STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HARBORS DIVISION

GSA Schedule 70 Request for Quote:

Comprehensive Information Database System (CIDS), Harbor Master migration to Port Hawaii Information Management System (PHIMS)

PROJECT NO. SI-2018-01

2018

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Relevant Dates and Instructions

This Request for Quotes, RFQ is being released on GSA Schedule 70. In addition to the enclosed referenced terms and conditions other GSA rules and terms may apply. It is up to the contractor to familiarize themselves with these rules and comply.

Release date:	April 24, 2018
Due date:	May 7, 2018 by time noted on GSA eBuy
Questions:	RFQ Contact listed in contacts, questions must be submitted by April 27, 2018 at 3 PM HST
Proposal Checklist:	The following must be completed with responses. 1) Contractor Qualifications 2) Personnel Qualifications a) Attached Personnel Resumes 3) Relevant Experience 4) Project Approach 5) Scope of Work 6) ATTACHMENTS
Submission:	Completed responses uploaded to GSA eBuy by close date.

Introduction

This Scope of Work (SOW) is between the State of Hawaii (SOH), Department of Transportation, Harbors Division (DOTH), and Consultant. Professional services are being solicited for the requirements validation, design, development and implementation (DDI), project management, quality assurance, user acceptance and training for DOTH Harbor Master functionality migration from existing Delphi application, Comprehensive Information Database System (CIDS) developed for SOH in 2002. In addition to the Harbor Master migration and DDI, the SOW includes architecture and development of a platform for a modern web-application based on open standards and use of a relational database management system (RDBMS), currently Oracle. DOTH does not require a new RDBMS. Current Oracle RDBMS provides functionality and reliability that DOTH seeks to maintain.

CIDS is deployed throughout DOTH and used in a limited capacity. The system modules in use are Harbors Master, Property Manager and Accounts Receivables. Currently, the CIDS application is not complete. Some of the system modules are not fully operational while others are incomplete. Due to a dispute with the CIDS application developer there are no Delphi source codes for the CIDS application. DOTH is using a workaround called the Extended CIDS application (eCIDS), a stand-alone PHP/Perl application, to extend the CIDS functionality to meet operating and service requirements. Recently another workaround called the Port Hawaii Information Management System (PHIMS), has been deployed to extend the eCIDS functionality to meet operating and service requirements, and uses a Jboss application server.

PHIMS and eCIDS are both browser-based, allowing deployment via the DOT intranet. PHIMS and eCIDS provide additional functionality and workarounds for CIDS problems without modifying existing CIDS codes. The functions interact directly with the CIDS database. The main module, Harbor Master, tracks critical information on ships at all harbors statewide, logging into a historical database all ship activities and related information, and is used for accounting and revenue management. The CIDS system is key to the operations of the ports and harbors statewide. In addition, the CIDS data provides financial information that is used for long term financial planning, and provides current operations and financial schedules that are required for the sale of revenue bonds secured by the State. The operations and financial reporting provided by CIDS data is critical to smooth operations and an accurate financial report that is required by the State to maintain its current bond rating, future bond solicitations and overall financial information required by the legislature. CIDS today is a 16-bit application that runs on PC workstation desktop system and communicates with a backend database system running on an Unix server infrastructure. Both CIDS and the Unix database system are outdated, out of support and no longer able to be properly maintained. The CIDS 16-bit application runs in a limited compatibility environment since all current PC workstation desktop systems are now 32/64 bit architecture. The end-to-end CIDS system and architecture is at a great risk of failure due to the inability to apply patches, updates and upgrades. Included in this risk is a growing security concern over compliance and threats that are targeted to older platforms and systems that are not properly maintained and supported. These security vulnerabilities, along with the lack of a modern system and operating environment, can render the system useless or cause a breach of sensitive information with little warning or detection due to the outdated nature of the CIDS system and platform.

Term of Contract
The term of this contract shall be for three (3) years, to commence from the date indicated in the Notice to Proceed from the State.

Subject to the availability of appropriation, this contract may be extended for two (2) additional one-year periods, upon mutual agreement between the State and Contractor, provided:

- The written agreement to extend is exercised prior to the expiration of the term of the contract.
- The term, including yearly extensions, shall not exceed five (5) years

Type of Contract
1. SOH DOTH will award a firm fixed price agreement based on deliverables defined by consultant as part of its response to this RFQ, and approved by SOH DOTH
2. Consultants shall propose a team with knowledge, skills, etc. pursuant to Consultant Personnel Qualifications (here within).

Personnel Skill and Qualifications

Bidders are required to attach a resume of each personnel resource assigned to this contract in accordance with Attachment A. PERSONNEL QUALIFICATION FORM summarizing the areas that indicate that the assigned personnel meet the minimum qualifications. Failure to meet the minimum qualifications may be grounds for rejection.

Contractor Qualifications
The Contractor must have at least one (1) staff member with eight (8) years of Oracle Database Administration experience based on IBM Technology of which the last five (5) years shall include installation or upgrade of an Oracle Database System using IBM AIX Technology for a deployed application at the time of bid opening.

The Contractor must have at least three (3) staff members with at least five (5) years of open standards web-application development experience, in areas such as; Java, Javascript, Eclipse, GIT and familiar with other DOTH technologies like GWT, Jasper, JBoss and PHP/Perl

The Contractor must have at least one (1) staff member with experience with transportation and preferably Harbor information systems like; harbor master, property management and harbor financial management.

In addition, the contractor must meet the following qualifications at the time of bid opening:
1. Must have a local operating office based in Honolulu, HI where key personnel included in the proposal have been assigned. Personnel assigned this project must report to the office based in Honolulu, HI.

2. Must be able to perform services at the DOTH worksite during normal business hours, Monday through Friday, at minimum from 7:45 a.m. to 4:30 p.m.

3. Must be able to perform services after normal work hours/weekends/holidays based on arrangements with the DOTH.

4. On-site services are to be performed at the following location:

   Hale Awa Ku Moku Building
   79 South Nimitz Highway
   Honolulu, Hawaii 96813

   There may also be occasions when staff will need to meet with Department or State personnel at other sites such as:

   Aliiaimoku Building
   869 Punchbowl Street
   Honolulu, Hawaii 9681

   Kalanimoku Building
   1151 Punchbowl Street
   Honolulu, Hawaii 96813

Personnel Qualifications
Employee analyst(s) assigned to this contract must be employed by the contractor and possess the following minimum qualifications at time of bid opening:

1. Must possess at least five (5) years of experience supporting Microsoft Windows Professional workstation software, of which the last three (3) years included experience in maintaining Windows 7 operating system software.

2. Must possess at least eight (8) years of experience of Oracle database administration which include at least five (5) years of experience supporting and maintaining IBM AIX operating system software.

3. Must possess at least five (5) years of experience supporting IBM Tivoli storage manager software network backup and recovery.

4. Must possess at least five (5) years of experience supporting and maintaining Borland Delphi applications connected to Oracle databases on a local area network.

5. Must possess at least five (5) years of experience maintaining and supporting browser-based web applications using PHP/PERL software connected to Apache HTTP server and Oracle database server on a local area network.

6. Must possess at least five (5) years of experience maintaining and supporting browser-based web applications with JBoss and Apache Tomcat Application Server, Eclipse IDE, eclipse and JBoss tools plugins, Hibernate, EJB3, Commons Logging, iReports, Jasper Reports, Jasper Intelligence software, Java, Javascript libraries, Spring Framework, Jenkins and development collaboration tools like GIT, Bitbucket and Slack.

7. Must possess at least five (5) years of business system analyst experience to resolve business problems and requirements with a general systems solution that may or may not require application systems development.

Relevant Experience
Must describe, in detail, previous relevant experience including certifications which demonstrates the contractor's capability to perform and complete tasks required in this contract.

Project Approach
Contractor must provide an approach that demonstrates it's understanding of the requirements of this contract and demonstrate an understanding of the operations, operational environment and functionality of the CIDS environment. Please include and describe methodologies, processes and techniques that will be used to deliver a successful project.

Support and Response Time
In the event of a system failure for CIDS, eCIDS or PHIMS, the selected contractor must respond within three (3) hours of being notified.

Selected contractor must also be able to perform critical application related maintenance or support after hours and on weekend and on holidays based on arrangements with DOTH.

Selected contractor must also have an on-line help and support web application to track issues and organize actions required for resolution.

Selected contractor must comply with all security requirements while working on-site. This may include obtaining security clearance for all personnel sent to the DOTH worksite. Personnel will also be required to comply with all State policies, including but not limited to policies established by the Office of Enterprise Technology Services (ETS).

Scope of Work

The contractor is responsible for migrating existing Harbor Master functionality from CIDS to a modern web-application based on open standards technology like; Java, Javascript and an Oracle relational database system. The contractor is responsible for requirements validation, design, development and implementation (DDI), project management, quality assurance, support of user

acceptance tests and training. This migration must be made while the existing CIDS system is in place and must be supported along with functionality from the eCIDS and PHIMS systems.

Please provide a response to how each of the following will be addressed. The elements of the scope of work must be included in the Price section.

1. Requirements validation of CIDS Harbor Master functionality, including updated architecture, logical technical diagram, physical as-built diagram and updated flow diagrams.

2. Project plan and approach detailing the design, development and implementation of the migrated Harbor Master functionality from CIDS to a modern web-application platform.

3. Identify, plan and provide adequate project management and administrative support in conjunction with the DOTH project lead. Including status reports, status meetings, financial status reports, scheduling of demonstrations, testing, UAT activities, release activities and training.

4. Identify, plan and provide a communication plan that includes all contractor and DOTH project members, status report distribution list, issues escalation process release and key escalation contacts.

5. Identify, plan and provide any infrastructure and software requirements for development, testing, UAT, staging and production of the system being provided.

6. Maintain the integrity and validity of the CIDS system during and after the Harbor Master functionality has been migrated to PHIMS.

7. Identify any maintenance problems and develop solutions as needed after the migration of Harbor Master from CIDS to PHIMS

8. Identify new maintenance and backup procedures to support the Harbor Master function moving to PHIMS

9. Modify or correct CIDS, eCIDS and PHIMS processing issues during and after the migration of Harbor Master functionality to PHIMS

10. Identify and update support procedures, documentation, as-built architecture diagrams, user guides, operations guides, technical guides and data element documentation.

11. Identify, develop and provide training for Harbor Master functionality migrated to PHIMS

12. Identify and update any impact to existing change management processes for CIDS, eCIDS and PHIMS environments.

13. Maintain a DOTH accessible web based system for code repository, issues tracking and project documentation and key deliverables including diagrams and architecture updates.

14. Identify, plan and provide a release and related testing plan for implementation of migrated functionality.

15. Identify, plan and provide a User Acceptance Testing plan for implementation of migrated functionality.

16. Identify, plan and provide a final system validation process for system implementation into production.

17. Conduct a project completion plan with recommended findings, recommendations and system support plan.

18. Provide production turnover training and support as needed.

19. Contractor warrants that the Services to be performed by Contractor shall be performed in a professional and workmanlike manner. In addition, Contractor warrants that the Services provided hereunder shall result in a system that operates within Client's production environment in accordance with the Requirements as defined in the RFQ and contract. If, at any time within one (1) year after Acceptance by Client (the "Warranty Period"), the Client discovers that the Services do not result in a system that operates in accordance with such Requirements and Client has not made any modifications to the system that caused such defect or malfunction, Contractor shall, at no cost to Client and in a timely manner, make such system function substantially in accordance with the Requirements.

20. Contractor warrants that all Deliverables provided by Contractor shall comply with the form, content, performance, and functionality specified in the RFQ and contract. If, at any time within the Warranty Period, the Client discovers that a Deliverable does not comply with this Warranty, Contractor shall, at no cost to Client and in a timely manner, make such Deliverable conform and comply with this Warranty.

This scope of work and list of responsibilities is not meant to be comprehensive. The contractor should identify other critical needs and bring them to the attention of DOTH as needed to successfully support the project and on-going operations.

Technical Environment

The CIDS application is a two-tiered client-server application. The client workstations use Microsoft Windows 7 operating software. The Extended CIDS client workstations use Microsoft Internet Explorer Version 11.0 browser.

CIDS Production Server Configuration
The following gives basic information about the CIDS production server machine.

Machine Type:	Logical partition of an IBM P670 (7040-671), Allocated 2 processors, 4GB RAM, and 80 GB disk space
Location:	DOT-CSS Office, 869 Punchbowl St
Operating System:	IBM AIX V5.2
Installed Packages:	IBM TSM 5.3.4.0 Oracle 10g 10.2.3. with JVM 1.4.2 PHP 4.3.10 Perl 5.8 PEAR Base System 1.4.9 PEAR DB 1.58 C for AIX (version 6.0) Apache HTTP Server 1.3 GWT V2.4.0 Java Runtime Environment 1.6.0 Java Application Development Debuggers 1.3.1 Java Development Kit 32-bit 1.6.0.20 Java Swing Hibernate Java EJB3 JavaScript Tomcat Common Logging Eclipse Helios 3.6 — Subeclipse, JBoss tools plugins JBoss AS V4.2 Jasper Reports — iReports, intelligence V4.7.0 Port Management Infatination Management System (PHIMS) Extended CIDS (eCIDS)

CIDS System Application

The following gives basic information about the CIDS application including developer and third party tools used in building the executable.

Installed Packages:	Delphi 5 & 7 EE
	D5adoupdate2 2.4.1.0
	Bde511en 2.4.1.0
	Oracle Driver update sqlOra8 512.exe
	Rave Reports 4 plus source code
	Hyperterp for Delphi 5
	Infopower 2000 Pro
	MyODBC 2.5.3.9
	Bars 4.2
	DBTreeSuite 1.3.1
	Eforum Library 1.3
	MemData 1.82
	OrgChart 1.31
	Printing System 2.3
	Quantum Grid Suite 3.22 Pro
	Page Control 1.11

Change Management Process

CIDS Server Change Management Procedure

Selected contractor must follow the procedure for initiating and managing a CIDS host server software and/or hardware change request is as follows:

1. The DOTH CIDS Committee is contacted about a CIDS server change request in one of the following ways:
    a. If the Initiator is the DOT-Computer Systems and Services Office (DOT-CSS), DOT-CSS contacts the DOTH IT coordinator about the needed change. The DOTH IT coordinator then submits the change request to the DOTH CIDS Committee.
    b. If the Initiator is the DOTH IT coordinator, she/he simply submits her/his change request to the DOTH CIDS Committee.

2. The DOTH CIDS Committee enters the change request into the DOTH CIDS System Level Change Requests spreadsheet ("Server Changes" tab)

3. The DOTH, CIDS Committee holds a meeting with the DOT-CSS to determine what will be changed and how to go about testing the change, as well as if help from a Contractor will be needed.

4. If Contractor help is needed:
    a. The DOTH IT coordinator, using either the Harbors Division Work Request Form or the DOTH CIDS Migration Contractor's work request system, submits a work request to the DOTH CIDS Migration Contractor.
    b. The DOTH CIDS Migration Contractor creates and submits the following to the DOTH CIDS Committee:
        i. Preliminary estimate of hours needed to implement the change
        ii. Requirements definition document
    c. The DOTH CIDS Committee head and the Initiator look over the hours estimate and the requirements definition and decide whether to approve or reject them, and let the DOTH CIDS Migration Contractor know the results.
        i. If the hours and/or requirement definitions are rejected, the DOTH CIDS Migration Contractor must revise them and resubmit them to the DOTH CIDS Committee.
    d. If warranted, the DOTH CIDS Migration Contractor creates and submits the following to the DOTH CIDS Committee:
        i. Functional specifications document
    e. The DOTH CIDS Committee and the DOT-CSS look over the functional specifications document and decide whether to approve or reject it, and let the DOTH CIDS Migration Contractor know the results. A meeting may be called to discuss the functional specifications. If the functional specifications are rejected, the DOTH CIDS Migration Contractor must revise them and resubmit them to the DOTH CIDS Committee.

5. The DOT-CSS and the DOTH CIDS Migration Contractor create a hardware and/or software upgrade process plan.
    a. The DOT-Harbors CIDS Server Change Implementation Guide should be consulted when creating a hardware and/or software upgrade process plan.

6. The DOT-CSS and/or the DOTH CIDS Migration Contractor send a copy of the hardware and/or software upgrade plan to the DOTH CIDS Committee (for its information rather than approval).

7. DOT-CSS and the DOTH CIDS Migration Contractor implement a test installation of the new hardware and/or software.

8. Current DOTH CIDS data are copied to or otherwise made available to the test installation of the new hardware and/or software.

9. DOT-CSS and the DOTH CIDS Migration Contractor contact the DOTH CIDS Committee and the Initiator to let them know that the test installation is now ready for user acceptance testing (UAT).

10. The DOTH CIDS Committee and Initiator do UAT by following the CIDS Verification Plan spreadsheet. If there are problems, DOT-CSS and the DOTH CIDS Migration Contractor are notified and steps 7-9 are repeated.

11. While keeping the original system online as a fallback, DOT-CSS and the DOTH CIDS Migration Contractor convert the test installation into the new production system.

12. DOT-CSS and the DOTH CIDS Migration Contractor contact the DOTH CIDS Committee and the Initiator to let them know that the new production system is now ready for UAT.

13. The DOTH CIDS Committee and Initiator do UAT. If there are problems:
    a. DOT-CSS and the DOTH CIDS Migration Contractor are notified.
    b. DOT-CSS and the DOTH CIDS Migration Contractor make the original system the production system again (i.e., fall back to the original).
    c. DOTH CIDS Committee and the Initiator do another round of UAT to ensure that the production system is working again.
    d. DOT-CSS and the DOTH CIDS Migration Contractor troubleshoot what went wrong with the transition from current to new system.

14. When the new production hardware and/or software system is up and stable, and CIDS has passed all UATs, the DOTH CIDS Committee holds a post-mortem/critique meeting.

15. The CIDS server hardware and/or software changes are formally accepted by the following people signing off on them:
    a. Initiator
    b. DOTH CIDS Migration Project Coordinator
    c. DOTH CIDS Migration Project Contract Manager

Extended CIDS (eCIDS) and Port Hawaii Information Management S stem (PHIMS) Application Change Management Procedure

The procedure for initiating and managing an eCIDS/PHIMS change request is as follows:

1. During the weekly DOTH CIDS Committee meeting, the Initiator describes the problem encountered.
2. The DOTH CIDS Committee discusses the issue, and if the problem cannot be resolved internally, the committee assigns the committee head to submit a change request to the DOTH CIDS Migration Contractor
3. The DOTH CIDS Committee head enters the change request into the DOTH CIDS System Level Change Requests spreadsheet ("eCIDS/PHIMS Changes" tab).
4. The DOTH CIDS Committee holds a meeting with the DOTH CIDS Migration Contractor to determine the nature of the requested change and to establish if it relates to policy changes or procedure changes.
5. The DOTH CIDS Migration Contractor creates and submits the following to the DOTH CIDS Committee head:
    a. Preliminary estimate of hours needed to implement the change
    b. Requirements definition document
6. The DOTH CIDS Committee head and the Initiator look over the hours estimate and the requirements definition and decide whether to approve or reject them, and let the DOTH CIDS Migration Contractor know the results.
    a. If the hours and/or requirement definitions are rejected, the DOTH CIDS Migration Contractor must revise them and resubmit them to the DOTH CIDS Committee.
7. The DOTH CIDS Migration Contractor creates and submits the following to the DOTH CIDS Committee:
    a. Functional specifications document
8. The DOTH CIDS Committee head and the Initiator look over the functional specifications document and decide whether to approve or reject it, and let the DOTH CIDS Migration Contractor know the results. A meeting may be called to discuss the functional specifications. If the functional specifications are rejected, the DOTH CIDS Migration Contractor must revise them and resubmit them to the DOTH CIDS Committee.
9. The DOTH CIDS Migration Contractor implements the changes requested, including unit testing and quality assurance testing.
10. The DOTH CIDS Migration Contractor contacts DOTH and arranges a time to come out and install the eCIDS/PHIMS changes.
11. The DOTH CIDS Migration Contractor installs the eCIDS/PHIMS changes on the test web host at DOTH and then does quality assurance testing in the DOTH test environment. If there are problems, the DOTH CIDS Migration Contractor resolves them on-site if possible.
12. The DOTH CIDS Migration Contractor contacts the DOTH CIDS Committee and the Initiator to let them know that the modified eCIDS/PHIMS is now ready for user acceptance testing (UAT).
13. The DOTH CIDS Committee and Initiator do UAT. If there are problems, the DOTH CIDS Migration Contractor is notified and steps 9-12 are repeated.
14. The eCIDS/PHIMS changes are formally accepted by the following people signing off on them:

    a. Initiator
    b. DOTH CIDS Migration Project Coordinator
    c. DOTH CIDS Migration Project Contract Manager
15. The DOTH CIDS Migration Contractor contacts DOTH and arranges a time to come out and install the eCIDS/PHIMS changes onto the production web host.
16. The DOTH CMS Migration Contractor installs the eCIDS/PHIMS changes on the production web host at DOTH and then does quality assurance testing in the DOTH production environment.
    a. If there are problems, the DOTH CIDS Migration Contractor resolves them on-site if possible.
17. The DOTH CIDS Migration Contractor contacts the DOTH CIDS Committee and the Initiator to let them know that the modified eCIDS/PHIMS is now installed on the production web host.

The DOTH CIDS Committee updates the DOTH CIDS System Level Change Requests spreadsheet ("eCIDS/PHIMS Changes" tab) to reflect the outcome of the change request.

Basis of Award: Best Value

The responses to this RFQ will be evaluated to determine best value to the government. The following criteria will be used:

Contractor Qualifications that demonstrates relevant experience and skills to meet the requirements of the scope of work and contractor's understanding of current environment and special circumstances of the current environment in place including the lack of original contractor source code and inter-working of the CIDS, eCIDS and PHIMS systems. Contractor has demonstrated knowledge to support the current environment or past projects with similar technical environment and system functionality.

Staff Qualification that meet the minimum requirements and highlight the relevant experience that meets the requirements outlined in the RFQ.

Project Approach that best demonstrates the contractor's ability to migrate the CIDS function into the PHIMS system while supporting and keeping the existing system stable and operational. The project approach should include a relevant high-level project plan with appropriate descriptions of functionality to be deployed against a project time-line.

Price that is directly linked to a List of Deliverable Products, including analysis, recommendations, architecture/design, a high-quality and workable system, and useful documentation.

The Project contract shall be awarded to the Offeror who (a) SOH DOTH deems qualified, responsive, and responsible and (b) submits the proposal meeting the requirements of the RFQ deemed by SOH DOTH to be most advantageous (determined by the proposal receiving the highest point total after final evaluation).

Evaluation Categories and Thresholds - (Total Points 25)

EVALUATION CATEGORIES	**POSSIBLE POINTS**
Local operating office based in Honolulu, HI	Pass/No Pass
Contractor Qualifications	Pass/No Pass
Proposal Complete and acceptance of terms	Pass/No Pass
Personnel Qualifications	5
Relevant Experience	6
Project Approach	5
Scope of Work Response	5
Cost	4
TOTAL POSSIBLE POINTS	25

Invoicing Procedures
Invoices should be submitted monthly with details describing the products delivered and accepted by SOH DOTH, and tied to previously accepted firm fixed pricing. No other fees or expenses will be eligible for invoice or payment. No travel expense is budgeted for this project.

Contacts
RFQ and Project Contact
Lena Wang
IT Coordinator
dot.har.si@hawaii.gov

Special Terms and Conditions
State of Hawaii General Conditions. General Conditions issued by the Department of the Attorney General of the State of Hawaii, referred to as Form AG-008, as revised, and are included in this RFQ by reference. The applicable revised Form AG-008, which is included by reference, is the form dated and in effect at the date the solicitation is issued.

The State of Hawaii General Terms and Conditions shall take precedent over this SOW should there be any discrepancies between them, with no exceptions.
https://dhrd.hawaii.gov/wp-content/uploads/2017/08/103D-General-Conditions.pdf

Compliance Pursuant to Hawaii Revised Statutes (HRS) §103D-310(c). Use of GSA Schedule 70 is for the solicitation process only. Pursuant to HRS section 103D-310(c) and HAR section 3-122-112, the successful contractor is required to provide proof of compliance and may use the Hawaii Compliance Express for all contracts awarded
(see https://contractors.ehawaii.gov/hce/splash/welcome.html for more information).

Please note: obtaining proof of compliance can take multiple weeks; State of Hawaii, DOTH cannot make an award to a non-compliant contractor.

ATTACHMENT I: CONTRACTOR AND PERSONNEL QUALIFICATION SHEET

Contractor Qualifications: Complete the table below for Contractor's Qualification summary which are true at time of bid submission.

Qualification	Yes or No	Dates or Number of Years and Relevant Experiences
Must have at least one (1) staff member with eight (8) years of Oracle Database Administration experience based on IBM Technology of which the last five (5) years shall include installation or upgrade of an Oracle Database System using IBM AIX Technology for a deployed application		
Must have at least three (3) staff members with at least five (5) years of open standards web-application development experience. Open standards such as; Java, Javascript, Eclipse, GIT and familiar with other DOTH technologies like GWT, Jasper, JBoss and PHP/Perl		
Must have at least one (1) staff member with experience with transportation and preferably with information systems that support harbor organizations, like; harbor master, property management and harbor financial management software."		
Support Qualifications	**Yes or No**	**NA**
Must have a local operating office based in Honolulu, HI where key personnel are designated as their home office		
In the event of a system failure for CIDS, eCIDS or PHIMS selected contractor must respond within three (3) hours of being notified		
Must also be able to perform critical application related maintenance or support after hours and on weekend and on holidays based on arrangements with DOTH		
Must also have an on-line help and support web application to track issues and organize actions required for resolution		
Must comply with all security requirements while working on-site. This may include obtaining security clearance for all personnel sent to the DOTH worksite		

Personnel Skill: Complete the Personnel Qualification Form for each employee resource assigned to the contract as required as a summary of required skills for each employee resume submitted with this bid.

Qualification	No. of Years	Summary of Individual's experience that meet required qualifications
Must possess at least five (5) years of experience supporting Microsoft Windows Professional workstation software, of which the last three (3) years included experience in maintaining Windows 7 operating system software		
Must possess at least eight (8) years of experience of Oracle database administration which include at least five (5) years of experience supporting and maintaining IBM AIX operating system software		
Must possess at least five (5) years of experience supporting IBM Tivoli storage manager software network backup and recovery		
Must possess at least five (5) years of experience supporting and maintaining Borland Delphi applications connected to Oracle databases on a local area network		
Must possess at least five (5) years of experience maintaining and supporting browser-based web applications using PHP/PERL software connected to Apache HTTP server and Oracle database server on a local area network		
Must possess at least five (5) years of experience maintaining and supporting browser-based web applications with JBoss and Apache Tomcat Application Server, Eclipse IDE, eclipse and JBoss tools plugins, Hibernate, EJB3, Commons Logging, iReports, Jasper Reports, Jasper Intelligence software, Java, Javascript libraries, Spring Framework, Jenkins and development collaboration tools like GIT, Bitbucket and Slack		
Must possess at least five (5) years of business system analyst experience to resolve business problems and requirements with a general systems solution that may or may not require application systems development		

ATTACHMENT II: Pricing, Labor Categories, hours and Hourly Rates

Hourly rates and calculated totals are being used for evaluation purposes. In the case of an error the hourly rate will prevail. Hourly rates for this SOW should be valid for the duration of the projected contract period of three (3) years with up to two (2) one-year extensions.

Scope of Work	Labor Categories	Hours	Hourly Rates*	Total
Entire SOW otherwise note here				
Totals			$	$
			*must include all taxes fees and expenses. No other payments or expenses will be reimbursed under this contract. No travel costs will be chargeable.	

Please note any exceptions to the SOW, General Terms and Conditions, Qualifications or RFQ here included if they were noted elsewhere in your response. (add additional lines as required)

1).

2).

ATTACHMENT III: Authorized Offer

Director of Transportation
Aliiaimoku Hale
869 Punchbowl Street
Honolulu, Hawaii 96813

Dear Sir:

The undersigned bidder declares the following:

1. It has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal.

2. It has not been assisted or represented on this matter by any individual who has, in a State capacity, been involved in the subject matter of this contract within the past two years.

3. It has not and will not, either directly or indirectly offered or given a gratuity (i.e. an entertainment or gift) to any State or County employee to obtain a contract or favorable treatment under a contract.

The undersigned bidder further agrees to the following:

1. If this proposal is accepted, it shall execute a contract with the Department to provide all necessary labor, machinery, tools, equipment, apparatus and any other means of construction, to do all the work and to furnish all the materials specified in the contract in the manner and within the time therein prescribed in the contract, and that it shall accept in full payment therefore the sum of the unit and/or lump sum prices as set forth in the attached proposal schedule for the actual quantities of work performed and materials furnished and furnish satisfactory security in accordance with Section 103D-324, Hawaii Revised Statutes, within 10 days after the award of the contract or within such time as the Director of Transportation may allow after the undersigned has received the contract documents for execution, and is fully aware that non-compliance with the aforementioned terms will result in the forfeiture of the full amount of the bid guarantee required under Section 103D-323, Hawaii Revised Statutes.

2. That the quantities given in the attached proposal schedule are approximate only and are intended principally to serve as a guide in determining and comparing the bids.

3. That the Department does not either expressly or by implication, agree that the actual amount of work will correspond therewith, but reserves the right to increase or decrease the amount of any class or portion of the work, or to omit portions of the work, as may be deemed necessary or advisable by the Director of Transportation, and that all increased or decreased quantities of work shall be performed at the unit prices set forth in the attached proposal schedule except as provided for in the specifications.

4. In case of a discrepancy between unit prices and the totals in said Proposal Schedule, the unit prices shall prevail.

5. Agrees to begin work within 10 working days after the date of notification to commence with the work, which date is in the notice to proceed, and shall finish the entire project within the time prescribed.

6. The Director of Transportation reserves the right to reject any or all bids and to waive any defects when in the Director's opinion such rejections or waiver will be for the best interest of the public.

Receipt is hereby acknowledged and complete-examination is hereby expressly guaranteed of the following listed items: the specifications, the notice to bidders, the special provisions, if any, the proposal, the plans, if any, and the contract form.

The undersigned acknowledges receipt of any addendum, issued by recording in the space below the date of receipt.

Addendum No. 1 _____ Addendum No. 3 _____

Addendum No. 2 _____ Addendum No. 4 _____

The undersigned hereby certifies that the bid prices contained in the attached proposal schedule have been carefully checked and are submitted as correct, final and are net prices.

_____
Bidder

By_____
Authorized Signature

_____
Title

_____
Business Address

_____
Business Telephone

_____
Date

_____
Contact Person and Phone Number
(If different from above.)

NOTE:

If bidder is a CORPORATION, the legal name of the corporation shall be set forth above, the corporate seal affixed, together with the signature(s) of the officer(s) authorized to sign contracts on behalf of the corporation. Please attach to this page current (not more than six months old) evidence of the authority of the officer(s) to sign on behalf of the corporation.

If bidder is a PARTNERSHIP, the true name of the partnership shall be set forth above with the signature(s) of the general partner(s) authorized to sign contracts on behalf of the partnership. Please attach to this page current (not more than six months old) evidence of the authority of the partner(s) to sign on behalf of the partnership.

If bidder is an INDIVIDUAL, the bidder's signature shall be placed in the space provided therefore on the previous page.

If signature is by an agent, other than an officer of a corporation or a partner of a partnership, a POWER OF ATTORNEY must be on file with the Department prior to the opening of bids or submitted with the bid; otherwise, the bid may be rejected as irregular and unauthorized.

Include any attachments including corporate resolution or other evidence.