this deadline may require the Contractor to publish a "Notice to Motorists" in the local paper at the discretionary direction of the Officer-in-Charge.

PART 2 - PRODUCTS

2.01 MATERIALS

Materials for traffic control shall be in accordance with the following applicable sections of the MUTCD and HAR.

PART 3 - EXECUTION

3.01 GENERAL REQUIREMENTS

- A. All barricades, signs, cones, barriers, lights, flashing signals, and other traffic control devices shall be furnished, installed and maintained in accordance with the requirements of the MUTCD and HAR. In event of conflict between provisions cited therein, the more restrictive laws, rules, regulations or requirements shall apply.

- B. The Contractor shall provide temporary barricades where necessary so that all streets, roads, lanes, alleys, driveways, and garages will be accessible to traffic at all times.
- C. No materials or equipment shall be stored where they will interfere with the free and safe passage of public traffic. At the end of each day's work or during any suspension of work, the Contractor shall remove all materials, equipment and other obstructions to permit free and safe passage.
- D. During the progress of the work, 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 25 feet of any fire hydrant. Fire hydrants must be readily accessible to the Fire Department at all times.
- E. All detours shall be approved in writing by the City, as applicable, and by the Officer-in-Charge.
- F. The Contractor shall notify DTS' Public Transit division at (808) 768-8396 and Oahu Transit Services, Inc. (bus operations: (808) 848-4578 or (808) 848-6016 and para-transit operations: (808) 454-5041 or (808) 454-5020) of the scope of work, location, proposed closure of any street, traffic lane, sidewalk, or bus stop and duration of project at least two (2) weeks prior to the start of work.
- G. The Contractor shall give two (2) weeks advance notice to the Police Department, Fire Department, ambulance services (i.e., City, State, private), and any public transit or public utility company of any work that may affect their operations, including any road closures.

3.02 PROTECTION AND CONTROL OF PEDESTRIANS AND VEHICULAR TRAFFIC

The Contractor shall, during the progress of the work, use proper precautions and methods of procedure for the protection and control of pedestrians and vehicular traffic.

3.03 MEASUREMENT AND PAYMENT

Traffic control and traffic control devices shall be in accordance with Section 5.2.2 Commencement Requirements of the General Terms and Conditions.

The Officer-in-Charge will pay for the accepted traffic control and traffic control devices on an allowance basis under Traffic Control, Traffic Control Devices and Police Officers. Payment for the traffic control, maintenance and removal operations for traffic devices will be on an allowance basis. Payment will be full compensation for the work ordered by the Officer-in-Charge and will be deducted from the allowance set in the Work Order. The Contractor will be reimbursed for the allowance item plus twenty (20) percent inclusive of any administrative costs, workman's compensation, overhead/profit, and applicable taxes. The unused portion of the allowance item will remain with the City upon completion of the contract in accordance with Section 4.6 "Payment for Reimbursable Expenses" and Section 5.4.2 "Allowance Items" of the General Terms and Conditions.

The Officer-in-Charge will pay for the accepted police officers on an allowance basis under Traffic Control, Traffic Control Devices and Police Officers. Payment will be full compensation inclusive of administrative fees charged by the Honolulu Police Department for the work ordered by the Officer-in-Charge and will be deducted from the allowance set in the Work Order. Payment shall be included in the monthly estimate for progress payment upon submittal of paid invoices. The Contractor will be reimbursed for the allowance item plus twenty (20) percent inclusive of any administrative costs, workman's compensation, overhead/profit, and applicable taxes. The unused portion of the allowance item will remain with the City upon completion of the contract in accordance with Section 4.6 "Payment for Reimbursable Expenses" and Section 5.4.2 "Allowance Items" of the General Terms and Conditions.

END SECTION 01 55 26

SECTION 01 55 29 STAGING AREAS

PART 1 - GENERAL

1.01 DESCRIPTION

The Contractor may use an area within the working area for temporary staging area with the approval of the Officer-in-Charge and owner of the property. As applicable, the Contractor shall negotiate directly with individual property owners for the use of the area and/or blockage of access.

The Contractor shall, during the progress of the work, use proper precautions and methods of procedure to prevent polluted run-off from discharging from the staging area to any established Municipal Separate Storm Sewer System (MS4), drainage systems, private property, and State receiving waters.

1.02 RELATED SECTIONS

Section 01 14 00	Work Restrictions
Section 01 14 13	Access to Site
Section 01 14 16	Coordination with Occupants
Section 01 14 33	Work in Rights-of-Way
Section 01 14 34	Work in Non-City Owned Property
Section 01 55 26	Traffic Control
Section 01 56 23	Temporary Barricades
Section 01 57 23	Temporary Storm Water Pollution Control

1.03 REFERENCE

Hawaii Administrative Rules (HAR)

1.04 SUBMITTALS

The Officer-in-Charge may request for a Site-Specific Best Management Practices (SSBMP) plan for the staging areas any time prior or during the progress of work under the contract. Submittals shall be in such detail as the Officer-in-Charge may require for information as to design, installation, and effectiveness of best management practice (BMP), and their compliance with the HAR 11-54 and HAR 11-55.

At the request of the Officer-in-Charge, the Contractor shall submit a work plan that describes the staging area being requested, reasons and use of property, type of

equipment and materials stored, permissions, timeline and duration with use of private property along with estimated costs associated with the request.

PART 2 - PRODUCTS

2.01 EQUIPMENT/MATERIALS

The Contractor shall provide any equipment or materials needed for the staging areas under the performance of this contract.

PART 3 - EXECUTION

3.01 GENERAL REQUIREMENTS

- A. The Contractor shall comply and follow procedures outlined in Section 01 14 34 Work in Non-City Owned Property when encountering situations involving negotiating and temporarily acquiring
- B. The Contractor shall document all agreement(s) with the affected property owner(s) in writing. Two (2) hard copies and one (1) digital copy of all agreements with signatures of both the property owner and the Contractor shall be forwarded to the Officer-in-Charge within seven (7) calendar days of the issuance of the Notice to Proceed for the Delivery Order unless as approved by the Officer-in-Charge.
- C. The Contractor shall remove all debris, equipment, materials, tools, supplies and appurtenances from the staging areas at the end of each Work Order assignment.
- D. The Contractor shall, throughout the duration of the performance of its services, shall keep the work area, and all surrounding areas neat and free from dust nuisance. The Contractor must comply with the requirements of HAR Chapter 11-54 Water Quality Standards and Chapter 11-55 Water Pollution Control, and Rules Relating to Water Quality of the City and County of Honolulu.

3.02 MEASUREMENT AND PAYMENT

The cost of work, including coordination with property owners and negotiations, under this section shall not be paid for directly but shall be considered included in the prices bid for the various items of work.

The cost for acquiring and paying for all work for staging and access purposes located outside of City jurisdiction shall be paid on an allowance basis and in accordance with Section 00 05 Allowances. Payment shall be full compensation for all labor, equipment, and tools necessary to complete the work described.

END SECTION 01 55 29



SITE-SPECIFIC BEST MANAGEMENT PRACTICES PLAN (SSBMP) TEMPLATE

Project Title: **STORM DRAIN, CCTV INSPECTION,
AND CLEANING SERVICES**

Project No.: **RFP-DFM-1883506**

Department/ Division: **DFM/SWQ**



STORM WATER PROGRAM
CITY AND COUNTY OF HONOLULU

Prepared by: _____

Date: _____

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List of Attachments

Attachment A: Site Specific BMP and Erosion and Sediment Control Plan (ESCP) Site Plan
(drawing and notes)

Attachment B: Dewatering Plan

Attachment C: Applicable BMP Fact Sheets from the CCH Construction BMP Manual

Attachment D: Inspection Checklist and Records

References

The following documents are referenced throughout this document:

1. City & County of Honolulu, Rules Relating to Water Quality (Water Quality Rules) (Title 20, Chapter 3), Adopted August 16, 2016, or as amended
2. City and County of Honolulu, Storm Water Best Management Practice (BMP) Manual for Construction, 2017
3. City and County of Honolulu, Inspection and Enforcement Program for Construction Sites, 2016 (DRAFT)
4. Hawaii Administrative Rules (HAR), Chapter 11-55
5. Standard Specifications and Special Provisions

1. Project Information

Project Name:	Storm Drain, CCTV Inspection and Cleaning Services	Project Number:	RFB-DFM-1883506
Contract Number:			
Department:	Facility Maintenance	Division:	Storm Water Quality
Project Location:		Tax Map Key:	

2. Description of Contracted Activities

What is the nature of the construction activity? (Please check all applicable activities and describe below.)

- | | | | |
|---|--|-------------------------------------|--|
| ☐ Residential | ☐ Commercial | ☐ Industrial | ☐ Road Construction |
| ☐ Linear Utility | ☐ Other (please specify): | | |

Describe the scope of work and major construction activities, including baseyards and staging areas. Include only project areas where the locations of impervious structures are known; project areas where the final grades are known; and work areas that will be performed by one (1) general contractor.

The scope of work for this project includes:

3. Required Permits

City, State or other permits related to storm water management may be required for this project. List all required permits below and maintain a copy of each at the job site or a reasonably accessible location at all times.

City DPP Permits (check all that apply)	☐ Building #		Expiration Date:	
	☐ Grubbing #		Expiration Date:	
	☐ Stockpiling #		Expiration Date:	
	☐ Grading #		Expiration Date:	
NPDES Permits (check all that apply)	☐ Hydrotesting #		Expiration Date:	
	☐ Dewatering #		Expiration Date:	
Other Permits (list all)				

4. Identification of Prime Contractor and Other Site Contractors

Complete this list of the prime contractor and all other contractors (e.g., sub-contractors) who will be engaged in construction activities at the site, and are responsible for implementing the BMPs in this document. Attach additional pages for other subcontractors as needed.

General Contractor	
Company Name:	
Contact Person Name:	
Mailing Address:	
Mailing City	Mailing State and Zip Code:
Telephone Number:	
Email Address:	

Sub-Contractor #1	
Company Name:	
Contact Person Name:	
Mailing Address:	
Mailing City	Mailing State and Zip Code:
Telephone Number:	
Email Address:	

Sub-Contractor #2	
Company Name:	
Contact Person Name:	
Mailing Address:	
Mailing City	Mailing State and Zip Code:
Telephone Number:	
Email Address:	

Sub-Contractor #3	
Company Name:	
Contact Person Name:	
Mailing Address:	
Mailing City	Mailing State and Zip Code:
Telephone Number:	
Email Address:	

5. Sequence and Estimated Dates of Contracted Activities

Fill in the proposed construction schedule below. **The Contractor shall submit to the Project Engineer/Project Manager an updated project schedule once the project is awarded and revise the dates in this SSCBMP.**

Activity	Date
Installation of pre-construction BMPs such as perimeter controls, stabilized construction entrances, and inlet protection devices:	
Date when the general contractor will begin the CCTV inspection activities:	
Date when the general contractor will end CCTV inspection activities:	
Date final or temporary stabilization of areas of exposed soil initiated:	
Cessation of construction activities on the site:	
Date when BMP measures will be removed:	

The following is the required sequence of operations in normal development and shall be followed unless conditions make it impractical. If this is the case, a sequence that provides the most effective erosion control shall be developed. Applicable pre-construction BMPs, including but not limited to, perimeter controls, stabilized construction entrances, existing drain structure protections, detention basin and temporary diversion drain structures shall be installed prior to any land disturbing or construction activity.

1. Install stabilized construction entrances, perimeter controls, and inlet protection, clearing and grubbing as necessary for the installation of these BMPs.
2. Install remaining parts of permanent drainage system with temporary inlets protection.
3. Construct interceptor ditches, dikes, berms, with associated filter berms and filter inlets, or other temporary measures, as planned.
4. Grade the site, or first increment, as planned. Relocate, reconstruct and maintain structures above as needed to keep them effective at all times.
5. Build temporary dikes, outlets, and slope drains as needed to keep water from running downgraded slopes.
6. Proceed with CCTV inspections with least possible disturbance of vegetative areas and temporary structures.
7. Plant permanent ground cover according to the landscaping plan as soon as possible.
8. Remove or dismantle BMPs and temporary erosion control structures after full establishment of permanent vegetative cover and permanent erosion control measures (if required).

6. BMP Site Plan (Drawing and Notes)

Attach Erosion and Sediment Control Plan (drawings and notes) or other BMP plan to this SSBMP as **Attachment A**. The plan should be revised as needed during construction to reflect the current state of the construction site. Revisions should be maintained with this SSBMP.

The plans should include at a minimum, the following elements:

1. Topographic map with existing contours, and finished contours.
2. Proposed improvements including structures, impervious areas, and vegetation.
3. Drainage maps showing onsite and off-site drainage structures, drainage patterns, buffer zones, City MS4 system and state discharge points.
4. Structural erosion and sediment control BMPs.
5. Erosion control construction notes including non-structural BMPs.
6. Name, Coordinates, and Classification of discharge State waters, i.e., Class 1, 2, or Class A or AA waters. The State Water Quality Map can be found on the State DOH website (<http://health.hawaii.gov/cwb/site-map/clean-water-branch-home-page/water-quality-standards/>).
7. Staging areas. The Contractor may use any disturbed area within the project boundary and that is acceptable to the Project Engineer/Project Manager for their Staging/Storage.

7. Storm Water Management Practices

The contractor shall implement BMPs to minimize polluted runoff from the construction site. Please refer to City and County of Honolulu, Storm Water BMP Manual. For any conflicting requirements between the Manual and applicable bid documents, the applicable bid documents will govern. Should a requirement not be clearly described within the applicable bid documents, the Contractor shall notify the Engineer immediately for interpretation. For the purposes of clarification under “applicable bid documents” include the construction plans, Standard Specifications, Special Provisions, Permits, and the SSBMP.

In the table below, indicate applicable pollutant sources/ activities and check each applicable BMP that will be used at the site to minimize pollutants from that source or activity. Include all BMPs as described on the project ESCP, if applicable. Review and attach the BMP fact sheet for each applicable BMP below to this SSBMP in **Attachment B**.

Appropriate Site-Specific BMPs to be Implemented	BMP Fact Sheets
<i>Construction Activity/ Pollutant Source: Sediment from Ground Disturbing Activities</i> ☐ Applicable ☐ Not Applicable	
• Provide BMPs for soil stabilization, slope protection, storm drain inlet protection, perimeter controls, paving operations, construction road stabilization, and flow diversion, as applicable. • Delineate, and clearly mark off, with flags, tape, or other similar marking device all natural buffer areas defined in the ESCP or site plan. • Initiate stabilization as soon as feasible. • Preserve native topsoil where practicable. • In areas where vegetative stabilization will occur, restrict vehicle/equipment use in areas to avoid soil compaction or condition soil to promote vegetative growth. • For Storm Drain Inlet Protection, clean, or remove and replace, the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. • Where there is evidence of sediment accumulation adjacent to the inlet protection measure, remove the deposited sediment by the end of the same day in which it is found or by the end of the following work day if removal by the same day is not feasible. • Minimize disturbance on steep slopes (Greater than 15% in grade). • If disturbance of steep slopes are unavoidable, phase disturbances and use stabilization techniques designed for steep grades. • For temporary drains and swales use velocity dissipation devices within and at the outlet to minimize erosive flow velocities.	☐ EC-2 Preservation of Existing Vegetation ☐ EC-3 Hydraulic Mulch ☐ EC-4 Hydroseeding ☐ EC-5 Soil Binders ☐ EC-7 Geotextiles and Mats ☐ EC-8 Wood Mulching ☐ EC-9 Earth Dikes and Drainage Swales ☐ EC-10 Velocity Dissipation Devices ☐ EC-11 Slope Drains ☐ EC-14 Seeding, Planting and Sodding ☐ EC-15 Slope Roughening/ Terracing ☐ EC-16 Topsoil Management ☐ SE-1 Silt Fence ☐ SE-4 Check Dams ☐ SE-5 Fiber Rolls ☐ SE-6 Gravel Bag Berm ☐ SE-8 Sandbag Barrier ☐ SE-10 Drain Inlet Protection ☐ SE-12 Locations of Potential Sources of Sediment ☐ SE-13 Level Spreader ☐ SE-14 Rip-Rap & Gabion Inflow Protection ☐ SE-15 Vegetated Buffer Strips and Channels ☐ SE-16 Compost Socks and Berms ☐ NS-3 Paving and Grinding Operations

Appropriate Site-Specific BMPs to be Implemented	BMP Fact Sheets
<i>Construction Activity/ Pollutant Source: Construction Debris, Green Waste, and General Litter</i> ☐ Applicable ☐ Not Applicable	
• Separate contaminated clean up materials from construction and demolition (C&D) wastes. • Provide waste containers (e.g., dumpster or trash receptacle) of sufficient size and number to contain construction and domestic wastes. • Inspect construction waste and recycling areas regularly. • Schedule solid waste collection regularly. • Schedule recycling activities based on construction/demolition phases. • Empty waste containers weekly or when they are two-thirds full, whichever is sooner. • Do not allow containers to overflow. Clean up immediately if they do. • On work days, clean up and dispose of waste in designated waste containers. • Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable.	☐ WM-5 Solid Waste Management ☐ SE-10 Drain Inlet Protection
<i>Construction Activity/ Pollutant Source: Material Stockpiling</i> ☐ Applicable ☐ Not Applicable	
• Minimize the amount of material stored on site. • Locate stockpiles a minimum of 50 feet or as far as practicable from concentrated runoff or outside of any natural buffers identified on the ESCP or site plan. • Place bagged materials on pallets and under cover. • Provide physical diversion to protect stockpiles from concentrated runoff. • Cover stockpiles with plastic or comparable material when practicable. • Place silt fence, fiber filtration tubes, or straw wattles around stockpiles. • Do not hose down or sweep soil or sediment accumulated on pavement or other impervious surfaces into any storm water conveyance (unless connected to a sediment basin, sediment trap, or similarly effective control), storm drain inlet, or state water. • Unless infeasible, contain and securely protect stockpiles from the wind. • If building materials or metals are stored on site (such as rebar or galvanized poles) store under cover under tarps or in containers. • Do not stockpile uncovered metals or other building materials in close proximity to discharge points. • Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable. • Inspect construction waste and recycling areas regularly. • Schedule solid waste collection regularly.	☐ WM-3 Stockpile Management ☐ WM-5 Solid Waste Management ☐ SE-10 Drain Inlet Protection

Appropriate Site-Specific BMPs to be Implemented	BMP Fact Sheets
<i>Construction Activity/ Pollutant Source: Track Out</i> ☐ Applicable ☐ Not Applicable	
• Restrict vehicle use to properly designated exit points. • Include Stabilized Construction Entrances at all points that exit onto paved roads or include additional BMPs that remove sediment prior to exit when minimum dimensions cannot be met. • A sediment trapping device is required if a wash rack is used in conjunction with the stabilized construction entrance/exit. • The pavement shall not be cleaned by washing down the street. • If sweeping is ineffective or it is necessary to wash the streets, wash water must be contained either by construction of a sump, diverting the water to an acceptable disposal area, or vacuuming the wash water. • Use BMPs for adjacent drainage structures.	☐ TR-1 Stabilized Construction Entrance/Exit ☐ TR-2 Stabilized Construction Roadway ☐ TR-3 Entrance/Outlet Tire Wash ☐ SE-7 Street Sweeping and Vacuuming
<i>Construction Activity/ Pollutant Source: Contaminated Soil</i> ☐ Applicable ☐ Not Applicable	
• At minimum contain contaminated material soil by surrounding with impermeable lined berms or cover exposed contaminated material with plastic sheets.	☐ WM-6 Hazardous Waste Management ☐ WM-7 Contaminated Soil Management
<i>Construction Activity/ Pollutant Source: Wind Erosion Control</i> ☐ Applicable ☐ Not Applicable	
• Do not over spray water for dust control purposes which will result in runoff from the area. • Apply water as conditions require. • Washing down of debris or dirt into drainage, sewage systems, or State waters is not allowed.	☐ WE-1 Wind Erosion Control
<i>Construction Activity/ Pollutant Source: Paving and Grinding Operations</i> ☐ Applicable ☐ Not Applicable	
• Provide training for employees and contractors on proper material delivery and storage practices and procedures. • Restrict paving operations during wet weather to prevent paving materials from being discharged. • Use asphalt emulsions such as prime coat when possible. • Protect drain inlet structures and manholes during application of tack coat, seal coat, slurry seal, and fog seal. • Keep ample supplies of drip pans and absorbent materials on site. • Inspect inlet protection devices. • Saw cut slurry shall be removed from the site by vacuuming. • Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable.	☐ NS-3 Paving and Grinding Operations ☐ WM-1 Material Delivery and Storage ☐ WM-2 Material Use ☐ SE-7 Street Sweeping and Vacuuming ☐ SE-10 Drain Inlet Protection

Appropriate Site-Specific BMPs to be Implemented	BMP Fact Sheets
<i>Construction Activity/ Pollutant Source: Operations and Maintenance of Vehicles and Equipment</i> ☐ Applicable ☐ Not Applicable	
• Use off-site wash racks, repair and maintenance facilities, and fueling sites when practical. • Designate bermed wash area if cleaning on site is necessary. • Place drip pans or drop cloths under vehicles and equipment to absorb leaks • Provide an ample supply of readily available spill cleanup materials. • Clean up spills immediately, using dry clean-up methods where possible, and dispose of used materials properly. • Do not clean surfaces or spills by hosing the area down. • Eliminate the source of the spill to prevent a discharge or a continuation of an ongoing discharge. • Inspect on-site vehicles and equipment regularly and immediately repair leaks. • Regularly inspect fueling areas and storage tanks. • Train employees on proper maintenance and spill practices and procedures and fueling and cleanup procedures. • Store diesel fuel, oil, hydraulic fluid, or other petroleum products or other chemicals in water-tight containers and provide cover or secondary containment. • Do not remove original product labels and comply with manufacturer's labels for proper disposal. • Dispose of containers only after all the product has been used. • Dispose of or recycle oil or oily wastes according to Federal, State, and Local requirements. • Store soaps, detergents, or solvents under cover or other means to prevent contact with rainwater.	☐ NS-8 Vehicle and Equipment Cleaning ☐ NS-9 Vehicle and Equipment Fueling ☐ NS-10 Vehicle and Equipment Maintenance ☐ WM-1 Material Delivery and Storage ☐ WM-2 Material Use ☐ WM-4 Spill Prevention and Control
<i>Construction Activity/ Pollutant Source: Working with Concrete</i> ☐ Applicable ☐ Not Applicable	
• Avoid over spraying of curing compounds. • Apply an amount of compound that covers the surface, but does not allow any runoff of the compound. • Disposal of concrete truck wash water via percolation is prohibited. • Wash concrete-coated vehicles or equipment off-site or in the designated wash area. • Locate on-site wash area a minimum of 50 feet away or as far as practicable from storm drain inlets, open drainage facilities, or water bodies. • Runoff from the on-site concrete wash area shall be contained in a temporary pit or level bermed area where the concrete can set. • Design the area so that no overflow can occur due to inadequate wash area sizing or precipitation. • The temporary pit shall be lined with plastic to prevent seepage of wash water into the ground. • Allow wash water to evaporate or collect wash water and all concrete debris in a concrete washout system bin. • Do not dump liquid wastes into storm drainage system. • Dispose of liquid and solid concrete wastes in compliance with federal, state, and local standards.	☐ NS-12 Concrete Curing ☐ NS-13 Concrete Finishing ☐ WM-8 Concrete Waste Management

Appropriate Site-Specific BMPs to be Implemented	BMP Fact Sheets
Construction Activity/ Pollutant Source: Painting ☐ Applicable ☐ Not Applicable	
- Hazardous chemicals shall be well-labeled and stored in original containers. - Keep ample supply of cleanup materials on site. - Dispose container only after all of the product has been used. - Remove as much paint from brushes on painted surface. - Rinse from water-based paints shall be discharged into the sanitary sewer system where possible. If not, direct all wash water into a leak-proof container or leak-proof pit. The container or pit must be designed so that no overflows can occur due to inadequate sizing or precipitation. - Locate on-site wash area a minimum of 50 feet away or as far as practicable from storm drain inlets, open drainage facilities, or water bodies. - Do not dump liquid wastes into the storm drainage system. - Filter and re-use solvents and thinners. - Dispose of oil-based paints and residue as a hazardous waste. - Ensure collection, removal, and disposal of hazardous waste complies with regulations. - Immediately clean up spills and leaks. - Properly store paints, solvents, and epoxy compounds. - Properly store and dispose waste materials generated from painting and structure repair and construction activities. - Mix paints in a covered and contained area when possible to minimize adverse impacts from spills. - Do not apply traffic paint or thermoplastic if rain is forecasted. - Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable.	☐ WM-1 Material Delivery and Storage ☐ WM-2 Material Use ☐ WM-4 Spill Prevention and Control ☐ WM-6 Hazardous Waste Management ☐ SE-10 Drain Inlet Protection
Construction Activity/ Pollutant Source: Landscape Irrigation ☐ Applicable ☐ Not Applicable	
- Consider irrigation requirements. - Where possible, avoid species which require irrigation. - Design timing and application methods of irrigation water to eliminate the runoff of excess irrigation water into the storm water drainage system.	☐ NS-7 Potable Water/ Irrigation
Construction Activity/ Pollutant Source: Dewatering ☐ Applicable ☐ Not Applicable	
If excavation or backfilling operations require dewatering, and Contractor elects to discharge dewatering effluent into State waters or existing drainage systems, Contractor shall prepare and obtain CCH acceptance of a NOI/NPDES Permit Form G application for CCH submittal to DOH CWB at least 30 calendar days prior to the start of Dewatering Activities.	☐ NS-2 Dewatering Operations

Appropriate Site-Specific BMPs to be Implemented	BMP Fact Sheets
<i>Construction Activity/ Pollutant Source: Working with Plaster</i> ☐ Applicable ☐ Not Applicable	
• Direct all wash water into a leak-proof container or leak-proof pit. The container or pit must be designed so that no overflows can occur due to inadequate sizing or precipitation. • Locate on-site wash area a minimum of 50 feet away or as far as practicable from storm drain inlets, open drainage facilities, or water bodies. • Any significant residual materials remaining on the ground after the completion of construction shall be removed and properly disposed. If the residual materials contaminate the soil, then the contaminated soil shall also be removed and properly disposed of. • Plaster waste water shall not be allowed to flow into drainage structures or State waters.	☐ WM-1 Material Delivery and Storage ☐ WM-6 Hazardous Waste Management ☐ WM-10 Liquid Waste Management
<i>Construction Activity/ Pollutant Source: Hazardous Waste (Batteries, Solvents, Treated Lumber, etc.)</i> ☐ Applicable ☐ Not Applicable	
• Do not dispose of toxic materials in dumpsters allocated for construction debris. • Ensure collection, removal, and disposal of hazardous waste complies with regulations. • Hazardous waste that cannot be reused or recycled shall be disposed of by a licensed hazardous waste hauler. • Segregate and recycle wastes from vehicle/equipment maintenance activities such as used oil or oil filters, greases, cleaning solutions, antifreeze, automotive batteries, and hydraulic and transmission fluids. • Store waste in sealed containers, which are constructed of suitable materials to prevent leakage and corrosion, and which are labeled in accordance with applicable Resource Conservation and Recovery Act (RCRA) requirements and all other applicable federal, state, and local requirements. • All containers stored outside shall be kept away from surface waters and within appropriately-sized secondary containment (e.g., spill berms, decks, spill containment pallets). Provide cover if possible. • Clean up spills immediately, using dry clean-up methods where possible, and dispose of used materials properly. • Do not clean surfaces or spills by hosing the area down. • Eliminate the source of the spill to prevent a discharge or a continuation of an ongoing discharge. • Ensure collection, removal, and disposal of hazardous waste complies with manufacturer's recommendations and is in compliance with federal, state, and local requirements.	☐ WM-6 Hazardous Waste Management
<i>Construction Activity/ Pollutant Source: Hydrotesting</i> ☐ Applicable ☐ Not Applicable	
• If work includes removing, relocation or installing waterlines, and Contractor elects to flush waterline or discharge hydrotesting effluent into State waters or drainage systems, the Contractor shall prepare and obtain CCH acceptance of a NOI/ NPDES Permit Form F application for CCH submittal to DOH CWB at least 30 calendar days prior to the start of Hydrotesting Activities if necessary. Site-specific BMPs will be included in the NOI/ NPDES Permit Form F submittal.	N/A- refer to NOI

Appropriate Site-Specific BMPs to be Implemented	BMP Fact Sheets
<i>Construction Activity/ Pollutant Source: Sanitary/ Septic Waste</i> ☐ Applicable ☐ Not Applicable	
• Locate sanitary facilities in a convenient place away from drainage facilities. • Position sanitary facilities so they are secure and will not be tipped over or knocked down. • Wastewater shall not be discharged to the ground or buried. • A licensed service provider shall maintain sanitary/septic facilities in good working order. • Schedule regular waste collection by a licensed transporter.	☐ WM-9 Sanitary/ Septic Waste Management
<i>Construction Activity/ Pollutant Source: Chemical use and Storage (Fertilizers, Pesticides, and other Industrial Chemicals)</i> ☐ Applicable ☐ Not Applicable	
• Hazardous chemicals shall be well-labeled and stored in original containers. • Keep ample supply of cleanup materials on site. • Clean up spills immediately, using dry clean-up methods where possible, and dispose of used materials properly. • Do not clean surfaces or spills by hosing the area down. • Eliminate the source of the spill to prevent a discharge or a furtherance of an ongoing discharge. • Dispose container only after all of the product has been used. • Retain a complete set of safety data sheets (formerly MSDS) on site. • Store industrial chemicals in water-tight containers and provide either cover or secondary containment. • Provide cover when storing fertilizers or pesticides to prevent these chemicals from coming into contact with rainwater. • Restrict amount of pesticide prepared to quantity necessary for the current application. • Do not apply fertilizers or pesticides during or just before a rain event. • Do not apply to stormwater conveyance channels with flowing water • Comply with fertilizer and pesticide manufacturer's recommended usage and disposal instructions. • Apply fertilizers at the appropriate time of year for the location, and preferably timed to coincide as closely as possible to the period of maximum vegetation uptake and growth. • Follow federal, state, and local laws regarding fertilizer application. • Do not dispose of toxic liquid wastes (solvents, used oils, and paints) or chemicals (additives, acids, and curing compounds) in dumpsters allocated for construction debris. • Ensure collection, removal, and disposal of hazardous waste complies with regulations. Hazardous waste that cannot be reused or recycled shall be disposed of by a licensed hazardous waste hauler.	☐ WM-1 Material Delivery and Storage ☐ WM-2 Material Use ☐ WM-4 Spill Prevention and Control ☐ WM-6 Hazardous Waste Management

8. Inspections and Corrective Actions

1. Pre-construction Inspection:

A pre-construction inspection will be completed with a City representative (engineer or inspector) prior to any ground-disturbing activity to verify that BMPs have been installed correctly and in the correct locations. The checklist is provided in **Attachment C**. A record of this inspection shall be kept with this SSBMP.

2. Regular Self-Inspections:

The contractor is responsible for performing weekly compliance inspections for the site using the checklist provided in **Attachment C**. Weekly inspection records shall be kept with this SSBMP.

3. Corrective Actions and Deficiencies Reporting:

Any deficiencies shall be noted on the inspection form, corrected in the time frame given below, and actions should be logged according to the inspection form. More guidance on inspections and enforcement can be found in the City and County of Honolulu, Inspection and Enforcement Program for Construction Sites, 2016 (DRAFT).

Deficiency	Description	Timeframe for Correction
Critical	Critical deficiencies are any BMP deficiencies that result in or pose an immediate threat of pollutant discharges to the MS4 or state waters. Critical deficiencies include, but are not limited to: - Any observed discharge, or evidence of discharge, of untreated storm water or non-storm water to the storm drain system or a state waters. - No perimeter controls required by an Erosion and Sediment Control Plan - Missing, significantly damaged inlet protection BMPs - Missing, improperly installed, or significantly damaged BMPs in close proximity to disturbed soil - Work in an active stream, channel or water body without proper BMPs. - Presence of any spilled oil or hazardous materials into storm drains or State waters.	Before the close of business
Major	Major deficiencies are non-critical deficiencies that indicate a lack of good-faith efforts to comply with the requirements of the City's Erosion Rules or other applicable permits and those deficiencies that may reasonably be expected to result in the discharge of pollutants to the MS4 or State waters under rain conditions with a 10 year recurrence interval or less. Major deficiencies include, but are not limited to: - Failure to obtain an approved/ accepted Erosion Sediment Control Plan before land disturbing activities. - BMPs that are improperly installed or which are not functional or effective. - Hazardous materials or waste stored within the project area	5 calendar days or before the next forecasted rain event, whichever is sooner

	without proper containment or in improper locations. • Large (i.e. more than 1 sq. yard) oil, fuel, or brake or transmission fluid spills observed on site. • Any discharge of sediment or other deleterious material resulting from dewatering operations. • Expansion of the active disturbed soil area limit without necessary permits or approval. • Dust from project site visibly blowing off the site. • Major tracking greater than 50 feet from project site, significant sediment tracking on adjacent roads and streets	
Minor	Minor deficiencies means those deficiencies that do not pose a threat of discharging untreated storm water or pollutants to the MS4, surface waters, or State waters, but are not in strict conformance with an approved ESCP or the City's Minimum Erosion and Sediment Control BMP Checklist. Minor Deficiencies include but are not limited to: • Erosion and Sediment Control Plan is not current or updated regularly. • BMPs are not consistent with the Erosion Sediment Control Plan. • Inlet Protection require minor repair or maintenance • Soil stabilization or sediment controls are not properly maintained. • Site inspections by project staff are not being conducted at the required frequencies. • Small (i.e. less than 1 sq. yard) oil, fuel, or brake or transmission fluid spills are observed on site. • Evidence of active wind erosion on un-stabilized slopes/ stock piles. • Minor tracking less than 50 feet from project from defined ingress/ egress locations.	10 calendar days or before the next forecasted rain event, whichever is sooner

Attachment A: Erosion and Sediment Control Plan (ESCP) or
other Storm Water BMP Site Plan (drawing and notes)

Attachment B: Dewatering Plan

Attachment C: Applicable BMP Fact Sheets from the CCH Construction BMP Manual

Attachment D: Inspection Checklist and Records



CONSTRUCTION SITE BMPs INSPECTION CHECKLIST FOR CCH CATEGORY 1-4 CIP PROJECTS

For Official Use Only

Job No.	_____
Contract No.	_____
Dept./Div	_____ / _____
Category	_____

GENERAL INFORMATION

Project Name: _____		Date: _____	
Location: _____		TMK: ____ - ____ - ____ : ____	
Project Manager: _____		Phone #: _____	Email: _____
Contractor: _____			
Authorized Representative: _____		Title: _____	
Phone #: _____		Email: _____	
1. City Permit	☐ Building #: _____	Exp Date: _____	☐ Grading #: _____
(check all that apply):	☐ Grubbing #: _____	Exp Date: _____	☐ Stockpiling #: _____
2. Other Permits (list all): _____			

INSPECTION TYPE

☐ Regular Weekly Inspection ☐ Re-Inspection

PROJECT PHASE (Check all that apply)

☐ Mobilization/Demolition
 ☐ Grubbing/Clearing
 ☐ Rough Grading
 ☐ Infrastructure/Utilities
☐ Building Construction
 ☐ Final Grading
 ☐ Final Stabilization

RECORDS REVIEW (If "No" is checked for any of the following columns, complete **Deficiencies/ Corrective Action Reports** on page 2.)

	<u>Available at Site</u>	<u>Complete, Signed and Current</u>
Pre-Construction Inspection	☐ Yes ☐ No	☐ Yes ☐ No
Weekly Construction Inspections	☐ Yes ☐ No	☐ Yes ☐ No
Erosion and Sediment Control Plan (ESCP)	☐ Yes ☐ No	☐ Yes ☐ No

CONSTRUCTION BMP INSPECTION RESULTS (Mark the BMPs that are required per Plan for each column)

Construction BMP	Installed/ Maintained	# of Deficiencies	Construction BMP	Installed/ Maintained	# of Deficiencies	Construction BMP	Installed/ Maintained	# of Deficiencies
Erosion Prevention			Sediment Control			Good Housekeeping		
☐ Minimize Soil Compaction	☐ Y ☐ N		☐ Buffer Zone	☐ Y ☐ N		☐ Chemical Storage Areas	☐ Y ☐ N	
☐ Outlet Protection/Velocity Dissipation Devices	☐ Y ☐ N		☐ Inlet Protection	☐ Y ☐ N		☐ Concrete Washout Areas	☐ Y ☐ N	
☐ Permanent Stabilization	☐ Y ☐ N		☐ Perimeter Control	☐ Y ☐ N		☐ Construction Equipment Staging Areas	☐ Y ☐ N	
☐ Preserving Existing Vegetation	☐ Y ☐ N		☐ Sediment Basin ¹	☐ Y ☐ N		☐ Dewatering Practices	☐ Y ☐ N	
☐ Temporary Interceptor Dikes/Drainage Swales	☐ Y ☐ N		☐ Silt Fence/ Barrier	☐ Y ☐ N		☐ Dust Control	☐ Y ☐ N	
☐ Slope Protection	☐ Y ☐ N		☐ Other: _____	☐ Y ☐ N		☐ Maintenance	☐ Y ☐ N	
☐ Temporary Stabilization	☐ Y ☐ N					☐ Material Use & Pollution Control	☐ Y ☐ N	
☐ Other : _____	☐ Y ☐ N					☐ Sanitary/ Septic Waste Management	☐ Y ☐ N	
						☐ Spill Prevention and Control	☐ Y ☐ N	
						☐ Stabilized Construction Entrance	☐ Y ☐ N	
						☐ Stockpiling Management	☐ Y ☐ N	
						☐ Vehicle & Equipment Cleaning	☐ Y ☐ N	
						☐ Vehicle & Equipment Fueling	☐ Y ☐ N	
						☐ Waste Management	☐ Y ☐ N	
						☐ Other: _____	☐ Y ☐ N	

Deficiency	Description	Timeframe for Correction
Critical	Critical deficiencies are any BMP deficiencies that result in or pose an immediate threat of pollutant discharges to the MS4 or state waters.	Before the close of business.
Major	Major deficiencies are non-critical deficiencies that indicate a lack of good-faith efforts to comply with the requirements of these rules and those deficiencies that may reasonably be expected to result in the discharge of pollutants to the MS4 or State waters under rain conditions with a 10 year recurrence interval or less.	5 calendar days or before the next forecasted rain event, whichever is sooner.
Minor	Minor deficiencies means those deficiencies that do not pose a threat of discharging untreated storm water or pollutants to the MS4, surface waters, or State waters, but are not in strict conformance with an approved ESCP or Minimum Erosion and Sediment Control BMP Checklist.	10 calendar days or before the next forecasted rain event, whichever is sooner.

¹ Required for projects that disturb 5 acres or more

DEFICIENCIES/ CORRECTIVE ACTION REPORTS

Complete this section for each deficiency noted above. Photo documentation is required and must be attached to this inspection report.

Item No.	Location	Description of Deficiency	Severity (Minor, Major, Critical)	Date Corrected	Action Taken	ESCP amendment required? (Y/N)

Inspector Name and Title

Signature

Date

SECTION 33 01 40.50
STORM DRAIN AND MANHOLE CLEANING

PART 1 - GENERAL

1.01 GENERAL REQUIREMENTS

Unless otherwise indicated, the term "clean" as used in these specifications shall be defined as the removal of sufficient materials to render the storm drain line or storm drain to 95% of its original capacity. Descaling shall be defined as removal of tuberculation and corrosion products from cast iron pipe walls to obtain a minimum of 90% of the pipe's original inside diameter or as indicated by the Officer-in-Charge.

The work covered by this special provision shall consist of furnishing all labor, materials, equipment, and supervision to perform all work necessary to clean the designated drain lines and manholes.

All work shall be performed by experienced personnel using equipment and materials which meet the requirements hereinafter specified.

1.02 RELATED SECTIONS

Section 00 73 19 Health and Safety Requirements

Section 01 57 23 Temporary Storm Water Pollution Control

Section 01 66 13 Product Storage and Handling Requirements for Hazardous Materials

Section 31 13 12 Arboricultural Work, Including Tree Trimming, Root Pruning and Tree Protection Measures

1.03 SUBMITTALS

A. WORK PLAN AND PROCEDURES

The Contractor shall submit its plan and procedures for the work performed under this section to the Officer-in-Charge for review. The submittal shall include the equipment to be used and shall be submitted a minimum of fourteen (14) calendar days prior to work on site.

B. PERMITS AND APPROVALS

The Contractor shall submit a copy of all permits and approvals obtained to the Officer-in-Charge a minimum of fourteen (14) calendar days prior to the start of work on site.

C. REPORTS

At the end of each work week, the Contractor shall submit a report to the Officer-in-Charge, by email, of all cleaning performed, including the storm main number, manhole section (start manhole number to end manhole number) or manhole, line size, length of the section, type of pipe, length cleaned, cleaning method(s) used, special remarks and observations, and other pertinent data. The report shall be available to the Officer-in-Charge for inspection during the performance of work and shall become the property of the City after completion of the project. Work weeks shall be defined as Monday through Friday.

D. SITE SPECIFIC DISPOSAL PLAN

Prior to the commencement of each work order assignment with storm drain line cleaning greater than 24-inches, the Contractor shall submit a Site-Specific Disposal Plan for approval to the Officer-in-Charge. The Site-Specific Disposal Plan shall detail the procedures and provisions that the Contractor shall implement to ensure debris from large diameter pipe cleaning are disposed of properly, including but not limited to, the disposal method, all necessary permits, drying facility location, and hauling route. No cleaning activities involving the existing stormwater system and facilities shall be allowed until the Contractor's Site-Specific Disposal Plan has been reviewed.

PART 2 - PRODUCTS

2.01 EQUIPMENT

- A. All designated storm manhole sections shall be cleaned using vacuum and/or high velocity storm drain cleaning equipment as specified herein, and the selection of equipment to be used shall be based on the condition of the sections at the time the work commences. The equipment and the methods selected for cleaning shall be capable of removing all deposits, roots, obstacles and other deleterious materials from the storm drain lines.
1. Deposits shall include at minimum, attached deposits (tuberculation, encrustation, grease, ragging, tar, etc.), settled deposits (fine soil, gravel, concrete and hard debris, etc.), and ingress deposits (fine silt, sand, peat, gravel, etc.).
 2. Roots shall include, but are not limited to, fine, medium, ball and tap.
 3. Obstacles shall include, but are not limited to brick or masonry, pipe material, protruding objects (lateral taps, rebar), and wedged objects.
- B. All storm pipe cleaning equipment shall be used in a manner to ensure that all of the above described deposits, obstacles and other deleterious materials have been removed. Satisfactory precautions shall be taken to protect the storm drain lines and manholes from damage that might be inflicted by the use of the cleaning equipment.

- C. When additional quantities of water from nearby fire hydrants are necessary to avoid delays in the normal working procedure and use of such quantities of water have been approved by BWS, the water shall be conserved and not used unnecessarily. No fire hydrant shall be obstructed at any time. All solid or semi-solid materials (tuberculation debris, grease, rocks, sand, ragging, roots, sludge, etc.) resulting from all types of cleaning operations shall be trapped and removed at the downstream manhole of the section being cleaned. Passing materials from manhole section to manhole section shall not be permitted. All solid or semi-solid materials resulting from the cleaning operations shall be removed from the work area and properly disposed of by the Contractor in accordance with the City and State requirements. An appropriate disposal site shall be arranged for by the Contractor and approved by the Officer-in-Charge.
- D. All permits required for the proper transportation and disposal of the materials shall be the sole responsibility of the Contractor.
- E. VACUUM REMOVAL AND CLEANING EQUIPMENT

Equipment used to perform work under this section shall be in accordance with industry standards and practices.
- F. CLEANING CHEMICALS OR PRODUCTS

Any proposed cleaning chemicals or products shall first be approved for use by the Officer-in-Charge, and the Collection System Maintenance Division of the City's Department of Environmental Services. Any products used shall be in accordance with the manufacturer's instructions and all federal, state, City regulations, rules, and ordinances.

PART 3 – EXECUTION

3.01 EXPERIENCE

The Contractor shall have successfully performed a minimum of 10,000 linear feet of cleaning of storm drain pipe of 6-inch or larger diameter of which 1,000 linear feet shall have been for 15-inch diameter pipe or larger. The Contractor shall have a minimum of five (5) years of experience.

3.02 PERMITTING AND APPROVALS

The Contractor shall obtain a fire hydrant use permit from the Board of Water Supply (BWS) prior to any use of water from a fire hydrant. The Contractor shall also obtain all necessary permits required for the proper disposal of debris and other materials resulting from the cleaning work.

3.03 WORK PROCEDURE

- A. Cleaning for storm drain pipes shall commence at the upstream manhole section and proceed downstream unless otherwise approved by the Officer-in-Charge.
- B. All materials resulting from the cleaning operations shall be trapped and removed

from the downstream manhole of the manhole section being cleaned. The term "manhole section" as used in these specifications shall mean the length of storm pipe connecting two (2) adjacent manholes. No materials shall be allowed to continue through the downstream manhole into an adjacent manhole section at any time. The Contractor shall be responsible for properly disposing of all materials removed. Under no circumstances shall storm drain water or solids be dumped onto streets, or into streams, ditches, catch basins, storm drains, or the ocean. A vacuum truck or approved alternative equipment shall be used to remove heavy accumulations of material.

- C. If cleaning of an entire section cannot be successfully performed from one (1) manhole or the equipment fails to traverse the entire manhole section, it will be assumed that a blockage exists and either the equipment shall be set up on the other manhole or removal of the obstruction shall be attempted before the cleaning effort is abandoned, and only at the direction of the Officer-in-Charge.
- D. Where hydraulically propelled cleaning tools are utilized, precautions shall be taken to ensure that the water pressure created does not cause damage or flooding to public or private property.
- E. If necessary to attain the required degree of storm line and manhole cleaning, stormwater flow controls as specified in Section 33 01 40.10, "Stormwater Flow Control" shall be provided.
- F. The storm pipe lines and laterals shall be cleaned to a degree of cleanliness as specified and as necessary for subsequent inspection.
- G. All work associated with root pruning shall be in accordance with Section 31 13 12 Arboricultural Work, Including Tree Trimming, Root Pruning and Tree Protection Measures.
- H. No open manholes shall be left unattended during the Contractor's operations.
- I. The Contractor shall be responsible for maintaining storm drainage service at all times during work.
- J. The Contractor shall be responsible for locating hidden or buried manholes.
- K. Damage to private property, storm pipes, manholes and appurtenances caused by the Contractor's work shall be repaired by the Contractor at no additional cost to the City.
- L. UNHOUSED INDIVIDUALS

Should the Contractor discover unhoused individuals within structures, the Contractor shall immediately contact the Officer-in-Charge. The Contractor shall not remove or touch belonging to such individuals. The City shall be responsible for the coordination and relocation of the individuals.

Upon the relocation of such individuals, if removal of remnant items is needed, the Contractor shall contact the Officer-in-Charge or its authorized representative. Upon approval of the Officer-in-Charge, the Contractor shall remove remnants.

3.03 MEASUREMENT AND PAYMENT

The Officer-in-Charge will measure and pay for the debris removal at the unit price bid per cubic yard, as provided for in Appendix C: Pricing/Certifications and shall be full compensation for the completed work, inclusive of plugs, blockages and beyond normal debris, and sediment deposit accumulation deemed to be considered major and non-routine; and all incidentals to complete the work.

The Officer-in-Charge will measure and pay for the cleaned and accepted storm drain lines and manholes shall be made at the unit price bid per linear foot, not to exceed the physical length of the pipe, as provided for in Appendix C: Pricing/Certifications and shall be full compensation for the completed work, inclusive of normal removal and disposal of debris and sediment deposit accumulation deemed to be considered minor and routine; and all incidentals to complete the work.

The Officer-in-Charge will measure and pay for the cleaned and accepted culverts shall be made at the unit price bid per linear feet, not to exceed the physical length of the pipe, as provided for in Appendix C: Pricing/Certifications and shall be full compensation for the completed work, inclusive of normal removal and disposal of debris and sediment deposit accumulation deemed to be considered minor and routine; and all incidentals to complete the work.

The Officer-in-Charge will measure and pay for the cleaned and accepted grated inlets shall be made at the unit price bid per each, not to exceed the physical length of the pipe, as provided for in Appendix C: Pricing/Certifications and shall be full compensation for the completed work, inclusive of normal removal and disposal of debris and sediment deposit accumulation deemed to be considered minor and routine; and all incidentals to complete the work.

Payment for work under this section will be full compensation for furnishing the necessary material, equipment, and labor to complete the work in place as prescribed in the contract documents.

END SECTION 33 01 40.50

Section 50 04 00
PLANNING AND PRIORITIZATION

PART 1 - GENERAL

1.01 DESCRIPTION

This section provides guidelines for services related to assisting the City in the planning and prioritization of inspections, repairs, reconstruction and rehabilitation of the City's storm water assets.

1.02 REFERENCES

References made herein are for the convenience of the Contractor and does not present an exclusive list of all applicable rules and reference documents under which the Contractor shall perform their work.

1.03 RELATED SECTIONS

Section 27 25 33 Inspection Database Software

Section 33 01 40.11 CCTV Inspection

Section 33 01 40.12 Camera Inspection

Section 33 01 40.13 Combined CCTV Inspection / Sonar Inspection

Section 33 01 40.14 Combined CCTV Inspection / Laser Profiling Inspection

Section 33 01 40.15 Manned Entry Inspection

Section 50 01 00 NASSCO Condition Assessments

Section 50 02 00 Condition Assessments

1.04 SUBMITTAL

A. PLANNING MEMORANDUMS

The Contractor shall develop Planning Memorandums as specified by the Work Order. The subjects of the memorandum may include but be limited to:

1. Inspection Planning: The Contractor shall review storm water asset information (e.g. Geographic Information System (GIS)) provided by the City and provide recommendations through a memorandum as to the order in which inspections should be conducted. A cost estimate for such inspections shall also be included in the memorandum.
2. Consolidated Planning: The Contractor shall review Planning and/or Repair, Reconstruction and Rehabilitation Recommendation and Prioritization

Technical Memorandums specified by the City. The Contractor shall then prepare and submit a memorandum which consolidates information from memorandums and provides a recommendation as to the order in which inspections and/or improvements are conducted. Other information may be provided which will assist the City in preparing budget requests.

3. Other Planning: The Contractor shall prepare memorandums that will assist the City in its planning efforts as it relates to work under this Agreement.

B. REPAIR, RECONSTRUCTION AND REHABILITATION RECOMMENDATION AND PRIORITIZATION TECHNICAL MEMORANDUM

Unless otherwise specified in the Work Order, the Contractor shall provide repair and/or rehabilitation recommendations of the City's stormwater infrastructure based on the inspection and assessment conducted in the Work Order.

Recommendations for such improvements must be made by a structural engineer licensed in the State of Hawaii. Information presented in the memo shall include but not be limited to improvement: type, magnitude, location, design and construction cost estimates, etc. Such information shall provide high-level information which the City can use to prepare budget requests.

In addition, the Contractor shall provide recommendations on the order in which such improvements should be made.

PART 2 - PRODUCTS

2.01 PRODUCTS

The Contractor may utilize software such as Sharepoint, PowerBI, Microsoft Office Suite (e.g., Word, Excel, Access), ESRI GIS mapping software to gather and consolidate data and information.

PART 3 - EXECUTION

3.01 PLANNING MEMORANDUM

The Contractor shall submit a Planning Memorandum within thirty (30) calendar days from issuance of the NTP, unless otherwise approved by the Officer-in-Charge.

3.02 REPAIR, RECONSTRUCTION AND REHABILITATION RECOMMENDATION AND PRIORITIZATION TECHNICAL MEMORANDUM

Unless otherwise approved by the Officer-in-Charge, no later than thirty (30) calendar days following the completion of all inspection under the Work Order, the Contractor shall submit to the Officer-in-Charge the Repair and Rehabilitation Recommendation and Prioritization Technical Memorandum for review.

3.03 MEASUREMENT AND PAYMENT

Measurement of work performed to develop Planning Memorandums covered under this section will not be measured. Payment for development of Planning Memorandums, shall be made at the respective unit prices per hour as provided for in Appendix C: Pricing/Certification and shall include reports, documentation, and all incidentals necessary to complete the work, and shall be full compensation for the completed work.

Measurement of work performed to develop Repair, Reconstruction and Rehabilitation Recommendation and Prioritization Technical Memorandums covered under this section will not be measured. Payment for development of Repair, Reconstruction and Rehabilitation Recommendation and Prioritization Technical Memorandums, shall be made at the respective unit prices per hour as provided for in Appendix C: Pricing/Certification and shall include reports, documentation, and all incidentals necessary to complete the work, and shall be full compensation for the completed work.

END SECTION 50 04 00

**THE FOLLOWING PAGES SHALL BE DETACHED FROM THE SOLICITATION
DOCUMENT AND SUBMITTED WITH THE OFFEROR'S PROPOSAL.**

APPENDIX C: PRICING/CERTIFICATIONS

Offeror's Legal Business Name

Director of Budget and Fiscal Services
City and County of Honolulu
Honolulu, Hawaii 96813

SOLICITATION NO. RFP-DFM-1883506
Storm Drain Inspection, CCTV, and Cleaning Services

ITEM	DESCRIPTION	EST QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
1	Water pollution, dust and erosion control in accordance with Section 01 57 23	The cost to the City shall be the actual cost charged to the Contractor and in accordance with HAR §3-122-137.			
2	Camera Inspection in accordance with Section 33 01 40.12	504	Each	\$	\$
3	Manned Entry - Inspection whereby the diver is unable to stand erect (pipes 30" to 66") in accordance with Section 33 01 40.15	133	Linear Foot	\$	\$
4	Manned Entry - Inspection whereby the diver may stand erect (pipes +66") in accordance with Section 33 01 40.15	133	Linear Foot	\$	\$
5	Manned Entry – Boxed Culverts less than 10 feet in accordance with Section 33 01 40.15	133	Linear Foot	\$	\$
6	Manned Entry – Boxed Culverts greater than 10 feet in accordance with Section 33 01 40.15	133	Linear Foot	\$	\$

ITEM	DESCRIPTION	EST QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
7	Combined CCTV / Sonar - Inspection of pipes less than or equal to 24 to 48 inches in diameter in accordance with Section 33 01 40.13	19,460	Linear Foot	\$	\$
8	Combined CCTV / Sonar - Inspection of pipes greater than 48-inches in diameter in accordance with Section 33 01 40.13	2,927	Linear Foot	\$	\$
9	Combined CCTV / Laser Profiling - Inspection of pipes greater than 48-inches diameter in accordance with Section 33 01 40.14	988	Linear Foot	\$	\$
10	Reproduction of documents (e.g. handouts, training material, notices, reports), permitting, fees, communications, utility related work, sub-contractor/consultant work, sampling services, laboratory testing, payment to utility companies in accordance with Section 00 05 Allowance	The cost to the City shall be the actual cost charged to the Contractor and in accordance with HAR §3-122-137.			
11	Private Wastewater Spill Clean Up - Regular Call Out (8:30am to 3:30pm) in accordance with Section 02 90 00	2	Each	\$	\$
12	Private Wastewater Spill Clean Up - After Hours Call Out (3:30pm to 8:30am) in accordance with Section 02 90 00	1	Each	\$	\$
13	Private Wastewater Spill Clean Up - Holiday Call Out (8:30am to 3:30pm) in accordance with Section 02 90 00	1	Each	\$	\$

ITEM	DESCRIPTION	EST QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
14	Private Wastewater Spill Clean Up - Holiday After Hours Call Out (3:30pm to 8:30am) in accordance with Section 02 90 00	1	Each	\$	\$
15	Root Pruning in accordance with Section 31 13 12	100	Hour	\$	\$
16	Small tree, shrub removal, or brush clearing in accordance with Section 31 13 12	100	Hour	\$	\$
17	Additional root pruning, temporary or permanent relocation, QA's services, tree protection measure in accordance with Section 31 13 12	The cost to the City shall be the actual cost charged to the Contractor and in accordance with HAR §3-122-137.			
18	Storm drain pipe and manhole cleaning, including descaling of pipes 6-inches in diameter in accordance with Section 33 01 40.50	81	Linear Foot	\$	\$
19	Storm drain pipe and manhole cleaning, including descaling of pipes 8-inches in diameter in accordance with Section 33 01 40.50	80	Linear Foot	\$	\$
20	Storm drain pipe and manhole cleaning, including descaling of pipes 12-inches in diameter in accordance with Section 33 01 40.50	440	Linear Foot	\$	\$
21	Storm drain pipe and manhole cleaning, including descaling of pipes 15-inches in diameter in accordance with Section 33 01 40.50	11	Linear Foot	\$	\$
22	Storm drain pipe and manhole cleaning, including descaling of pipes 18-inches in diameter in accordance with Section 33 01 40.50	19,050	Linear Foot	\$	\$

ITEM	DESCRIPTION	EST QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
23	Storm drain pipe and manhole cleaning, including descaling of pipes 24-inches in diameter in accordance with Section 33 01 40.50	8,191	Linear Foot	\$	\$
24	Storm drain pipe and manhole cleaning, including descaling of pipes 30-inches in diameter in accordance with Section 33 01 40.50	4,311	Linear Foot	\$	\$
25	Storm drain pipe and manhole cleaning, including descaling of pipes 36-inches in diameter in accordance with Section 33 01 40.50	3,384	Linear Foot	\$	\$
26	Storm drain pipe and manhole cleaning, including descaling of pipes 42-inches in diameter in accordance with Section 33 01 40.50	1,922	Linear Foot	\$	\$
27	Storm drain pipe and manhole cleaning, including descaling of pipes 48-inches in diameter in accordance with Section 33 01 40.50	1,650	Linear Foot	\$	\$
28	Storm drain pipe and manhole cleaning, including descaling of pipes 54-60-inches in diameter in accordance with Section 33 01 40.50	1,567	Linear Foot	\$	\$
29	Cleaning of culverts in accordance with Section 33 01 40.50	1,000	Linear Foot	\$	\$
30	Cleaning of grated inlets in accordance with Section 33 01 40.50	100	Each	\$	\$
31	Debris Removal in accordance with Section 33 01 40.50	2,000	Cubic Yard	\$	\$
32	Training to City Employees on Database Software Usage - Section 27 25 33	8	Hour	\$	\$

ITEM	DESCRIPTION	EST QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
33	Stormwater flow control for CCTV inspection/Cleaning of pipes less than or equal to 30-inch diameter in accordance with Section 33 01 40.10	1	Each	\$	\$
34	Stormwater flow control for CCTV inspection/Cleaning of pipes 30, 36, 42, or 48-inch Diameter Pipe in accordance with Section 33 01 40.10	1	Each	\$	\$
35	Traffic Control, Traffic Control Devices and Police Officers in accordance with Section 01 55 26	The cost to the City shall be the actual cost charged to the Contractor and in accordance with HAR §3-122-137.			
36	CCTV Inspection of pipes 6 thru 24-inches in diameter accordance with Section 33 01 40.11	27,855	Linear Foot	\$	\$
37	CCTV Inspection of pipes 30-inches diameter in accordance with Section 33 01 40.11	4,311	Linear Foot	\$	\$
38	CCTV Inspection of pipes 36-inches diameter in accordance with Section 33 01 40.11	3,384	Linear Foot	\$	\$
39	CCTV Inspection of pipes 42-inches diameter in accordance with Section 33 01 40.11	1,922	Linear Foot	\$	\$
40	CCTV Inspection of pipes 48-inches diameter in accordance with Section 33 01 40.11	1,650	Linear Foot	\$	\$
41	CCTV Inspection of pipes 54 thru 60 inches diameter in accordance with Section 33 01 40.11	1,567	Linear Foot	\$	\$
42	Product Storage and Handling Requirements for Hazardous Materials in accordance with Section 01 66 13	The cost to the City shall be the actual cost charged to the Contractor and in accordance with HAR §3-122-137.			
43	NASSCO Certified Assessment for Structures in accordance with Section 50 01 00	42,051	Linear Foot	\$	\$

ITEM	DESCRIPTION	EST QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL PRICE
44	NASSCO Certified Assessment for Structures in accordance with Section 50 01 00	3,364	Hour	\$	\$
45	Condition Assessments in accordance with Section 50 02 00	5,000	Linear Foot	\$	\$
46	Condition Assessments with Section 50 02 00	50	Hour	\$	\$
47	Planning Memorandums in accordance with Section 50 04 00	200	Hour	\$	\$
48	Repair, Reconstruction and Rehabilitation Recommendation and Prioritization Technical Memorandums in accordance with Section 50 04 00	200	Hour	\$	\$
49	Evasive Efforts to Access Structures in accordance with Section 01 14 15	The cost to the City shall be the actual cost charged to the Contractor and in accordance with HAR §3-122-137.			
50	Access and Use of Private Property in accordance with Section 01 14 34 and Section 01 55 29	The cost to the City shall be the actual cost charged to the Contractor and in accordance with HAR §3-122-137.			
TOTAL SUM BID (Item Nos. 1 thru 50, inclusive):				\$	

By signing the Certificate of Acceptance of Solicitation Requirements at the end of Appendix C: Pricing/Certifications herein, the Offeror also understood and agreed that the undersigned acknowledges the following:

1. The quantities of work shown herein are approximate only and are subject to increase or decrease, and the Contractor agrees to do the work whether the quantities are increased or decreased at the unit prices stated in Appendix C: Pricing/Certifications.
2. The proposal submitted on the various items in this Appendix C: Pricing/Certifications include all materials, equipment, labor and all other necessary work required for this project in accordance with the specifications herein. The quantities in any item in this Offer are approximate only and that payment will be made only for the actual quantities of services provided in place complete, regardless of amount of material, equipment and labor necessary to complete the same in a proper and workmanlike manner and in accordance with the plans and specifications. The quantities shown are given only for the Offeror's and/or Contractor's convenience and for the purpose of making monthly

estimates. The Contractor shall verify these quantities in any manner he deems necessary or expedient.

3. The estimated quantities shown on items for which a UNIT PRICE is given in this Offer are only for the purpose of comparing, on a uniform basis, the Total Sum offered for the work under this Agreement, and that they are satisfied with and shall at no time dispute said estimated quantities as a means of comparing the bids. They shall make no claim for anticipated profit or loss of profit because of a difference between the quantities of the various classes of work done or the materials and equipment actually installed and the said estimated quantities.
4. If the product of the UNIT PRICE bid by the number of units does not equal the total amount named by the Offeror of any items, it shall be assumed that the error was made in computing the total amount and for the purpose of computing the lowest Total Sum Bid, the named UNIT PRICE alone shall be considered as representing the Offeror's intention and the total amount bid on such item shall be considered to be the amount arrived at by multiplying the UNIT PRICE by the number of units.
5. The liquidated damages for each and every calendar day delay in the completion of the contract or Work Order shall be as specified in the Technical Specifications.

The undersigned represents: **(Check one only)**

☐ A **Hawaii business** incorporated or organized under the laws of the State of Hawaii;

OR

☐ A **Non-Hawaii business** not incorporated or organized under the laws of the State of Hawaii.

State of Incorporation or Organization: _____

Offeror is: ☐ Sole Proprietor; ☐ Partnership; ☐ Corporation; ☐ Joint Venture;

☐ Other: _____

Respectfully submitted,

Offeror's Legal Business Name

Signature

Print Name and Title of Above

Business address:
(Street Address)

City, State, Zip Code:

Business mailing address:
(If other than address above)

City, State, Zip Code:

Payment mailing address:
(If other than address above)

City, State, Zip Code:

Business Telephone No:

Business Cellular No:

Business Fax No.:

Business E-Mail Address:

Person to Contact if Awarded:

Last 4 numbers of Federal Identification No.: XX-XXX

- Or - Last 4 numbers of Social Security No. if Sole Proprietor: XXX-XX-

WAGE, HOURS AND WORKING CONDITION CERTIFICATE

To: Director of Budget and Fiscal Services, City and County of Honolulu

Solicitation No: RFP-DFM-1883506

Pursuant to Section 103-55, Hawaii Revised Statutes, and the provisions of Wages, Hours And Working Conditions of Employees of Contractors Supplying Services of the Special Provisions, I hereby certify that if awarded the contract in excess of \$25,000, the services will be performed in accordance with HRS § 103-55, as amended, and the terms of the awarded contract.

The services to be rendered under this Agreement shall be performed by employees paid at the wages or salaries which are not less than the wages or salaries paid to public officers and employees for similar work.

When bidding, the Offeror shall take into consideration that there may be wage increases throughout the duration of the contract. The Offeror should contact the Department of Human Resources, Classification and Pay Division personnel, at telephone number (808) 768-8510 for further information regarding related job classification and equivalent wage payment.

For contract for services performed by laborers and mechanics, I certify that, if awarded the contract in excess of \$25,000, the Contractor or the Contractor's subcontractor(s) shall give a copy of the rates of wages to each laborer and mechanic employed under the contract by the Contractor at the time each laborer and mechanic is employed; provided that the Contractor does not have to provide the Contractor's employees the wage rate schedules where there is a collective bargaining agreement.

I further certify that, if awarded the contract in excess of \$25,000, the performance of the services under the contract will fully comply with all applicable laws of the Federal and State governments relating to workers' compensation, unemployment compensation, payment of wages, and safety.

Offeror's Legal Business Name: _____

Name of person signing: _____
(Print Name)

(Signature)

Title of person signing: _____

Date: _____

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:

Storm Drain Inspection, CCTV, and Cleaning Services

RFP-DFM-1883506

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 the City which are part of this proposal.

Offeror's Legal Business Name: _____

Name of person signing: _____

Title of person signing: _____

(Signature)

(Date)

**CERTIFICATE OF ACCEPTANCE
OF SOLICITATION REQUIREMENTS**

It is understood and agreed that the undersigned acknowledges the following:

1. The Offeror has read this solicitation document including any addenda, in its entirety;
2. The Offeror understands and agrees to furnish, deliver, and perform the requirements of the solicitation in strict compliance with the solicitation document as amended, including any specifications, plans, and scope of work descriptions, without any exceptions, if awarded a contract;
3. The Offeror understands and agrees that no substitution or alternate brands may be furnished without the **written approval** of the City;
4. The Offeror understands that the Contractor shall resolve any noncompliance with the requirements of the awarded contract at the Contractor's own expense;
5. The Offeror will make all modifications or customizations to the brand and model being offered as necessary to meet all specifications, at no additional cost. Offeror guarantees that all modifications or customizations done to meet specifications shall not affect the quality or operation of the product; and
6. The Offeror understands that **FAILURE TO MEET CONTRACT REQUIREMENTS WILL CONSTITUTE A BREACH OF CONTRACT THAT MAY RESULT IN SUSPENSION OR DEBARMENT, AND THE EXERCISE OF RIGHTS AND REMEDIES AS PROVIDED BY LAW.** Contract requirements include any specifications, plans, and scope of work descriptions;
7. The undersigned is an authorized representative of the Offeror and can legally obligate the Offeror thereto.

Offeror's Legal
Business Name: _____

Signature: _____

Title: _____

Date: _____

END OF APPENDIX C.