

**CITY AND COUNTY OF HONOLULU**

**HONOLULU HIGH-CAPACITY TRANSIT  
CORRIDOR PROJECT**

**KAMEHAMEHA HIGHWAY STATION  
GROUP DESIGN CONSULTANT**

**PROFESSIONAL SERVICES CONTRACT**

**REQUEST FOR QUALIFICATIONS  
NO. RQS-DTS-407417**

**QUESTIONS RELATING TO THIS SOLICITATION, CONTACT:  
RAPID TRANSIT DIVISION  
1099 ALAKEA STREET, SUITE 1700  
HONOLULU, HAWAII 96813  
[TRANSITMAILBOX@HONOLULU.GOV](mailto:TRANSITMAILBOX@HONOLULU.GOV)**

**NOTICE OF REQUEST FOR QUALIFICATIONS  
FOR  
KAMEHAMEHA HIGHWAY STATION GROUP DESIGN CONSULTANT  
HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT  
PROFESSIONAL SERVICES  
REQUEST FOR QUALIFICATIONS NO. RQS-DTS-407417  
CITY AND COUNTY OF HONOLULU**

LETTERS OF INTEREST AND STATEMENTS OF QUALIFICATIONS responding to this Request for Qualifications (RFQ) will be accepted up to 2:00 p.m. Hawai'i Standard Time (HST) on August 4, 2011, to Mr. Toru Hamayasu, Chief, Rapid Transit Division, Department of Transportation Services, 1099 Alakea Street, Suite 1700, Honolulu, Hawai'i 96813.

Because portions of the work in the Kamehameha Highway Station Group Design Consultant Contract may be funded with Federal assistance, the selected Offeror is expected to comply with applicable Federal Transit Administration (FTA) terms and conditions.



---

For WENDY K. IMAMURA  
Purchasing Administrator  
For Director of Budget and Fiscal Services  
City and County of Honolulu

## **NOTICE TO CONSULTANTS REQUEST FOR PROFESSIONAL SERVICES**

The City and County of Honolulu (City) is seeking professional services in the fields of architecture and engineering for a Station Design Consultant (SDC) for the Honolulu High-Capacity Transit Corridor Project (HHCTCP). Under the Kamehameha Highway Station Group Design Consultant Contract (Contract), the SDC will provide services related to the design of three (3) stations comprising the Kamehameha Highway Station Group: Pearl Highlands Station, Pearlridge Station, and Aloha Stadium Station.

The successful firm must be licensed to do business in the State of Hawai'i at the time of Contract award. The Contract will be supervised and overseen by the City and County of Honolulu Department of Transportation Services' Rapid Transit Division (RTD). The City intends to seek New Starts funding assistance from the United States Department of Transportation, Federal Transit Administration (FTA) and must comply with the statutory, regulatory, and administrative requirements for New Starts projects, including FTA third-party contracting requirements.

### **HHCTCP BACKGROUND**

#### Purpose

The purpose of the HHCTCP is to provide high-capacity rapid transit in the congested east-west transportation corridor between Kapolei and the University of Hawai'i at Mānoa (UH Mānoa). This corridor includes the majority of housing and employment on O'ahu. The north-south width of the corridor is a maximum of four (4) miles, as much of the corridor is constrained by the Ko'olau and Wai'anae Mountain Ranges to the north and the Pacific Ocean to the south.

#### The HHCTCP: East Kapolei to Ala Moana Center via the Airport

The HHCTCP is identified in the Final Environmental Impact Statement (FEIS) as the Airport Alignment. It will include the design, construction and operation of a twenty (20) mile grade-separated fixed guideway transit system between East Kapolei and Ala Moana Center. All parts of the guideway will be elevated, except near Leeward Community College, where it will be at-grade in an exclusive right-of-way. The system will incorporate steel wheel on steel rail technology. The HHCTCP includes twenty-one (21) stations, the Maintenance and Storage Facility (MSF), and seventy-six (76) light metro vehicles and associated core systems.

#### Planned Extensions

In addition to the HHCTCP, the Locally Preferred Alternative (LPA) includes four (4) planned extensions connecting the HHCTCP to West Kapolei, UH Mānoa, Waikīkī, and Salt Lake. The extensions would receive separate detailed environmental review. If funding is identified in the future, engineering design and environmental analysis of the extensions and the appropriate alternatives analysis will be undertaken. The HHCTCP, as evaluated in the FEIS, has logical termini and independent utility from any extensions that may be constructed in the future.

The FEIS and additional information on the HHCTCP can be found at: <http://honolulutransit.org>.

### Status of FTA Programmatic Requirements

- October 2006: Completion of an Alternatives Analysis.
- December 2006: The Fixed Guideway Alternative was selected as the LPA by the Honolulu City Council.
- March 2007: FTA publishes a Notice of Intent to prepare an Environmental Impact Statement in the Federal Register.
- November 2008: The Draft Environmental Impact Statement (DEIS) was released for public comment.
- February 2009: The public comment period ended.
- October 2009: FTA authorizes the HHCTCP to enter New Starts Preliminary Engineering phase.
- September 2010: The FEIS was submitted to the State of Hawai'i Governor's Office for review.
- December 2010: The FEIS was signed by Governor Abercrombie.
- January 2011: The Record of Decision (ROD) was issued by the FTA.

### **PROJECT DELIVERY AND CURRENT PROCUREMENT EFFORTS**

#### Guideway and Stations

The HHCTCP's guideway and stations are planned to be constructed starting from the western terminus of East Kapolei in sections:

- Section I - West O'ahu/Farrington Highway: East Kapolei Station to Pearl Highlands Station;
- Section II – Kamehameha Highway: Pearl Highlands Station to Aloha Stadium Station;
- Section III – Airport: Aloha Stadium Station to Lagoon Drive Station; and
- Section IV – City Center: Lagoon Drive Station to Ala Moana Center Station.

The City has entered into a design-build (DB) contract for the West O'ahu/Farrington Highway guideway. The City has selected the Kamehameha Highway Guideway DB contractor.

All station groups will be implemented through the procurement of individual design firms, under professional services contracts, who will prepare design documents for individual construction packages to be procured using the design-bid-build method. The City has entered into a professional services contract for the design of the three (3) stations comprising the Farrington Highway Station Group. The City is in the process of procuring a station design consultant for the West Oahu Station Group.

#### Core Systems

The Core Systems will be constructed under a design-build-operate-maintain (DBOM) contract. The major subsystems and other end-products to be acquired under the contract over the eight (8) year period include the revenue vehicles, train control, traction power facilities, fare collection, and manufactured products required for operation and maintenance of the system. The City has selected the Core Systems DBOM contractor.

#### Maintenance and Storage Facility (MSF)

The MSF will be constructed under a DB contract. The MSF DB contractor will be responsible for: completing design; site work; construction of various maintenance buildings; and purchasing, storing, and distribution of rail, special trackwork, switch machines, contact rail and appurtenances for the entire HHCTCP. The City has selected the MSF DB contractor.

### **SCOPE OF WORK**

An indicative listing of tasks relating to the Contract Scope of Work (Work) accompanies this notice. All levels of effort, work, scope, and responsibilities under the Contract are subject to the review and approval of the City, and may be adjusted at any time.

### **TERM OF CONTRACT**

The term of the Contract is expected to extend from October 2011 to February 2013. The Contract may be subject to multiple notices-to-proceed which will authorize portions of the Work under the Contract to commence.

### **SUBMITTAL MATERIALS REQUIREMENTS**

1. Letter of interest. The letter of interest must include contact information (name, title, name of firm, mailing address, phone number and e-mail address) for the authorized representative(s) of the firm(s) signing the letter of interest. Please ensure that contact information is up-to-date because should RTD need to contact you regarding your submittal materials, it will be through the contact person named in the letter of interest. In the case of a team approach, the letter of interest must indicate whether the team members intend to form a partnership, joint venture, prime-major subconsultant or other legal or organizational structure. If the organizational structure is prime-major subconsultant, the prime firm, which could be a corporation, joint venture, partnership, etc., and the major subconsultant firm(s), must be clearly identified. Signing of the letter of interest attests that the information provided therein is current and factual.
2. Information on the Offeror. (In the case of a proposed partnership or joint venture, submit information for the respective partnership or joint venture entity itself *and* for each member firm making up the partnership or joint venture. In the case of a prime-major subconsultant, submit information for the prime and the major subconsultant(s).)
  - A. Name of the firm, the year the firm was established under the current name, the principal place of business, and location of all its offices.
  - B. Former firm names. Indicate any other previous names for the firm during the last five (5) years and the year the name change was effective.
  - C. Type of ownership or legal structure of the firm (sole proprietor, partnership, corporation, joint venture, etc.).
  - D. The annual revenues and average number of employees over the past five (5) years.
  - E. The names and phone numbers of a maximum of five (5) clients who may be contacted, including at least two (2) for whom services were rendered during the

past twelve (12) months, preferably for services similar to those required for the Contract.

- F. A statement as to whether the firm, its principals or key employees presently, or in the past, are, or have been, involved in any debarment or suspension proceedings.
- G. A statement identifying any contract involving the firm that was terminated for default within the past three (3) years.
- H. Provide a list of example projects which best illustrate the firm's relevant qualifications for this Contract. The list must not exceed ten (10) recent projects that include major SDC projects undertaken and completed within the past five (5) years. Provide the following information for each project listed:
  - 1) Title and location of the project;
  - 2) Project owner and owner's project number;
  - 3) Primary role of the firm;
  - 4) Brief description of the work;
  - 5) Period of performance (start and end dates);
  - 6) Final contract value;
  - 7) Percent of work completed by the firm under the contract;
  - 8) Identify any project claims and litigation involving your firm (if none, so state); and
  - 9) Did the project involve federal funds (yes or no).
- I. Any promotional or descriptive literature which the firm desires to submit.

3. Key individuals.

- A. Identify the persons who will be assigned to the key positions listed below. Do not use nicknames.
  - 1) Project Manager
  - 2) Design Manager
  - 3) Quality Assurance Manager
  - 4) Chief Architect
  - 5) Chief Facilities Design Manager
  - 6) Chief Structural Engineer
  - 7) Chief Landscape Architect
  - 8) Geotechnical/Foundation Design Lead
  - 9) Mechanical Design Manager
  - 10) Electrical Design Manager
  - 11) Interface Manager (person who interfaces with other contractors)
  - 12) Construction Services Coordinator
  - 13) Public Involvement Liaison
- B. Resumes for the persons identified above and for any other individuals deemed to have a major role in providing the services. The resumes must include:
  - 1) Total years of experience and number of years with the current firm;
  - 2) Education [highest relevant academic degree(s) and specialization for each degree];

- 3) Current professional registration (registration number, state, and discipline). The name on the professional registration must match the name in Section 3.A, above;
  - 4) Work experience on up to five (5) relevant projects. Include a brief description of the project (scope, size, cost, etc), the person's specific role on the project, the year the person's work on the project was completed, and the person's employer for the project; and
  - 5) Names, titles, and contact information for a maximum of three (3) references.
- C. Other related information:
- 1) Identification and roles of each subconsultant firm proposed to work on the contract (this section must not exceed two (2) pages);
  - 2) An organization chart of the proposed SDC team which includes the key individuals identified in Section 3.A, above;
    - a. Provide a narrative describing where key individuals will be located geographically for the duration of the work contemplated – state as a percentage of total estimated billable hours, and;
    - b. Describe how the organizational chart operates in terms of geographical location(s) and describe the interfaces between the prime and its subconsultant(s).
  - 3) Any other pertinent information that should be considered in the evaluation of the firm's qualifications (this section must not exceed five (5) pages).

Should any of the list or page limitations referenced above be exceeded, any submittal materials beyond the limitation will not be considered.

In accordance with Hawai'i Administrative Rules (HAR) §3-122-63(b), the statements of qualifications and related information submitted by the Offerors (submittal materials), except those portions for which a written request for confidentiality has been made per HAR §3-122-58, will be made open to public inspection upon posting of the award of this Contract. Offerors shall designate in writing those portions of their submittal materials that contain trade secrets, proprietary, or confidential commercial and financial information that are to remain confidential, subject to HAR §3-122-58. The specific proprietary information, trade secrets, or confidential commercial and financial information must be clearly identified as such. Materials designated as confidential must be separate from the submittal materials in a binder/folder clearly marked "CONFIDENTIAL", to facilitate inspection of the non-confidential portion of the submittal materials. Designation of the entire submittal materials as confidential will not be acceptable.

## SELECTION

The City will evaluate submittal materials according to the criteria identified below. The criteria are listed in descending order of importance. Contract negotiations will be conducted pursuant to Hawai'i Revised Statutes §103D-304(h).

### Evaluation Criteria

1. Experience and professional qualifications relevant to the Contract;

2. Past performance on projects of similar scope for public agencies or private industry, including corrective actions and other responses to notices of deficiencies;
3. Capacity to accomplish the work in the required time; and
4. Any additional criteria determined in writing by the selection committee to be relevant to the City's needs or necessary and appropriate to ensure full, open, and fair competition.

#### **DEADLINE**

An **original and seven (7) copies** of the submittal materials packet shall be submitted not later than August 4, 2011, 2:00 p.m. Hawai'i Standard Time, to:

Mr. Toru Hamayasu, Chief  
Rapid Transit Division  
RQS-DTS-407417  
Department of Transportation Services  
1099 Alakea Street, Suite 1700  
Honolulu, Hawai'i 96813

Submittals by facsimiles are not acceptable. The Contract will only be awarded to an Offeror that demonstrates the ability to provide all of the services required for the Contract. Submittal materials received for only parts of the required services will be considered non-responsive to this notice.

Any inquiry regarding the services required should be directed in writing to Mr. Hamayasu, Rapid Transit Division, Department of Transportation Services, at the address above, or to the Transit Mailbox at e-mail address [transitmailbox@honolulu.gov](mailto:transitmailbox@honolulu.gov).

## **ATTACHMENT TO**

### **NOTICE TO CONSULTANTS REQUEST FOR PROFESSIONAL SERVICES HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT (HHCTCP) KAMEHAMEHA HIGHWAY STATION GROUP DESIGN CONSULTANT INDICATIVE LISTING OF TASKS RELATED TO THE SCOPE OF WORK**

#### **Project Description**

The eastern terminus of the 6.8-mile West Oahu/Farrington Highway guideway and the 3.9-mile Kamehameha Highway guideway section of the HHCTCP alignment include three stations: Pearl Highlands Station, Pearlridge Station, and the Aloha Stadium Station. The scope of work for the Kamehameha Highway Station Group Design Contract (Contract) will be limited to the design of these three stations. The design of the guideway structure at these stations is not included in this Contract.

#### **Description of the Kamehameha Highway Station Group**

Pearl Highlands Station: The elevated station guideway structure and two (2) 240-foot long side platforms are located on the triangular property bounded by Kamehameha Highway, Farrington Highway, and the H-1/H-2 interchange in the vicinity of Kuala Street at the western limits of Pearl City. The station is part of a complex of facilities that include a bus transit center and parking garage that is to be constructed in two phases. The first phase constructs the station entrance structure, concourse, platforms, a bus stop and kiss-and-ride on the north side of the station adjacent to the eastbound lanes of Kamehameha Highway, and a pedestrian bridge that crosses Kamehameha Highway and connects to the east side of Kuala Street. The design of these items is included in this scope of work. The design of the bus transit center, parking garage, access from H-2 and Farrington Highway is not included.

The station is located in the Waiawa Stream flood plain and is elevated above the design flood elevation by columns and the guideway structure. The station entrance is located directly below the platforms at “ground” level and includes the Train Control and Communications room and other required ancillary and equipment rooms. The station entrance connects to the concourse and platform levels via stairs, escalators, and elevators. The pedestrian bridge spanning Kamehameha Highway connects to the concourse level of the station. The site design requires finish grading and scour analysis and mitigation for the station columns but does not include landscaping.

Pearlridge Station: The elevated station guideway structure and two (2) 240-foot long side platforms are located in the median of Kamehameha Highway just west of the intersection at Kaonohi Street. At-grade station entrance structures are located on either side of Kamehameha Highway and include the Train Control and Communications room and other required ancillary and equipment rooms. The station entrance structures are connected to the platforms by an elevated pedestrian walkway which straddles Kamehameha Highway at the station concourse and platform levels. The site design includes landscaping.

Aloha Stadium Station: The elevated station guideway structure and two (2) 240-foot long side platforms are located within the existing Kamehameha Parking Lot at Aloha Stadium. The elevated side platforms are accessed directly from the at-grade entrance structures. Two (2)

entrances will be provided to serve Aloha Stadium and the park-and-ride lot/bus transit center. The Train Control and Communications room and other required ancillary and equipment rooms are included within the entrance structure. The site design includes a proposed park-and-ride facility, bus transit center; and landscaping of the station site.

### **Illustrative Scope of Work**

Station Design Work: Station Design work includes the design and preparation of final construction plans, detailed specifications and other contract documents for the Kamehameha Highway Station Group. The design work will be based upon, but not limited to, the existing Preliminary Engineering design documents, the Signage & Wayfinding Systems Manual, and the City's Standard and Directive Drawings, Compendium of Design Criteria, the Design Language Pattern Book, and the Value Engineering study recommendations. All drawings will be done in accordance with the City's Plan Standards and CADD Procedures.

The Station Design work for this Contract includes, but is not limited to:

- Station public spaces and ancillary structures;
- Station finishes;
- Vertical circulation elements;
- Concourse and concourse supports, except within the limits of the guideway contract;
- Platform and platform canopy;
- Electrical and mechanical design;
- Site work, including demolition;
- Site landscaping and furnishings;
- Guideway permanent landscaping and furnishings;
- Coordination with the Transit Arts Program;
- Signage and graphics;
- Parking facilities and/or transit centers;
- Lighting, Heating, Ventilation & Air Conditioning (HVAC), electrical and other ancillary space equipment;
- Accommodation of safety and security systems and alarms;
- Interface with other Contracts;
- Permitting;
- Participation in community outreach and public presentations; and
- Sustainable design practices.

Sustainability: Utilize the HHCTCP Systemwide Sustainability Report and the principles of the U.S. Green Building Council's (USGBC) LEED Greening Building Rating System guidelines throughout the station design process. Note that the station structures will not be seeking LEED certification.

Design Support During Construction: Provide limited design support during construction including, but not limited to: shop drawing review and approval; material samples / mock-up review and approval; periodic inspections; development of punch lists and resolution of punch lists; final acceptance of finishes and preparation of as-built drawings based on mark-ups from the construction contractor(s); and participate in various meetings.

## **Professional Licenses**

All work under the Contract is to be done under the supervision of architects, landscape architects and professional engineers licensed by the State of Hawaii Department of Commerce and Consumer Affairs.

## **Indicative Listing of Tasks**

### Project and Team Management

1. Interface with the City and its General Engineering Consultant.
2. Coordinate and manage subconsultants (including civil, electrical, structural, etc.).

### Architectural Design

1. Develop and prepare schematic designs and presentation materials for public presentations.
2. Design and prepare construction documents for station public and ancillary spaces, architectural finishes, vertical circulation elements, and station site design, including parking facilities, transit center facilities, and artwork.

### Civil Design

1. Perform topographic survey and prepare construction document base map.
2. Develop and execute a geotechnical investigative exploration plan.
3. Design and prepare street restoration construction documents.
4. Prepare hydrology and drainage reports including scour analysis and mitigation design.
5. Design and prepare grading, drainage and paving construction documents for station site and station parking areas.
6. Design and prepare construction documents for demolition.
7. Prepare temporary traffic control plans.
8. Prepare right-of-way plans.
9. Prepare traffic signaling, roadway signing and striping construction documents for station areas that are not part of the West Oahu/Farrington Highway Guideway Design-Build (WOFH D-B) and the Kamehameha Highway Guideway Design-Build (KHG D-B) Contracts.
10. Evaluate requirements to protect adjacent buildings or existing structures that may be affected by station construction.

### Utility Design

1. Prepare composite utilities rearrangement plans, utility relocation and restoration construction plans and details.
2. Perform additional pothole investigation as needed.
3. Prepare street lighting plans for station areas that are not part of the KHG D-B contract.

### Structural Design

Honolulu High-Capacity Transit Corridor Project  
RQS-DTS-407417  
Kamehameha Highway Station Group

Request for Qualifications  
Attachment  
Page 3

1. Perform final structural analysis and design, including the preparation of contract documents showing structural details for all station structures (exclusive of the guideway) and architectural finishes, and artwork if provided as part of the contract.
2. Coordinate with the WOFH D-B and KHG D-B Contractors.
3. Evaluate requirements to protect adjacent buildings or existing structures that may be affected by station construction.

#### Landscape Architecture

1. Design and prepare final landscaping and irrigation construction documents for stations, bus transit centers, and park-and-ride facilities.
2. Incorporate the final landscaping and irrigation design for medians and curb strips along the transit corridor connecting the stations. The General Engineering Consultant's landscape architect will prepare the design and construction documents of the guideway landscape areas.

Mechanical Design: Perform mechanical calculations and final design of mechanical systems and prepare Construction Documents for HVAC, plumbing and fire suppression systems.

Electrical Design: Design and prepare construction documents for lighting, power distribution, communication, security, fire alarm and grounding in the station area.

Specifications: Prepare detailed specifications for the construction bid documents using the City's Standard Specifications wherever possible.

Estimates: Prepare quantity estimates for input to the City's programmatic cost estimate. Assist the City in preparing the final design cost estimate by recommending unit prices.

#### Construction Staging Plan

1. Develop Construction Staging Plan to maximize the area available for construction, minimize traffic disruption for both vehicular and pedestrian, and maximize accessibility to adjacent properties and businesses.
2. Develop maintenance of traffic plans for construction.
3. Identify permits required and responsibility.

#### Public Involvement

1. Support the City in community meetings and workshops.
2. Provide illustrative materials such as plans, sketches, and/or models.

Design Support During Bidding: As requested, assist the City in resolving design issues during the construction solicitation process.

Design Support During Construction: As requested, assist the City in resolving design issues during construction.

## **Interface with Other Contractors**

Core Systems Contract: The Core Systems D-B Contractor will be responsible for communications and control; traction electrification; train control and signaling; passenger vehicles; and fare vending. The Kamehameha Highway Station Group Design Consultant will design and prepare construction documents for embedded conduits and other embedded components, blockouts, structural supports and mountings, and other enclosures and finishes as needed for systems equipment.

WOFH D-B Contract: Interface is required between the WOFH D-B Contractor and the Kamehameha Highway Station Group Design Consultant in the station areas. The design of the guideway superstructure, columns and foundations, and temporary landscaping within the guideway right-of-way is not included in the Contract.

KHG D-B Contract: Interface is required between the KHG D-B Contractor and the Kamehameha Highway Station Group Design Consultant in the station areas. The design of the guideway superstructure, columns and foundations, roadway and temporary landscaping within the guideway right-of-way is not included in the Contract.

Elevators and Escalators: The Kamehameha Highway Station Group Design Consultant will interface with the contractor who will be procuring and installing escalators and/or elevators at the stations in the Kamehameha Highway Station Group. The Kamehameha Highway Station Group Design Consultant will incorporate Architectural Standard Plans for elevator cab and escalator cladding materials.

Transit Arts Program: The City's Transit Arts Program is intended to integrate art into transit station designs during the design process rather than add artwork after the process is complete. The Kamehameha Highway Station Group Design Consultant will be required to work with the City's selected artist(s), to integrate artwork into the design of the stations and station site. The Kamehameha Highway Station Group Design Consultant will coordinate with the City's Rapid Transit Division, the Mayor's Office of Culture and the Arts, community and art groups, and all activities related to the program, identifying art opportunities, selecting and commissioning the station artist(s) and artwork, and review construction documents related to artwork.