
EXHIBIT A - Trade Subcontractor Bid Package Manual and Forms – Contract #301000601

Trade Package # TG06.1: Geothermal
Loop Package; dated **April 3, 2012**



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I. BID AND QUALIFICATION PROCESS

Qualification and Bidding Process: Webcor/Obayashi Joint Venture anticipates the bidding process will proceed as follows:

1. Trade Subcontractors will submit all required Qualification Documentation prior to bidding. Bids will be opened **only** from Trade Subcontractors who are Qualified, or who are able to be Qualified at time of bid per Section IX.
2. Webcor/Obayashi Joint Venture will inform Trade Subcontractors where to purchase plans. Webcor/Obayashi Joint Venture will distribute plans and specifications to Plan Rooms in the Bay Area to encourage second tier contractors to bid their work to the qualified Trade Subcontractors.
3. Qualified Trade Subcontractors will submit their bids. Bids will be opened publicly.
4. The construction contract, if awarded, will be awarded to the responsible and Qualified Trade Subcontractor submitting the lowest responsive bid for the work.
5. A Trade Subcontractor wishing to be qualified should be aware that if they are the successful low bidder, they must comply with all bid conditions including, but not limited to:
 - a. Furnishing satisfactory corporate surety payment and performance bonds within 10 days notice of intent to award.
 - b. Furnishing of required insurance certificates within 10 days of notice of intent to award and maintaining required insurance
 - c. Complying with the TJPA's Small Business Enterprise (SBE) program including the required SBE participation percentage as indicated in section IV below.
 - d. Complying with the TJPA's Disadvantaged Business Enterprise (DBE) program.
 - e. Possession of a Business Tax Registration Certificate. Before any contract can be certified as to the availability of funds and before a Notice to Proceed can be issued, the Trade Subcontractor must provide Webcor/Obayashi Joint Venture with a copy of a current Business Tax registration Certificate pursuant to San Francisco Ordinance 345-88. Trade Subcontractors can register for a current certificate with the Business Tax Division of the Tax Collector of the City of San Francisco.
 - d. Confirming the names of key personnel who will be assigned to the project.
 - e. Providing an audited financial statement verifying the ratios provided in the qualification form and confirming their financial worthiness to perform the work.
 - f. Applicable Federal Regulations.

Package Issuance Timeline: Starting **04/03/2012**, bid packages will be available. Interested Trade Subcontractors should email or call Webcor/Obayashi Joint Venture at TransbayBidding_06@webcor-obayashi.com or (415) 978-5702 to receive a package.

Qualification Requirement: All bidders who wish to submit a bid for the Geothermal Loop Package shall be qualified. It is mandatory that each Trade Subcontractor who wishes to qualify fully complete the qualification questionnaire and provide all materials requested herein. Responses which are not fully complete or do not include materials requested shall be deemed non-responsive and shall be rejected as such. No bid will be accepted from a Trade Subcontractor who has failed to comply with these requirements.

Trade Subcontractors must use the “Request for Qualifications TG06.1” form available on the TJPA website (<http://transbaycenter.org/tjpa/doing-business-with-the-tjpa/current-contract-opportunities>), posted **04/03/2012**. Trade Subcontractors looking to qualify shall also familiarize themselves with the Qualification Questions & Answers posted to the same website.

Each Trade Subcontractor shall submit one (1) original and three (3) copies of the requested Qualification documentation to the Transbay Joint Powers Authority, 201 Mission Street, Suite 2100, San Francisco, CA, 94105. Qualification documents must be submitted in writing no later than **2:00 pm on 04/27/2012** by e-mail to Webcor/Obayashi Joint Venture at TransbayBidding_06@webcor-obayashi.com, or by fax to (510) 476-3005. Webcor/Obayashi Joint Venture reserves the right to extend the date for qualification packages and/or request, receive, and evaluate supplemental information after the above time and date at its sole determination. Webcor/Obayashi Joint Venture reserves the right to waive minor irregularities and omissions in the information contained in the qualification application submitted, to make all final determinations.

Incomplete or Late Qualification Requirement Submissions: Webcor/Obayashi Joint Venture may refuse to grant qualification where the requested information and materials are not provided, or not provided by the last date to submit the questionnaire noted above. There is no appeal from a refusal for an incomplete or late application. The closing time to accept Qualification Documentation will not be changed in order to accommodate supplementation of incomplete submissions, or late submissions.

Determination of Qualification: The Trade Subcontractor’s Qualification Statement must be completed and submitted along with supplemental information required. Failure to do so will render the submittal incomplete. Trade Subcontractor may be deemed not qualified for falsification of information.

The review, evaluation, and score for each Trade Subcontractor’s application will be performed by a panel consisting of representatives of TJPA, PMPC and Webcor/Obayashi Joint Venture. The scoring will be based on the following objective evaluation criteria as required in Section IX:

Section I: Essential Requirements for Qualification:

To qualify, a Trade Subcontractor **will be required** to have a passing grade within this area. Trade Subcontractors are **disqualified** if the answer to any of questions in Part A are “no” or if the answer to questions in Part “B” are “yes”.

Section II: Scoring Section:

Included in this section are questions, which will be scored. There are a maximum of 350 points possible. Trade Subcontractor who receives 280 or more points will pass this section. In addition to the questionnaire, Trade Subcontractor must provide the requested information for the project experience category. Subcontractor must submit 5 projects with relevant scope, and all of their projects performed in the City of San Francisco.

Trade Subcontractor must qualify under both Section I and receive the minimum points under Section 2 to pass the Qualification requirement as required in Section IX.

Project Experience and Personnel Requirements:

- a. Trade contractor shall be International Ground Source Heat Pump Association (IGSHPA) certified and must employ IGSHPA installers at all times on the jobsite.
- b. Trade contractor must have a minimum of five (5) years of experience performing underground, closed circuit GHEX construction.

- c. Trade contractor must submit a minimum of five (5) Geothermal installation projects (wall, slab, or other underground installations) each with a minimum of 200 tons of cooling capacity or 10,000 LF Pipe.
- d. Documented project experience **MUST** include the following work: coordinating and installing looping, coordinating and installing headers and manifolds, determination and/or tracking of installed loop lengths, deep foundation excavation, and coordination with structural or civil engineers as needed.

Using provided forms in section IX, provide complete project profiles for five (5) of the most relevant completed projects in the past five (5) years. Also provide a profile on the (1) largest GHEX project completed in the past five (5) years. References provided by Trade Subcontractor must be current and verifiable.

Trade Subcontractor will be notified in writing about their qualification status. Webcor/Obayashi Joint Venture reserves the right to adjust, increase, limit, suspend or rescind the qualification rating based on subsequently learned information. Trade Subcontractor whose rating changes sufficient to disqualify them will be notified, and given an opportunity for an appeal consistent with the appeal procedures described below for appealing a qualification rating.

While it is the intent of the qualification questionnaire and required documents to assist Webcor/Obayashi Joint Venture in determining bidder qualification prior to bid and to aid in the selection of the lowest responsible bidder, neither the fact of qualification, nor any qualification rating, will preclude Webcor/Obayashi Joint Venture, in its discretion, from a post-bid consideration and determination of whether a bidder has the quality, fitness, capacity and experience to satisfactorily perform the proposed work, and has demonstrated the requisite trustworthiness.

Pre-Bid Meeting: A pre-bid conference for Trade Subcontractors interested in submitting bids will be held on **04/11/2012**, at 2:00 pm in Conference Room Charlie at the **Webcor/Obayashi Joint Venture Office at 175 Beale Street, San Francisco, California 94105**. The pre-bid conference is mandatory for Bidders. It is optional for subcontractors to Bidders.

Questions/Clarifications: Questions or clarifications regarding the Bid must be submitted in writing to Webcor/Obayashi Joint Venture no later than 2:00pm Pacific time on **04/17/2012**. The Questions On Bidding Documents (QBD) form in the Project Bidding Manual shall be used for questions or clarifications. Refer to “Communication with Webcor/Obayashi Joint Venture” for contact information.

Application Submittal and Due Date: Each questionnaire must be signed under penalty of perjury in the manner designated at the end of the form, by an individual who has the legal authority to bind the Trade Subcontractor on whose behalf that person is signing. If any information provided by a Trade Subcontractor becomes inaccurate, the Trade Subcontractor must immediately notify Webcor/Obayashi Joint Venture and provide updated accurate information in writing, under penalty of perjury.

Interviews: Webcor/Obayashi Joint Venture at its own discretion may conduct interviews with any or all of the Trade Subcontractors responding to the QUALIFICATION DOCUMENTATION to better determine their qualifications to perform work required under the project. Interviews will be for clarification of Trade Subcontractor's responses in the Qualification Application, for discussion of additional information, and to supplement Trade Subcontractor's responses in the Qualification Application.

Appeals Process: Where a timely and complete application results in a rating below that necessary to qualify, an appeal may be made. The Trade Subcontractor may file an appeal by delivering a completed Request for Appeal (Attachment 5) to Webcor/Obayashi Joint Venture no later than five (5) calendar days after the notification date. Without a timely appeal, the Trade Subcontractor waives any and all rights to challenge the decision of Webcor/Obayashi Joint Venture, whether by administrative process, judicial process or any other legal process or proceeding.

If the Trade Subcontractor files a complete and timely Request for Appeal, a review of the appeal shall be conducted so that it is concluded soon after receipt of the Request. The review shall be an informal process conducted by Webcor/Obayashi Joint Venture, PMPC, and the TJPA and will be based upon the information submitted by the Trade Subcontractor in its Request for Appeal. Webcor/Obayashi Joint Venture will notify the Trade Subcontractor in writing of their decision at the conclusion of the review. The decision of Webcor/Obayashi Joint Venture is final and is not subject to appeal or challenge whether by administrative process, judicial process or any other legal process or proceeding.

Financial Responsibility: Webcor/Obayashi Joint Venture and the TJPA accept no financial responsibility for any costs incurred by a firm in responding to this Bid Package. Submissions to Webcor/Obayashi Joint Venture will become the property of the TJPA and may be used by the TJPA in any way deemed appropriate.

No Waiver: No waiver by Webcor/Obayashi Joint Venture and the TJPA of any provision of this Bid Package shall be implied from any failure by Webcor/Obayashi Joint Venture and the TJPA to recognize or take action on account of any failure by a Respondent to observe any provision of this Bid Package.

No Representations or Warranties: The information presented in this Bid Package and in any report or other information provided by Webcor/Obayashi Joint Venture and the TJPA to respondents is provided solely for the convenience of the interested parties. It is the sole responsibility of interested parties to assure themselves that the information contained in this Bid Package or other documents are accurate and complete. No representations, assurances or warranties pertaining to the accuracy of such information are or will be provided by the TJPA or its advisors.

No Conflict of Interest: Webcor/Obayashi Joint Venture and the TJPA shall disqualify any respondent to this Bid Package that has a conflict of interest under Section C8.105 of the San Francisco Charter, Government Code Section 1090, et. seq., the Political Reform Act (Government Code Section 87100 et. seq.), or any other applicable conflict of interest laws. Any false, incomplete, or otherwise unresponsive statements made in connection with a proposal may be cause for its disqualification at Webcor/Obayashi Joint Venture and the TJPA's sole discretion.

END OF BIDDER QUALIFICATION PROCESS

II. KEY DATES FOR BIDDING PROCESS

Each bidder shall submit their “Bid Form”, “Schedule of Bid Prices”, and other applicable sections and forms in Specification and Project Bidding Manual. Required submittal documents for the bid are listed at Bidding Checklist (BCL) in Project Bidding Manual.

Package Timeline:

Bid Package Issued:	April 3, 2012
Pre-Bid Meeting:	April 11, 2012 (2:00pm)
QBD’s Due:	April 17, 2012 (10:00am)
Qualifications Submitted:	April 27, 2012 (2:00pm)
Bid Packages Due:	May 17, 2012 (2:00pm)
Protest Period:	May 21 – May 25, 2012
Notification of Intention to Award Contract:	June 2012
TJPA Board Vote to Approve the Contract Award:	June 14, 2012 (June Board Meeting)

END OF KEY DATES FOR BIDDING PROCESS

III. COMMUNICATION WITH WEBCOR/OBAYASHI JOINT VENTURE

At no time during the bid process (defined as the time between issuance of this IFB until issuance of the Notice of Intent to Award to Trade Subcontractor) shall Trade Subcontractors contact any person(s) or staff of the TJPA, TJPA Program Management/Program Controls (PMPC) team, Webcor/Obayashi Joint Venture, CM Oversight (CMO), or other TJPA Consultants regarding this IFB. The only contact is for submission of questions using the contact directions below.

Submit questions using the Question On Bidding Documents (QBD) form through Webcor/Obayashi Joint Venture. See Project Bidding Manual for QBD form.

E-mail Webcor/Obayashi Joint Venture at TransbayBidding_06@webcor-obayashi.com.

Fax Webcor/Obayashi Joint Venture at (510) 748-7805.

END OF COMMUNICATION WITH WEBCOR/OBAYASHI JOINT VENTURE

IV. SCOPE OF THE PACKAGE AND BID ITEM INFORMATION

TG06.1 Geothermal Loop Package:

A. Package Scope Summary

The scope of work for the Geothermal Loop System Package is described in the Contract Documents. Scope of work includes all labor, materials, equipment, tools, transportation, disposal fees, incidentals and any other costs/fees necessary to complete work in connection with installation of a complete, functional and tested geothermal heat exchange loop. All necessary work from mobilization to handover to the next Trade Subcontractor shall be included in the Bid items.

The major items of the work for this package will consist of the following elements:

- Geothermal Ground Loop Installation

Engineers Estimated Value of this Subcontract is anticipated to be valued at approximately **\$1,650,000.**

Trade Subcontractor is required to review the Contract Documents and Site Conditions in accordance with all requirements set forth in the Prime Contract as respects its scope of work (See Document 00 07 00 – General Conditions, Article 3.03). This shall include, without limitation, the obligation to carefully review the appropriate portions of the Contract Documents a minimum of 35 days in advance of the Work to be executed for the express purposes of checking for any manifest errors, omissions, discrepancies or ambiguities and notifying CM/GC in writing promptly within this time period upon discovery of errors, omissions, discrepancies or ambiguities so that the CM/GC can properly notify the TJPA within the time period prescribed in Document 00 07 00 – General Conditions, Article 3.03.C.

In addition, if Trade Subcontractor performs work that it knows, or reasonably should have known, to be contrary to the Code or other applicable laws, statutes, ordinances, rules and regulations without written notice to CM/GC, Trade Subcontractor shall assume responsibility for such Work and shall bear all costs of correction (See Document 00 07 00 – General Conditions, Article 3.08.E).

B. General Work

All necessary general work shall be included in this package. As needed by the Trade Subcontractor, the general work shall include, but shall not be limited to, site preparation, site safety, crane/rescue baskets, temporary water facilities, temporary lighting for night work, temporary lighting for traffic/pedestrians, temporary toilets, weather mitigation, surveying, clean-up, dump permits and fees, and small tools and equipment specific for this work package. “IV. Trade Subcontractor Requirements” in Project Bidding Manual and the Contract Documents shall be referred to for more information.

The Trade Subcontractor is responsible for the general work in each Zone, beginning at the start of mobilization for that Zone. The Trade Subcontractor is responsible for the Zone until completion of the work in the Zone. See Section V – Construction Schedule and Milestones for specific information. At the start of mobilization in each Zone, the Trade Subcontractor shall take over existing general work facilities left by other Trade Subcontractors, or as directed by Webcor/Obayashi Joint Venture or the TJPA. The Trade Subcontractor is responsible for maintaining facilities in and around the Zone from the start of mobilization until completion of the work in the Zone.

Trade Subcontractor is responsible for protection of adjacent properties and noise and vibration mitigation measures and monitoring, as specified in the Contract Documents (Specification Sections 01 15 40 and 01 35 65).

Trade Subcontractor’s cost of the general work, overhead, office cost, applicable permits/legal fees, administration, bonds, insurances, contingency, profit and other necessary activities for this project shall be included in the bid amount and distributed into the Bid Items.

The following items for this package are discussed in detail in section “IV. Trade Subcontractor Requirements” in Project Bidding Manual. Additional requirements and/or clarifications are specific to the current Trade Subcontractor are included below.

A. General Information – Supplemental Instructions

1. Temporary Power
 - a) The Site Temporary Power/Skids plan is provided in Attachment 3 – Logistics. Use of the temporary power shall be limited to temporary lighting, small pumps, and other small equipment. Use of the site temporary power skids is shared with other Trade Subcontractors.
 - b) Trade Subcontractor shall submit a temporary power plan to Webcor/Obayashi Joint Venture for review prior to installation of temporary power.
2. Temporary Lighting
 - a. Trade Subcontractor shall be responsible for installing and maintaining temporary lighting at all walkways utilized by their workers, and as required to provide code-minimum lighting at egress paths, as well as sufficient foot candle lighting levels to safely perform the work at all times.
3. Personnel/Material Access
 - a) Trade Subcontractor shall include in their scope of work all required for trade access typically defined as, but not limited to stairs/stair platforms, and ladders as needed.
4. Project Supervision and Management

- a) At minimum, the Trade Subcontractor shall have One (1) General Superintendent. The Trade Subcontractor shall provide a minimum of one (1) full-time field Superintendent and Assistant Superintendent for each designated work zone. These field Superintendents shall answer to the Trade Subcontractors general Superintendent in charge of the entire project.
 - b) An approved fluent English speaking field Superintendent that is able to act on direction from Webcor/Obayashi Joint Venture shall be provided at all times while workmen are on site. The designated field Superintendents shall be non-working and shall be equipped with a cellular phone at no cost to Webcor/Obayashi Joint Venture to expedite jobsite communications between Webcor/Obayashi Joint Venture and Trade Subcontractor.
5. Quality Control
- a) Trade Subcontractor shall provide a minimum of one dedicated Quality Control (QC) manager. The QC Manager shall have no other duties other than full time quality control and shall be the QC Manager as approved in the Trade Subcontractor's CQC Plan. Trade Subcontractor to provide appropriate number of QC staffing based on volume, complexity, shifts, manpower, and other considerations to assure an adequate level of QC management and supervision is maintained for work performed per Webcor/Obayashi Joint Venture.
 - b) Trade Subcontractor shall also provide a designated alternate QC manager to perform duties in the absence of the QC Manager. The QC Manager or designated alternate must be on site at all times work is performed. These QC Managers must have completed NAVFAC USACE or equivalent training in Quality Management. Any equivalent certification must be approved by Webcor/Obayashi Joint Venture. At minimum, the Trade Subcontractor shall have one CQC Manager, one Alternate QC Manager, one Assistant CQC Manager, and Four Zone Assistant CQC Managers (one per zone).

B. Safety

1. Supervisory Personnel
 - a) All supervisory personnel shall have as a minimum the OSHA 30 Hour Construction Safety training within the prior four years and possess a current CPR /First Aid and AED certification.
2. Project Staffing Requirements
 - a) Every trade subcontractor shall employ a full time Site Safety Representative (SSR) to coordinate project safety requirements. The SSR shall have at a minimum all the following qualifications:
 - a. The SSR must hold a current CHST certification and shall have attended the OSHA Standards for the Construction Industry (OSHA 510) training program.
 - b. The SSR shall have 3 years prior experience working in a like project or condition, and possess a current CPR /First Aid and AED certification.A full time SSR is required up to 50 employees including tiered subcontractors, office and field staff/supervision. For each additional 50 employees, another SSR shall be required including tiered subcontractors (e.g. at 151 employees there will be 3 SSR's, and so on). This applies to all shift work and off hour or weekend work. The SSR shall have no other duties than full time safety. The Site Safety Representative (SSR) are subject to Webcor/Obayashi Joint Venture's approval and may be removed at any time with or without cause and replacement personnel provided at the subcontractor's/employer's expense.

In addition to the SSR, every Trade Subcontractor shall employ full time Designated Safety Representative (DSR). The DSR shall have at a minimum all the following qualifications:

- a. The DSR must hold a current OSHA 30 certification and shall have attended the OSHA Standards for the Construction Industry (OSHA 510) training program.
- b. The DSR shall have 2 years prior experience working in a like project or condition, and possess a current CPR /First Aid and AED certification.

A full time DSR is required up to 25 employees including tiered subcontractors, office and field staff/supervision. For each additional 20 employees, another DSR shall be required including tiered subcontractors (e.g. at 45 employees there will be 2 DSR's; at 65 employees there will be 3, and so on). This applies to all shift work and off hour or weekend work. The DSR shall have no other duties than full time safety. The designated safety representative (DSR) are subject to Webcor/Obayashi Joint Venture's approval and may be removed at any time with or without cause and replacement personnel provided at the subcontractor's/employer's expense.

An SSR or DSR must be on site at all times work is in progress including day shift, off-hours shift work or weekend work. Each work zone must have a dedicated SSR or DSR at all times work is in progress including day shift, off-hours shift work or weekend work as needed.

C. SBE Program

Obtain SBE participation for this Trade Subcontractor will be no less than **40%** of the total value of Trade Subcontractor's bid value.

D. Coordination With Other Trades

Trade Subcontractor shall coordinate their work with other Trade Subcontractors, especially, but not limited to, Trade Subcontractors that will install the Mud Slab, Temporary Bridges, Access Trestle, Below Grade Structure, Permanent Superstructure, Bus Ramp, Utility Relocation Trade Subcontractors, and logistic subcontractors (Survey, Site Control and Traffic Control). The Trade Subcontractor shall be responsible for coordination of safe access for other Trade Subcontractors in a manner that does not impact other Trade Subcontractors' work.

E. Clean Up

The Trade Subcontractor shall provide an additional thirty 40CY debris boxes for project wide use as directed by Webcor/Obayashi Joint Venture.

C. Base Bid Item Scope**Geothermal Heat Exchange Ground Loop System Scope of Work**

Scope of work includes all labor, materials, equipment, tools, transportation, disposal fees, incidentals and any other costs/fees necessary to complete work in connection with installation of a complete, functional and tested geothermal heat exchange loop. All necessary work from mobilization to handover to the next Trade Subcontractor shall be included in the Bid items.

Trade contractor scope of work includes, but is not limited to, all work described in the following specific Contract Documents as issued. In addition to work explicitly delineated in these sections, include all work as described in the Contract Documents required to complete this work to furnish a complete, functioning, tested Geothermal Loop System.

Mechanical Drawings

M-0005
M-0010
M-0011
M-015
M1-2000
M1-2022, 2023, 2024, 2025, 2026, 2027
M1-2102, 2103, 2104, 2105, 2106, 2107
M1-2202, 2203, 2204, 2205, 2206, 2207
M1-5002

Architectural Drawings/Details

A1-6231, Detail 1
A1-8710, Details 1,2,5
A1-8712, Details 1,2,3,4
S1-3003, Detail 5
GT-0001
GT-5106

Specification Sections

Specification 23 05 02
Specification 23 05 30
Specification 23 57 34
Specification 31 23 34

1. Work to provide a completely operational, functional, and fully tested geothermal loop systems specifically includes, but shall not be limited to:
 - a. All preparatory work excavation on the floor level and in the CDSM Wall, including trenching and excavating, localized dewatering /discharging water, removal of obstructions, and disposal of materials and spoils per project requirements.
 - b. Trade contractor must confirm actual existing conditions, including existing grades, existing structural, and necessary demolition needed prior to commencement of work.
 - c. Provide and install all ground loops, headers, temperature probe housing, ground sensors, and all other mechanical and system connections, supports, equipment and materials necessary for complete system operation.

- d. Responsible for restoration of work areas to original conditions including backfilling with specified materials and compactions to restore grading above geothermal pipe installation, and all structural work, filling voids, and other work as needed to return the CDSM Wall and penetrations back to original conditions per project specifications for the full extent of the geothermal loop installation. The integrity of the CDSM wall must be kept at all times during construction of the work.
 - e. Perform and provide documented results for all required testing and all other items necessary to complete this work item as specified in the Contract Documents.
 - f. All termination points shall be clearly identified and labeled for future connections to be performed by other trade subcontractors.
 - g. Removal of any man-made debris in the excavated material, such as brick, concrete, pipe, cable, wood, steel hardware, ceramics, abandoned utilities and others, and its disposal is to be included in this work item.
 - h. If any temporary shoring and/or supports are required specific to this work item, Trade Subcontractor bid price shall include its cost.
 - i. The geothermal pipe locations shall be adjusted according to the existing conditions of trestle/bridge piles, dewatering pipes, internal bracings, micropiles, temporary supports, instrumentation, and other existing and future elements, and shall be included in the bid price.
 - j. Finish work must include protection of all work, including vertical pipe stub-outs, to prevent future damage during subsequent phases.
2. This work will adhere to the Concept Schedule included in these bid documents in accordance with per Section VIII and the following constraints. If there are any contradictions within these documents, the most stringent schedule requirement shall apply.
- a. The Geothermal Heat Exchange Ground Loop system and related work shall be construction as specified in the Contract Documents. Installation of this system shall start, be coordinated, installed, and completely tested in accordance with the specifications prior to construction of the TG03 BSE Trade Subcontractor's mud slab.
 - b. The Trade Subcontractor shall coordinate their work with Webcor/Obayashi Joint Venture, the TG03 BSE Trade Subcontractor, and other Trade Subcontractors' schedule and sequence for the excavation and placement of the mud slab.
 - c. The Concept Schedule in "Exhibit I" does not show detailed breakdowns for minor work items such as vertical geothermal pipe riser installations. The Trade Subcontractor shall coordinate with other Trade Subcontractors for detail work schedules and all cost associated with the schedule coordination shall be included in the Contract Amount.

END OF SCOPE OF THE PACKAGE AND BID ITEM INFORMATION

V. CONSTRUCTION SCHEDULE AND MILESTONES

Upon Notice of Award, the Trade Subcontractor shall submit a detailed Trade Package Progress CPM Schedule, based on Webcor/Obayashi's scheduling conventions, outlining all lead times and tasks beginning from the date of NTP to projected completion of your work using Primavera P6. The Trade Subcontractor's Progress Schedule shall be submitted to the CM/GC within fifteen calendar days from Notice of Award. The Schedule shall be in accordance with but not limited to Specification Section 01 13 10 Progress Schedule, the latest issued revision of the Transbay Transit Center Project Bidding Manual, and the Project Milestones listed below. If there is a conflict between the documents, the most stringent shall apply. Within the Trade Subcontractor's Schedule the Trade Subcontractor shall include a full submittal schedule per Specification Section 01 13 00.1.4 Submittal Schedule.

A concept schedule is provided for reference only (see Exhibit I). The concept schedule is to clarify preceding and succeeding activities to this Trade Package work, as approved by the TJPA for bidding. Assume schedule activities to start plus or minus 90 calendar days from date indicated in the Exhibit I.

The Trade Subcontractor's Schedule shall be sequenced so that it shall not impact any succeeding activities and/or the critical path of the project. The schedule activities in Exhibit I between the date of the Notice to Proceed and the Completion Date of each Zone and Area should not be assumed to be complete or a binding work plan. However, it is mandatory that each Completion Date be met so as not to impact follow-on Trade Subcontractors or the Critical Path of the Project. The Trade Subcontractor is responsible to include all scope within the Contract documents while adhering to the durations provided in the below. Within 24 hours of a breakdown or failure, this Trade Subcontractor will be required to replace or repair any piece of its equipment or materials working on a critical path activity. Failure to do so will result in Liquidated Damages being withheld from future payments until any lost time is recovered.

The Trade Subcontractor's Schedule shall include but is not limited to the following Milestones and activities:

- Distinct NTP and distinct Finish Milestone for the Work.
- Distinct Finish Milestone of the work for each Zone for the coordination with other trade subcontractors' activities required. The Trade Subcontractor understands these activities and durations are to be included in the Trade Subcontractor's schedule. The Trade Subcontractor shall utilize a WBS and Activity ID convention to allow the Trade Package Progress Schedule to be implemented in the CM/GC's Master Schedule. Activity ID numbers shall be alphanumeric using "PS" (submittals and procurement) and "SX" (construction activities) as prefixes and a six digit alphanumeric suffix (Example: SX-A100000). The Trade Subcontractor shall structure their Trade Package Progress Schedule utilizing the following WBS at the highest level but not limited to:
 - PROCUREMENT (Submittal Schedule & Materials Procurement)
 - Installation of Geothermal Heat Exchange Ground Loop System (GEOTHERMAL) for each loop including area column line designations.

The Trade Subcontractor shall meet with the CM/GC to review the Trade Subcontractor's Schedule. If necessary, the Trade Subcontractor shall provide a revised Schedule that is acceptable to the CM/GC, which shall be implemented into the CM/GC's Master Schedule. No progress payments will be due to this Trade Subcontractor until acceptance of the Trade Subcontractor's schedule submittal by both the CM/GC and TJPA.

END OF CONSTRUCTION SCHEDULE AND MILESTONES

VI. PACKAGE BOUNDARY REFERENCE SHEET

This reference sheet is to assist in the identification of the boundary with other package scopes. The listing below is not necessarily complete or comprehensive. The Trade Subcontractor shall coordinate with other Trade Subcontractors even if primary responsibilities for the following work items are included in other Trade Subcontractors or TJPA.

Item	TG03 BSE	TG06.1 Geothermal Loop	Below Grade Package	Others
General Work				
General Survey for Project wide Control				√
Survey for each package work	√	√	√	
Pedestrian Protection for each package level/area	√		√	
Traffic/Pedestrian Barricades around the Project Site	√			
Temporary Toilets for each package labor/personnel use	√	√	√	
Trash Cans for each package labor/personnel use	√	√	√	
Traffic Control/Gate Control for Project wide	√			
Traffic Control/Gate Control for each package level/area	√	√	√	
Safety for each package level/area	√	√	√	
Clean up for each package level/area	√	√	√	
Composite Crew Clean Up	√	√	√	√
Weather Mitigation for each package level/area	√	√	√	
Temporary Manlifts /Ladders /Stairs for Below Grade Access (Installation, maintain, power supply, relocation and Removal)	√			
Crane and Operators for each package level/area	√	√	√	√
Utilities				
Hanging underground utility	√			

Item	TG03 BSE	TG06.1 Geothermal Loop	Below Grade Package	Others
from Temporary Bridge				
Making voids for utility lines on shoring wall	√			
Include utility line loads into Temporary Bridge Design	√			
Protect utility lines for existing structure removal/shoring wall construction	√			
Utility Installation Work /Utility Penetration Hole Construction			√	
Setting permanent utility lines on ground level slab at Cross Streets				√
<u>Construction</u>				
Finish excavation final surface	√			
Re-establish Rough Grade		√		
Install Micropile Anchors	√			
Install Geothermal Pipe		√		
Install Grounding System				
Excavation /backfill /Compaction for Geothermal Pipe		√		
Place Mud Slab at the bottom of excavation	√			
Install vertical pipe in CDSM wall and return to original conditions		√		
Installation of waterproofing			√	
Installation of the protection slab over the invert waterproofing			√	
Removal/Re-shoring of Internal Bracing	√			
Furnish/Install anchor bolts/hardware in concrete structure for Internal Bracings	√			

Item	TG03 BSE	TG06.1 Geothermal Loop	Below Grade Package	Others
Patch anchor holes for Internal Bracings			√	
Remove/Dispose Access Trestle above top of the lower concourse slab				√
Remove/Dispose the Rest of Access Trestle	√			√
Remove/Dispose Temporary Bridge	√			√
Remove/Dispose Dewatering System	√			√
Patch holes for Pin Piles/Dewatering Pipes			√	
Install Waterproofing for Micropiles			√	
Install Waterproofing for Pin Piles/Dewatering Pipes			√	
Final Capping for Pin Piles at Mat			√	
Final Capping for Dewatering Pipes at Mat Slab after removal of Dewatering System				√
Top Level Wall Construction including Waterproof and Water Stops				√
Taxi/Bike Ramp Construction			√	
Top Level Wall Construction including Waterproof and Water Stops at Taxi/Bike Ramp Area			√	
Cut and Disposal of CDSM Wall Soldier Beam				√
Cut and Disposal of CDSM Wall Soldier Beam at Taxi/Bike Ramp Area			√	
Traffic Diversions at Beale Street				√
Temporary Landscaping at Beale Street				√
Temporary Landscaping at Taxi/Bike Ramp Area			√	

END OF PACKAGE BOUNDARY REFERENCE SHEET

VII. CONTRACT DOCUMENT LIST

The Contract Documents for this Trade Package include the following:

Document Name	Description	Revision Name	Issue Date
Long Form Subcontract		Rev. 3	2012-04-03
Specification Division 00 and Division 01	Division 00 and Division 01 defined in Specification Section 00 01 10	Rev. 2	2010-12-13
Bid Clarifications	Bid Clarification 3 – Section 23 57 34 – Ground Loop Heat Exchanger – Below Grade Package	Bid Clarification 3	2012-03-30
Technical Specifications	Technical Specifications defined in Specification Section 00 01 10	Issue for Bid	2012-03-05
Bid Clarifications	Bid Clarification #1A – Detail Drawing No. MSK-001	Bid Clarification #1A	2012-03-30
Bid Clarifications	Bid Clarification 1B – Detail Drawing No. MSK-002	Bid Clarification 1B	2012-03-30
Bid Clarifications	Bid Clarification 1C – Detail Drawing No. MSK-003	Bid Clarification 1C	2012-03-30
Bid Clarifications	Bid Clarification #4 – Detail Drawing No. ESK-001	Bid Clarification #4	2012-03-30
Drawings	Defined in Specification Section 00 01 15	Issue for Bid	2012-03-05
Sketches	Not Applicable		
Design Built Documents	Not Applicable		
Project Bidding Manual		Rev. 12	2012-04-03
Exhibit A	Trade Subcontractor Bid Package Manual and Forms – Contract #301000601	Issue for Bid	2012-04-03
Exhibit B	Warranty		2010-09
Exhibit C	Lien Releases		2009-07
Exhibit D	Sample Certificate of Insurance and Additional Insured Endorsement		
Exhibit E	LEED Subcontractor Submission Letter and Data Sheet		2012-04
Exhibit F	BIM Breakdown Sheet	Rev. 1	2010-10-11
Exhibit G	Subcontractor Payment Requisition		2012-04-03

Document Name	Description	Revision Name	Issue Date
Exhibit H	Site Specific Safety Plan	Rev. 4	2012-03-27
Exhibit I	Concept Schedule	Issue for Bid	2012-03-30
Exhibit J	Contractor Quality Control Plan	Rev. 3	2012-03-30
Exhibit K	Sediment and Erosion Control Plan		2011-02
Exhibit L	Hazardous Materials Management Plan	Rev. 1	2011-03-11
Exhibit M	RFI Q&A Log	Issued for Bid	2012-03-23
Exhibit N	Noise & Vibration Mitigation Management Plan	Rev. 2	2012-01-16
Exhibit O	Air Quality Management Plan	Rev. 5	2012-01-16
Exhibit P	Construction Waste Management Plan	Rev. 5	2012-02-23
Exhibit Q	Apprenticeship Program	Rev. 0	2012-03-23
Exhibit R	Survey Information	Rev. 0	2012-03-23
Exhibit W	Waterproofing		2011-05

END OF CONTRACT DOCUMENT LIST

VIII. REFERENCE DOCUMENTS LIST

The Reference Documents for this Trade Package includes the following:

Document Name	Description	Revision Name	Issue Date
Reference Documents	TG03 BSE Contract and As-Built Documents		2012-04-03

The reference documents are available for download on the following website:

<https://webcor.box.com/s/1f08d2699eeba1319586>

PASSWORD: WebcorBid! (Case Sensitive)

END OF REFERENCE DOCUMENT LIST

IX. QUALIFICATION REQUIREMENTS

A. SUBMITTAL CHECKLIST

One (1) original and three (3) copies, of 8-1/2" x 11" format of responses with supporting material are due by 2:00 p.m. April 27, 2012 and should be mailed or delivered to:

Transbay Joint Powers Authority
Attn: Eddie Phillips
201 Mission Street, Suite 2100
San Francisco, CA 94105

Re: Qualifications Geothermal Loop Package

No responses will be received thereafter.

- One (1) original and three (3) copies, of 8-1/2"x11" format of responses with supporting material received by 2:00 p.m. April 27, 2012
- Responses shall be printed on both sides of paper (double-sided).
- Responses should include the fully completed Trade Subcontractor Qualification Statement
- Four (4) representative projects as requested utilizing Attachment #5
- One (1) largest project information as requested utilizing Attachment #5
- All City and County of San Francisco projects from the last five years utilizing Attachment #6.
- Resumes for minimum of two (2) project managers and minimum of two (2) superintendents to be used on the project
- Organization chart of key members, showing the contractual and reporting relationship of each member. If a Joint Venture, indicate which firm the key members are associated, as well as the estimated percentage of each firm's involvement in the scope of work.
- Attachment #1 - Notarized Declaration
- Attachment #2
- If additional information is included, the information shall be limited to three (3) pages and shall be provided by the Trade Subcontractor only, incorporating information from major sub-tier contractors/consultants, as appropriate.
- Firm's tracking system for design, fabrication, and delivery if applicable.
- Surety statement as required per section 2.2
- Attachment 8 with SBE/DBE strategy (if applicable)

END OF SUBMITTAL CHECKLIST

B. Trade Subcontractor Qualification Statement

Note: “Contractor” refers to Webcor/Obayashi Joint Venture. “Trade Subcontractor” and “Subcontractor” refer to the entity who will perform the work defined in this RFQ.

Scope of Work: Geothermal Loop Package

Firm Name (as it appears on license):

Address:

Contact:

Title:

Phone:

E-Mail:

Fax:

Website:

Section 1 – Essential Requirements for Qualification**PART A:**

Trade Subcontractor will be immediately disqualified if the answer to any question in Part “A” is “No”.

NO POINTS ASSESSED, ALL QUESTIONS ARE PASS/FAIL.

Item	Question	SCORE Pass/Fail
A-1.	Trade Subcontractor possesses a valid and current California Contractor’s license for the project or projects for which it intends to submit a bid with the appropriate classifications required. Appropriate license classification will include C-20 <input type="checkbox"/> Yes <input type="checkbox"/> No No = Not Qualified, FAIL	Pass/Fail
A-2.	Trade Subcontractor is willing and able to provide both a 5% bid bond and a 100% payment and performance bond from a surety licensed in the state of California for work equal to your bid amount. <input type="checkbox"/> Yes <input type="checkbox"/> No No = Not Qualified, FAIL	Pass/Fail
A-3.	Trade Subcontractor has or can obtain a liability insurance policy issued by an insurance company licensed in the state of California with limits and ratings as noted below and with a Waiver of Subrogation: All insurance companies shall have a current A.M. Best Rating not less than “A,X” and shall be satisfactory to Contractor. -Worker’s Compensation & Employer’s Liability: WC – Statutory Limit; EL - \$1M, including coverage for U.S. Long Shore and Harbor Workers’ Act benefits, and Jones Act benefits, and Federal Employees Liability Act -General Liability + Umbrella or Excess Liability (Minimum Rating- A- and Class VI): Non Hazardous - \$2M (each occurrence and aggregate), including coverage for Contractual Liability, Independent Contractors, Explosion, Collapse, and Underground (XCU), Personal Injury, Broadform Property Damages, and completed operations -Automobile Liability (Minimum Rating- A- I): \$1M combined single limit <input type="checkbox"/> Yes <input type="checkbox"/> No No = Not Qualified, FAIL	Pass/Fail
A-4	Trade Subcontractor provides health and pension benefits for its employees and their families through an ERISA approved program <input type="checkbox"/> Yes <input type="checkbox"/> No No = Not Qualified, FAIL	Pass/Fail
A-5	Trade Subcontractor has an existing agreement with a registered apprenticeship program(s) which has been approved by the California Apprenticeship Council, and the program(s) has graduated apprentices in the preceding five years for the apprenticeable craft(s) which may be employed by your firm? <input type="checkbox"/> Yes <input type="checkbox"/> No No = Not Qualified, FAIL	Pass/Fail

PART B

Trade Subcontractor will be immediately disqualified if the answer to any question in Part “B” is “Yes”.

NO POINTS ASSESSED, ALL QUESTIONS ARE PASS/FAIL.

B-1.	Has your contractor’s license been revoked at any time in the last five (5) years? <input type="checkbox"/> Yes <input type="checkbox"/> No Yes = Not Qualified, FAIL	Pass/Fail
B-2.	Has your contractor’s license been suspended for any reason within the last five (5) years (other than Contractor State License Board bond related reasons of duration not exceeding 90 days)? <input type="checkbox"/> Yes <input type="checkbox"/> No Yes = Not Qualified, FAIL	Pass/Fail
B-3.	Has a surety completed a contract on your behalf, or paid for completion because your firm was default terminated within the last five (5) years? <input type="checkbox"/> Yes <input type="checkbox"/> No Yes = Not Qualified, FAIL	Pass/Fail
B-4.	At the time of submitting this qualification form, is your firm ineligible to bid on or be awarded a public works contract, or perform as a contractor on a public works contract? <input type="checkbox"/> Yes <input type="checkbox"/> No Yes = Not Qualified, FAIL	Pass/Fail
B-5.	Has your firm or any of its owners, officers or partners ever been convicted of a crime involving any federal, state, or local law related to construction? <input type="checkbox"/> Yes <input type="checkbox"/> No Yes = Not Qualified, FAIL	Pass/Fail
B-6.	Is your firm presently in bankruptcy? <input type="checkbox"/> Yes <input type="checkbox"/> No Yes = Not Qualified, FAIL	Pass/Fail
B-7.	Has your firm or any of its owners, officers or partners ever been found liable in a civil suit or found guilty in a criminal action for making any false claim or material misrepresentation to a public agency or entity? <input type="checkbox"/> Yes <input type="checkbox"/> No Yes = Not Qualified, FAIL	Pass/Fail
B-8.	During the last five (5) years, has there ever been a period of time when your firm had no surety bond in place during a construction project when one was required? <input type="checkbox"/> Yes <input type="checkbox"/> No Yes = Not Qualified, FAIL	Pass/Fail

Section 1 Summary

All answers in Part A have been answered ‘Yes’, and Part B answered ‘No’

Pass _____

If any questions in Part A were answered ‘No’, or Part B answered ‘Yes’

Fail _____

Section 2: Licensing; Surety; Insurance; Environmental Matters; Disputes and Claims; Business Organization; Financial Information; Safety; Prevailing Wage; Project History

2.1 Licensing:

<u>Licensing Scoring Section:</u>	Total Score Possible	25 Pts																		
<p><u>Provide the following information:</u> A. Trade Subcontractor must have a current and valid State of California Contractor's License for the trade they are qualifying. List all license numbers and the name of the qualifying license holder as issued and as on file with the licensing board.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Issuing Agency</th> <th style="width: 10%;">Class</th> <th style="width: 20%;">License Number</th> <th style="width: 10%;">Date issued</th> <th style="width: 10%;">Exp. Date</th> <th style="width: 30%;">Name</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">/ /</td> <td style="text-align: center;">/ /</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">/ /</td> <td style="text-align: center;">/ /</td> <td></td> </tr> </tbody> </table> <p>1. Has your Cal-OSHA certificate(s) or registration(s) been revoked at any time in the last 5 years? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):</p> <p>2. Has your firm had a complaint filed with the Contractors State License Board that required a formal hearing or inquiry within the last 5 years? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes): Yes <input type="checkbox"/> No <input type="checkbox"/> EXPLAIN (if yes):</p>			Issuing Agency	Class	License Number	Date issued	Exp. Date	Name				/ /	/ /					/ /	/ /	
Issuing Agency	Class	License Number	Date issued	Exp. Date	Name															
			/ /	/ /																
			/ /	/ /																
Section 2.1 Actual Points Earned																				

2.2 Surety Information:

<u>Bonding Scoring Section:</u>	Total Score Possible	25 Pts
<p>Surety Company: Bonding Agent Contact: Phone: Fax: e-mail: Single Project Bonding Capacity: Aggregate Bonding Capacity: Available Bonding Capacity: Average Project Size Last Year: Bond Rate: Current Backlog: Bonding Status: Attach a statement from your surety insurer (who must be approved by the California Department of Insurance and authorized to issue bonds in the State of California), which states that your current bonding capacity is sufficient for the project.</p> <p>1. At any time during the past five years, has any surety company <u>made any payments</u> on your firm's behalf as a result of a default, to satisfy any claims made against a performance or payment bond issued on your firm's behalf, in connection with a construction project, either public or private? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):</p> <p>2. In the last five years has any insurance carrier, for any form of insurance, refused to renew the insurance policy for your firm? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):</p> <p>3. During the last five years, has your firm ever been denied bond coverage by a surety company, or has there ever been a period of time when your firm had no surety bond in place during a public construction project when one was required? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):</p>		
Section 2.2 Actual Points Earned		

2.3 Insurance:

Insurance Scoring Section:	Total Score Possible	20 Pts
<p>1. Does your firm currently carry a workers' compensation insurance policy as required by the Labor Code or are they legally self-insured pursuant to current California labor laws and code in effect. Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if no):</p> <p>2. In the last five years has there ever been a period when your firm had employees but was without workers compensation insurance or state-approved self-insurance? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):</p> <p>3. In the last five years has any insurance carrier, for any form of insurance, refused to renew the insurance policy for your firm? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):</p>		
Section 2.3 Actual Points Earned		

2.4 Environmental Matters:

Environmental Matters Scoring Section:	Total Score Possible	20 Pts
<p>1. Has your firm been cited by any governing agencies for violations to local ordinances or codes (i.e. BAAQMD, Regional Water Quality Control Boards, etc.)? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):</p> <p>2. Has your firm ever received a citation or violation from any government Environmental Protection Agency (EPA)? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):</p> <p>3. Has your firm ever received a citation or violation from the Department of Toxic Substances Control (DTSC)? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):</p>		
Section 2.4 Actual Points Earned		

2.5 Disputes, Arbitration and Litigation:

Disputes, Arbitration and Litigation Scoring Section:	Total Score Possible	40 Pts
<p>1. At any time in the last five (5) years has your firm been assessed liquidated damages (regardless of final settlement) after completion of either a public or private project? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes): If "yes," explain on a separate signed page, identifying all such projects by owner, owner's address, the date of completion of the project, amount of liquidated damages assessed and all other information necessary to fully explain the assessment of liquidated damages.</p> <p>2. In the last five (5) years has your firm, or any firm with which any of your company's owners, officers or partners was associated, been debarred, disqualified, removed or otherwise prevented from bidding on, or completing, any government agency or public works project for any reason? Note: "Associated with" refers to another construction firm in which an owner, partner or officer of your firm held a similar position. Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes): If "yes," explain on a separate signed page. State whether the firm involved was the firm applying for qualification here or another firm. Identify the name of the company, the name of the person within your firm who was associated with that company, the year of the event, the owner of the project, the project and basis for the action.</p> <p>3. In the last five (5) years has your firm been denied an award of a public works contract based on a finding by a public agency, or their agent, that your company was not a responsible bidder? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes): If "yes," explain on a separate signed page. Identify the year of the event, the owner, the project and the basis for the</p>		

	<p>finding by the public agency.</p> <p>4. In the past five (5) years has any claim against your firm concerning your firm’s work on a construction project been filed in court or arbitration with an owner or General Contractor? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, how many times: If “yes,” on separate signed sheets of paper identify the claim(s) by providing the project name, date of the claim, name of the claimant, a brief description of the nature of the claim, the court in which the case was filed and a brief description of the status of the claim (pending or, if resolved, a brief description of the resolution).</p> <p>5. In the past five (5) years has your firm made any claim against a project owner or General Contractor concerning work on a project or payment for a contract and filed that claim in court or arbitration? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):</p> <p>6. Are there any liens for labor or materials filed against your company, its officers, or any company associated with them? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):</p>	
Section 2.5 Actual Points Earned		

2.6 Claims

	<p>Claims Scoring Section:</p> <p>Note: The following questions refer only to disputes between your firm and the owner or General Contractor of a project that progressed to arbitration or litigation. You need not include information about disputes between your firm and a supplier or Trade Subcontractor. Also, you may omit reference to all disputes where the amounts were \$10,000 or less.</p> <p>1. Enter the number of claims that were made through arbitration or litigation in excess of \$10,000 for additional compensation against owners or General Contractors in the past five (5) years. Using the Attachment 2 form, provide detailed information for each current, pending and resolved dispute. No. of Claims: _____</p> <p>2. <u>Summary of Claims:</u> Include ALL claims as defined below for completing the following items a. through f. as they will be used in the table below: A Claim is a demand or assertion by the Contractor seeking adjustment or interpretation of contract terms, payment of money, extension of time or other relief with respect to the terms of the contract, the Contractor's right to which was disputed by the owner or general contractor, including, but not limited to, disputes subject to arbitration or litigation.</p> <p style="margin-left: 40px;">a. Total Dollar Amount of Claims in past 5 yrs: _____</p> <p style="margin-left: 40px;">b. Total Dollar Amount Recovered: _____</p> <p style="margin-left: 40px;">c. Percentage of Recovery (b ÷ a): _____ %</p> <p style="margin-left: 40px;">d. Total Number of Claims: _____</p> <p style="margin-left: 40px;">e. No. of Projects over \$1million in 5 past yrs: _____</p> <p style="margin-left: 40px;">f. Percentage of Claims Frequency (d ÷ e): _____ %</p> <p>The following table demonstrates how the information submitted above will be evaluated. The matrix below indicates the points that will be deducted based upon the contractors claim experience.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th colspan="3">% of Recovery</th> </tr> <tr> <th>% of Claims Frequency</th> <th>0 - 33%</th> <th>34 - 66%</th> <th>67 - 100%</th> </tr> </thead> <tbody> <tr> <td>50 - 100%</td> <td>-30pts</td> <td>-15pts</td> <td>-10pts</td> </tr> <tr> <td>25 - 50%</td> <td>-20pts</td> <td>-10pts</td> <td>-5pts</td> </tr> <tr> <td>0 - 25%</td> <td>-10pts</td> <td>-5pts</td> <td>0pts</td> </tr> </tbody> </table> <p>Scoring Range -30 to 0 Points</p>		% of Recovery			% of Claims Frequency	0 - 33%	34 - 66%	67 - 100%	50 - 100%	-30pts	-15pts	-10pts	25 - 50%	-20pts	-10pts	-5pts	0 - 25%	-10pts	-5pts	0pts	-30 to 0 Pts
	% of Recovery																					
% of Claims Frequency	0 - 33%	34 - 66%	67 - 100%																			
50 - 100%	-30pts	-15pts	-10pts																			
25 - 50%	-20pts	-10pts	-5pts																			
0 - 25%	-10pts	-5pts	0pts																			

	Section 2.6 Actual Points Deducted	
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Disputes, Arbitration, Litigation and Claims Point Summary: Section 2.5 Actual Points Earned	+
Section 2.6 Points Deducted	-
Section 2.5 and Section 2.6 Total	

2.7 Business Organization and History

Business Organization Scoring Section:	Total Score Possible	25 Pts																												
<p>A. Is your company an: <input type="checkbox"/> individual <input type="checkbox"/> partnership <input type="checkbox"/> corporation <input type="checkbox"/> joint venture <input type="checkbox"/> Subchapter S Corp <input type="checkbox"/> Proprietorship <input type="checkbox"/> LLC</p> <p>B. If firm is a sole proprietor or partnership, list the owner(s) of the company:</p> <p>C. Under the laws of which state is the company organized? State of _____</p> <p>D. Date Founded: _____</p> <p>E. Parent, Affiliate, and/or Subsidiary Companies:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Full Legal Name</th> <th style="width: 15%;">Location</th> <th style="width: 15%;">Ownership</th> <th style="width: 15%;">Operations</th> <th style="width: 15%;">Indemnity Available?</th> <th style="width: 20%;">Endorsed for Obligation of:</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>F. When did present management assume control? _____</p> <p>G. Name of Predecessor: _____ What happened to Predecessor? _____</p> <p>H. What percentage of your work is public? ____% private? ____%</p> <p>I. SBE Certification - Is your firm currently certified as a one of the following:</p> <ul style="list-style-type: none"> • a <i>California Certified Small Business (SB) as certified by the California Department of General Services (DGC) – Procurement Division (PD) – Office of Small Business and Disable Veteran Business Enterprise Services (DVBE)</i> Yes ____ No ____ Expiration date: _____. • a <i>City and County of San Francisco Local/Minority/Women-Owned Business Enterprise (L/M/WBE) as certified by the San Francisco Human Rights Commission (HRC), and/or</i> Yes ____ No ____ Expiration Date: _____ • a <i>Disadvantaged Business Enterprise (DBE) as certified by the California United Certification Program (CUCP)?</i> Yes ____ No ____ Expiration date: _____. <p>Please attach a copy of your Certification Letter(s). If no, have you submitted your certification forms to one of the above entities? Yes ____ No ____ If yes, expected certification date: _____ If no, please identify the date when you plan on submitting your certification request to one of the above entities: _____</p> <p>E. Number of Employees by Trade:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; border-bottom: 1px solid black;">Trade:</td> <td style="width: 15%; border-bottom: 1px solid black;">2011</td> <td style="width: 15%; border-bottom: 1px solid black;">2010</td> <td style="width: 15%; border-bottom: 1px solid black;">2009</td> </tr> </table> <p>Number of Current Administrative Employees:</p> <p>1. Has your firm or any of its owners, officers or partners ever been convicted of a federal or state crime of fraud, theft, or any other act of dishonesty? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):</p> <p>2. Have there been any changes in the control or management of the company during the last 5 years? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):</p> <p>3. Continuity – Completion of Work?</p> <p style="padding-left: 20px;">a) Is there a buy-sell agreement in effect? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):</p>			Full Legal Name	Location	Ownership	Operations	Indemnity Available?	Endorsed for Obligation of:																			Trade:	2011	2010	2009
Full Legal Name	Location	Ownership	Operations	Indemnity Available?	Endorsed for Obligation of:																									
Trade:	2011	2010	2009																											

b) Is the agreement funded by life insurance? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, amount of insurance \$ c) Who are the parties to the buy-sell agreement? Give details if copy not provided. 4. What arrangements have been made to assure that contracts are completed if the owners are not available? 5. Has your firm been in bankruptcy or a voluntary or involuntary reorganization in the last three years? Yes <input type="checkbox"/> No <input type="checkbox"/> Explain (if yes):	
Section 2.7 Actual Points Earned	

2.8 Financial Information:

Financial Information	Total Score Possible	<u>50 Pts</u>									
<p>Federal Tax ID No.: _____ General Tax Exemption No.: _____ Dun and Bradstreet No.: _____ Income/Balance Sheet Preparation Method: _____ Name of Bank: _____ Branch: _____ Line of Credit Amount: \$ _____ Revenue: 2011: (Projected) \$ _____ 2010: (Actual)\$ _____ 2009: (Actual)\$ _____ 2008: (Actual)\$ _____</p> <p>The apparent low bidder will be required to furnish their audited financial statement prior to the award of contract to confirm the ratios below. Confirm that it will be provided upon request: <input type="checkbox"/>Yes <input type="checkbox"/>No Based on your most recent audited or reviewed financial statement(s), provide the following summary financial information: Note: If Trade Subcontractor is EXEMPT read definition below. The apparent low bidder will be required to provide actual financials prior to the award of contract.</p> <p><i>Public Contract Code section 20101(e)</i> (e) For the purposes of subdivision (a), a financial statement shall not be required from a contractor who has qualified as a Small Business Administration entity pursuant to paragraph (1) of subdivision (d) of Section 14837 of the Government Code, when the bid is no more than 25 percent of the qualifying amount provided in paragraph (1) of subdivision (d) of Section 14837 of the Government Code.</p> <p><i>Government Code section 14837 (d) (1)</i> (d) (1) "Small business" means an independently owned and operated business that is not dominant in its field of operation, the principal office of which is located in California, the officers of which are domiciled in California, and that, together with affiliates, has 100 or fewer employees, and average annual gross receipts of ten million dollars (\$10,000,000) or less over the previous three years, or is a manufacturer, as defined in subdivision(c), with 100 or fewer employees.</p> <p><i>SF Administrative code Chapter 14B(3)(b) applies for HRC certified contractors.</i></p> <p>Enter Financial Ratios Below</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">Working Capital</td> <td style="width: 33%; text-align: center;">Current Ratio</td> <td style="width: 33%; text-align: center;">Leverage</td> </tr> <tr> <td style="text-align: center;"><input style="width: 100px; height: 40px;" type="text"/></td> <td style="text-align: center;"><input style="width: 100px; height: 40px;" type="text"/></td> <td style="text-align: center;"><input style="width: 100px; height: 40px;" type="text"/></td> </tr> <tr> <td style="text-align: center;">Current Assets (minus) Current Liabilities (divided by) 2011 Volume</td> <td style="text-align: center;">Current Assets (divided by) Current Liabilities</td> <td style="text-align: center;">Total Liabilities (divided by) Equity</td> </tr> </table>	Working Capital	Current Ratio	Leverage	<input style="width: 100px; height: 40px;" type="text"/>	<input style="width: 100px; height: 40px;" type="text"/>	<input style="width: 100px; height: 40px;" type="text"/>	Current Assets (minus) Current Liabilities (divided by) 2011 Volume	Current Assets (divided by) Current Liabilities	Total Liabilities (divided by) Equity		
Working Capital	Current Ratio	Leverage									
<input style="width: 100px; height: 40px;" type="text"/>	<input style="width: 100px; height: 40px;" type="text"/>	<input style="width: 100px; height: 40px;" type="text"/>									
Current Assets (minus) Current Liabilities (divided by) 2011 Volume	Current Assets (divided by) Current Liabilities	Total Liabilities (divided by) Equity									
Section 2.8 Actual Points Earned:											

	If “yes,” also provide the date(s) of such findings, and attach copies of the Department’s final decision(s).	
Section 2.10 Actual Points Earned:		

2.11 Project and Personnel Experience:

	Project and Personnel Experience	Total Score Possible
	<p style="text-align: right;">100 Pts</p> <p>1. Provide a complete project profile for five (5) of the most relevant completed projects in the past five (7) years. Also provide a profile on the (1) largest GHEX project completed in the past five (5) years. Names and references provided by Trade Subcontractor must be current and verifiable.</p> <p>Project Experience Requirements:</p> <ol style="list-style-type: none"> 1. Trade Subcontractor shall provide information on at least three completed projects that are similar in nature to size, complexity, and estimated value of the Underground Utility Relocation construction. Include information of relevant experience for any second tier contractor included within the Bid Package. Projects shall have been completed within the last five (7) years. Submitted relevant project experience should include, at a minimum, the following: <ul style="list-style-type: none"> • the location of the project with emphasis on complexity of the coordination • size and quantity of pipe • pertinent installation schedule information • Any other information unique to that project that may be relevant to this project 2. Use of Attachment 3 is recommended to submit the project information. Trade Subcontractor may submit standard project profiles, but they must contain all information requested in Attachments 3 and 4. 3. Provide supplemental information on your firm’s tracking systems for design, fabrication and delivery of all required components. <p>2. Using Attachment 4, provide a list of all City and County of San Francisco projects (regardless of geographical location) that your firm has been involved in within the last five years.</p> <p>3. Provide complete qualification information for a minimum of two (2) Project Managers and two (2) Superintendents one of each whom will be assigned to this project. Provide an organizational chart defining the relationship of the project specific personnel to the company. Trade Subcontractors should anticipate potential penalties if the personnel designated to be assigned to the project are changed without prior approval of Webcor/Obayashi Joint Venture.</p> <p>4. Provide supplemental information on your firm’s quality control system and identify projects where your firm successfully implemented it. Do you have a full-time QA/QC representative? Yes ___ No ___. If yes, how many are Corporate? _____ How many are Field? _____</p> <p>5. Provide supplemental information on your firm’s tracking systems for design, fabrication, and delivery of all required components.</p>	
Section 2.11 Actual Points Earned:		

Summary and Scoring Totals**Section 1:**

All answers in Part A have been answered 'Yes', and Part B answered 'No'
If any questions in Part A were answered 'No', or Part B answered 'Yes'

Pass _____
Fail _____

Section 2:

	Total Score Possible	Score Received
2.1 Licensing	25	_____
2.2 Surety/ Bonding	25	_____
2.3 Insurance	20	_____
2.4 Environmental Matters	20	_____
2.5 Disputes, Arbitration and Litigation	40	_____
2.6 Claims	0	_____
2.7 Business Organization	25	_____
2.8 Financial Information	50	_____
2.9 Safety	30	_____
2.10 Prevailing Wage and Apprentice Comp.	15	_____
2.11 Project and Personnel Experience	<u>100</u>	_____
Total Possible Score:	350	Total Score Received: _____

Trade Subcontractor must receive 275 out of a total of 350 points to pass the qualification criteria.

END OF TRADE SUBCONTRACTOR QUALIFICATION STATEMENT

X. CONTRACT ASSIGNMENT

This Bid Package, TG06.1 Geothermal work package, will eventually be part of the TG06.0 Below Grade Package work. Due to scheduling issues, the Geothermal work is being bid under TG06.1. The awarded TG06.1 Trade Subcontractor will initially be contracted directly to Webcor/Obayashi Joint Venture under the Long Form Subcontract provided with the bid package. All contractual work will be managed by Webcor/Obayashi Joint Venture until such a time that the Long Form Subcontract is assigned to the TG06.0 Below Grade Package Trade Subcontractor, at which time the Below Grade Package Trade Subcontractor shall assume all of Webcor/Obayashi Joint Venture's rights, duties and obligations, and Webcor/Obayashi Joint Venture shall be released of any further obligations, liabilities or responsibilities with respect to such Subcontract. By submitting a bid for this work, the awarded TG06.1 Trade Subcontractor is expressly agreeing to accept such assignment.

END OF CONTRACT ASSIGNMENT

ATTACHMENT 1 DECLARATION

The undersigned hereby agrees and declares that receipt of this submittal by the Webcor/Obayashi Joint Venture does not constitute either a direct or implied guarantee that qualification is or will be granted.

I, the undersigned, certify and declare that I have read all the foregoing answers to this qualification questionnaire and know their contents. The matters stated in the questionnaire answers are true of my own knowledge and belief, except as to those matters stated on information and belief, and as to those matters I believe them to be true. I declare under penalty of perjury under the laws of the State of California, that the foregoing is correct.

The undersigned is a legally authorized representative of the Trade Subcontractor for the legal name noted above.

Trade Subcontractor

Printed Name/Title

Signature

Date _____

Subscribed and sworn to before me this _____ day of _____, 20_____

Notary Public in and for the State of _____

Residing at _____

Expiration Date: _____

ATTACHMENT 2 BID FORM AND SCHEDULE OF BID PRICES

TO THE TJPA EXECUTIVE DIRECTOR

In response to the Advertisement for Bids for the following public work:

TG06.1 - Geothermal Loop System Package

The undersigned Bidder hereby proposes and agrees to execute the required contract, shall it be awarded to said Bidder, and to do all the work and furnish all the materials therefor, all in accordance with the Specifications and Drawings referred to in said Advertisement for Bids and at the prices named in the attached Schedule of Bid Prices.

The undersigned declares: That it is the Bidder (or by holding the position below indicated is authorized to execute this Bid Form on behalf of the Bidder); that said Bidder submits this Bid; that said Bidder has not, nor have any of its agents, officers, representatives or employees, been guilty of collusion with any officer or representative of Webcor/Obayashi or the TJPA, or with any other party or parties in the submission of this Bid; nor has said Bidder received any preferential treatment by any officer or employee of Webcor/Obayashi or the TJPA in the making or submitting of this Bid. The undersigned declares under penalty of perjury that all representations made on this Bid Form are true and correct.

Executed on _____ 20 _____

Telephone Number

Name of Firm or Corporation

Bidder or Authorized Representative

Position in Firm or Corporation

S.F. Business Tax Registration
Certificate Number

Address of Firm or Corporation Zip Code

Contractor's California License No.:

License Expiration Date:

BOND OR CHECK REQUIRED: There is herewith attached, as required by law, bid security in accordance with Project Bidding Manual.

***NONDISCRIMINATION IN CONTRACTS AND SMALL BUSINESS ENTERPRISE PROGRAM:** Provisions of chapter 12B (including its implementing Rules and Regulations) of the San Francisco Administrative Code, and the TJPA Small Business Enterprise Program are incorporated herein and by reference made a part of the Bid Sections as though fully set forth. The Bidder and all lower-tier Subcontractors and suppliers shall comply with these provisions and shall submit all required sections in a timely manner. All Bidders are required, and lower-tier Subcontractor and suppliers are strongly encouraged to take part in pre-bid and pre-award conferences.*

SCHEDULE OF BID PRICES
TG06.1 – Geothermal Loop System Package

Name of Bidder: _____

The undersigned, having examined all referenced documents and the Drawings, understanding the terms and conditions of the Contract Documents and the local conditions affecting the performance and costs of the Work, and having fully inspected the Site in all its particulars, hereby proposes and agrees to fully perform the Work as indicated on the Drawings and in accordance with the requirements of the Contract Documents within the time stated therein, and for the following price(s):

No.	Uniformat Code	Master Format Code	Item Description	Bid Price (Lump Sum)
1	Z1000	01 15 05	Mobilization	
2	D3020	23 57 34	Geothermal Heat Exchange Ground Loop System: Excavation: Trenching	
3	D3020	23 57 34	Geothermal Heat Exchange Ground Loop System: Piping Installation – Horizontal Below Mat – 1 ¼" Diameter	
4	D3020	23 57 34	Geothermal Heat Exchange Ground Loop System: Piping Installation – Horizontal Below Mat – 1 ½" Diameter	
5	D3020	23 57 34	Geothermal Heat Exchange Ground Loop System: Piping Installation – Horizontal Below Mat – 2" Diameter	
6	D3020	23 57 34	Geothermal Heat Exchange Ground Loop System: Piping Installation – Horizontal Below Mat – 3" Diameter	
7	D3020	23 57 34	Geothermal Heat Exchange Ground Loop System: Piping Installation – Vertical Behind Wall – Mat Foundation to Lower Concourse – 3" Diameter	
8	D3020	23 57 34	Geothermal Heat Exchange Ground Loop System: Piping Installation – Vertical Behind Wall – Lower Concourse to Grade – 3" Diameter	
9	D3020	23 57 34	Geothermal Heat Exchange Ground Loop System: Piping Installation – Modify & Cap for Future – 3" Diameter	
10	D3020	23 57 34	Geothermal Heat Exchange Ground Loop System: Steel Plate Installation at CDSM Wall at Each Manifold	
11	D3020	23 57 34	Geothermal Heat Exchange Ground Loop System: Piping Installation – Vertical Behind Wall – 2" Diameter Ground Temperature Probe Pipe	
12	D3020	23 57 34	Geothermal Heat Exchange Ground Loop System: Backfill	
	Unit Price		Alternates	Per CY
13	D3020	31 23 34	Geothermal Heat Exchange Ground Loop System: Backfill w/ Non-native Materials (per CY)	
14	D3020	31 23 34	Geothermal Heat Exchange Ground Loop System: Offhaul Excavated Soils (per CY)	
			TOTAL BID PRICE	

The Bidder shall furnish a price for all Bid items in the Bid Schedule and failure to do so will render the Bid as non-responsive and will be cause for its rejection. In determining the successful Bidder, only the total of all Bid items will be considered. No award will be made based on individual bid items.

In case of discrepancy between the sum of Bid item amounts and the Grand Total Bid Price, the sum of said amounts shall prevail. In case of discrepancy between words and figures, the words shall prevail.

Bidder acknowledges and agrees that this Bid, if not withdrawn prior to the scheduled time for receipt of Bids, shall not be withdrawn for a period of 90 days thereafter.

Grand Total Bid Price: \$ _____
(from Total of SCHEDULE OF BID PRICES)

In Written Words: _____

Bid submitted by:

Name of Firm, Corporation, Partnership or Joint Venture (seal)

Names of All Partners, if Partnership

State of Incorporation, if Corporation

Signature of Bidder or Authorized Representative

Date of Bid

Name and Title of Authorized Representative

Note: If Bidder is a corporation, set forth the legal name of the corporation together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation. If Bidder is a partnership, set forth the name of the firm together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership. A corporate authority document which indicates individual is authorized to execute bid documents on behalf of the Firm, Corporation, Partnership or Joint Venture shall be attached.

END OF BID FORM AND SCHEDULE OF BID PRICES

ATTACHMENT 3 LOGISTICS

The following attached drawings present the conceptual logistical as-built plans:

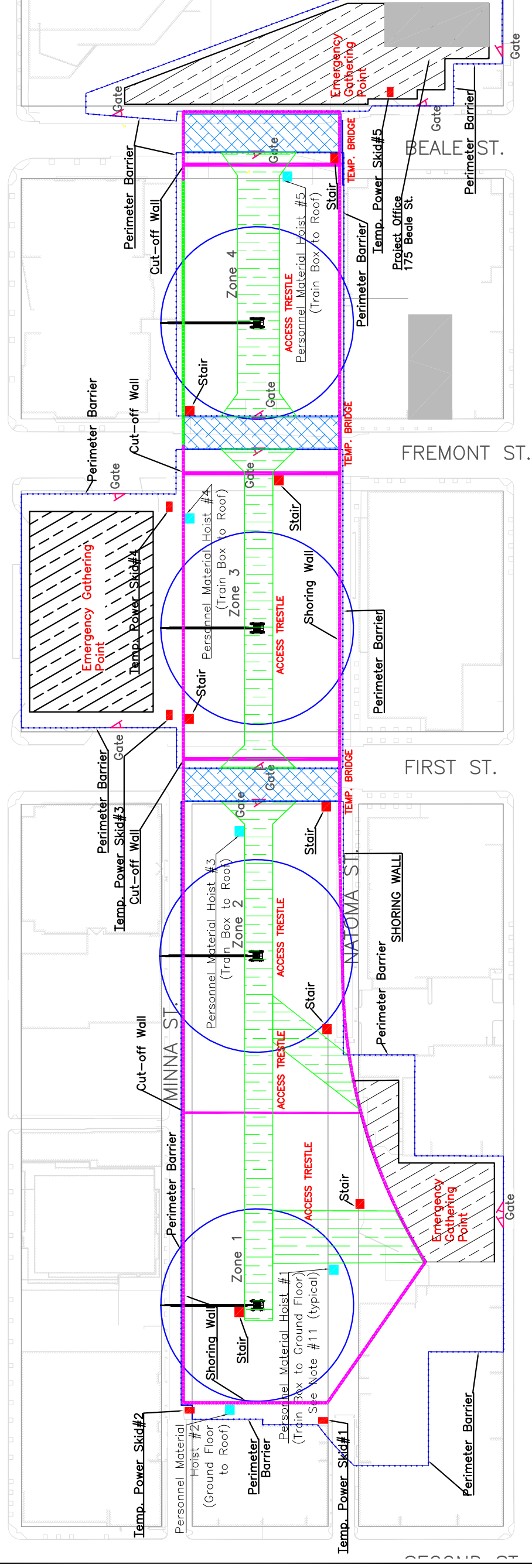
- Site Truck Routing Plan
- Site Logistics Plan
- Site Logistics Construction Zones

END OF LOGISTICS

ISSUANCE LOG

REV No.	ISSUE	DATE
A	Issued For Bid TG06.1	4/3/2012

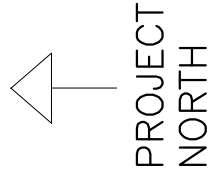
MISSION ST.



HOWARD ST.

GENERAL NOTES

1. No jobsite parking available.
2. No loading or unloading of materials on city streets at any time. Violators will be cited and fined.
3. All deliveries must be coordinated with Webcor/Obayashi.
4. Storage of materials in Staging Areas must be coordinated with Webcor/Obayashi.
5. All visitors must check in at the Webcor/Obayashi project office.
6. Perimeter barrier location is for reference only. Each trade subcontractor shall identify the required perimeter barrier locations in the contract documents.
7. Refer to Exhibit "A" for the location, size, and width of access trestles and temporary.
8. Personnel Material Hoists and stair locations are diagrammatic in nature. Location subject to change.
9. For staging areas, locations, and availability, see the latest issued revision of spec 01 14 19 – Restriction of Use to Site Areas. Usage of these areas will be at the discretion and assigned by Webcor/Obayashi. Refer to Contract Documents.
10. Location and configuration of gates are for reference only. Locations to be verified in the field
11. Dual hoist, each car shall have a minimum 5000# capacity, approximately 5' x 12' inside.



NOT FOR CONSTRUCTION

IMPORTANT NOTE:
 THESE DRAWINGS ARE NOT INTENDED TO REPLACE THE DESIGN ARCHITECTURAL AND STRUCTURAL DRAWINGS. ANY CHANGES TO THE DRAWINGS MUST BE CHECKED ON-SITE AGAINST THE LATEST DESIGN AND DOCUMENTATIONS.

951 MARINERS ISLAND BLVD.
 7TH FLOOR San Mateo, CA 94404
 Phone: (650)349-2727
 Fax: (650) 578-8158

JOBSITE
 181 FREMONT ST
 SAN FRANCISCO, CA 94105
 Phone: (415) 774-3030
 Fax: 510-476-3030

TRANSBAY TRANSIT CENTER

SAN FRANCISCO, CA

Rev. No.	Description	Date
01	BSE Phase	07-20-10
02	Updated Plan & Material Hoists	08-15-10
A	N/E Used	
B	N/E Used	
C	N/E Used	
D	Updated for T003 BSE Addressed 03	08-27-10
E	Updated for T04-2/T04-4 RUP	10-15-10
F	Updated for T003 BSE	10-15-10
G	Updated for T006.1 & T006.2	09-22-10
Drawn By	RC	Date
Checked By	MP	Date
Job No.:	30100	

Site Logistics

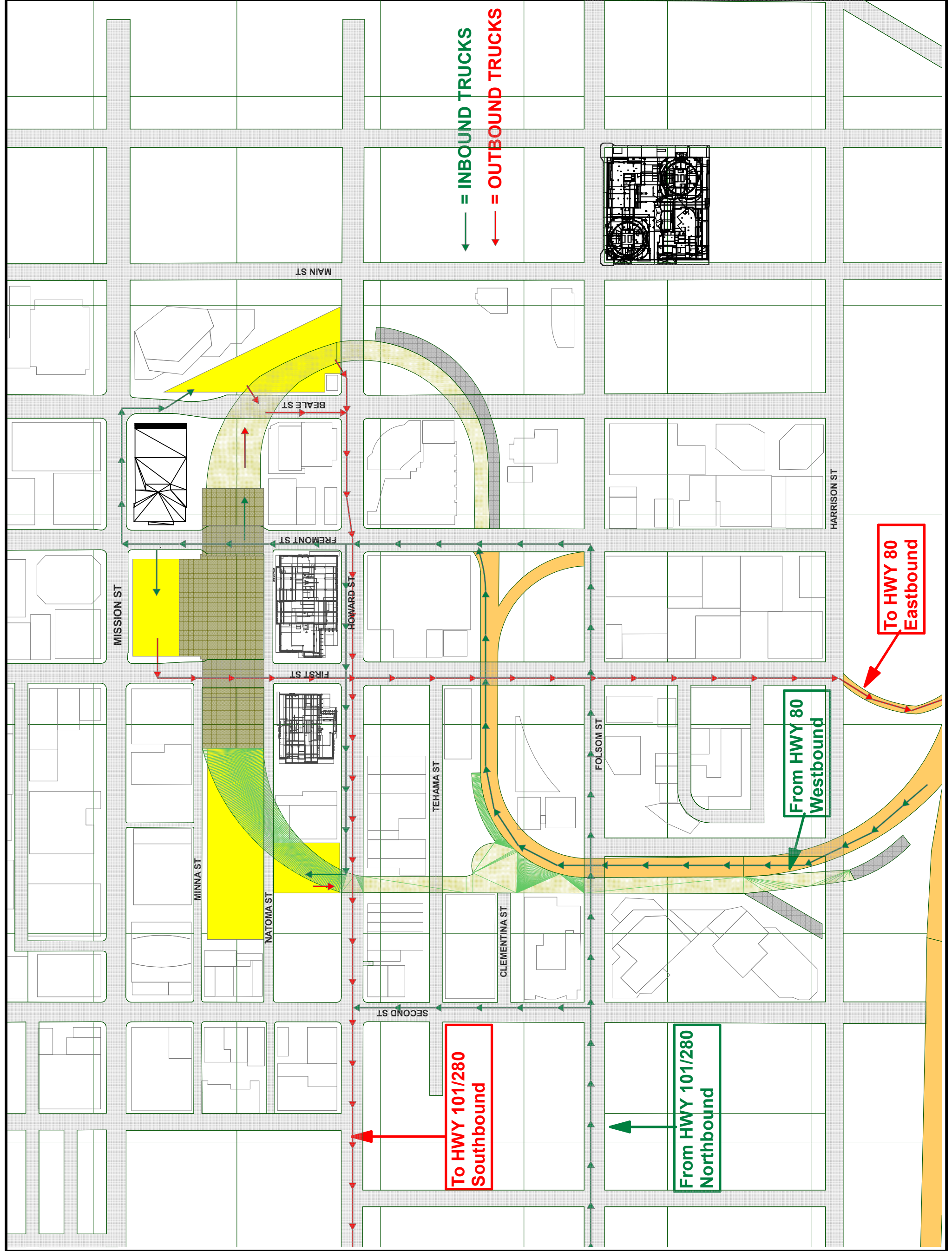
SCALE: N/A

SL-001

MARK	DATE	DESCRIPTION
	03/22/12	///
PROJECT NO:		
MODEL FILE:		
DRAWN BY: KB		
CHKD BY:		
COPYRIGHT		
SHEET TITLE		

**Truck Routing
Plan**

SL - 002



ATTACHMENT 4 MEDIATION, ARBITRATION AND LITIGATION HISTORY
(All Owners both Private and Public)
(Copy and attach this form for each claim)

Separately list all CURRENT, PENDING AND/OR RESOLVED disputes,

- Pursued via mediation, arbitration or litigation
- Initiated within the last five (5) years
- In which additional compensation is sought
- And/or breach of contract was alleged
- And/or indemnity is sought
- Between your firm (or any principal of your firm) and any Owner or any General Contractor

If none, indicate "NONE." Do not leave blanks

Project Name: _____

Project Location: _____

Owner: _____

General Contractor: _____

Nature of Claim: _____

Dollar Amount of Initial Claim: _____

Dollar Amount of Final Settlement: _____

Year Claim Filed: _____ Year Claim Resolved: _____

State of California Superior Court Action No.: _____

U.S. District Court Case No.: _____

How claim was resolved (arbitration, mediation, litigation, etc.): _____

Current Status: _____

ATTACHMENT 5 PROJECT EXPERIENCE – (GEOTHERMAL LOOP PACKAGE)
(Copy and attach this form for each of 6 projects – 3 for Relevant Experience and 3 Largest Projects)

Project Name: _____

Location: _____

Owner: _____

Owner Contact: _____ Phone # _____

General Contractor: _____ Phone # _____

General Contractor Contact: _____

Civil Engineering Firm: _____

Civil Engineer Contact: _____ Phone# _____

Construction Manager: _____ Phone# _____

Description of Project/ Scope of Work Performed: Specifically discuss tasks associated with work including coordinating and installing looping, coordinating and installing headers and manifolds, determination and/or tracking of installed loop lengths, deep foundation excavation, and coordination with structural or civil engineers as needed.

Trade Work: _____ Square footage: _____

Description of the Work

Total Value of Contract at Time of Award: _____

Final Value of Contract (including change orders): _____

Duration in Months from Award to Delivery: _____

Original Scheduled Completion Date: _____

Time Extension Granted (number of days): _____

Actual Date of Completion of your work: _____

What work did your firm perform on this project? Identify trades and values.

_____ \$ _____

_____ \$ _____

Did you subcontract portions of your work (i.e. labor, materials, delivery, etc.) to Small Business or Disadvantaged Business enterprise(s)? If yes, please identify trades and values.

_____ \$ _____

_____ \$ _____

How did your company solicit and evaluate Small/Disadvantaged Business Enterprises to assist with the scope identified above?: _____

What work did your firm self-perform?: _____

Why is this work relevant to the TTC Project: _____

Name of your responsible Project Manager: _____

Name of your Superintendent / Foreman: _____

Major Supplier: _____

Contact: _____ Phone# _____

ATTACHMENT 6 CITY & COUNTY OF SAN FRANCISCO PROJECT EXPERIENCE
(Copy and attach this form as required for all CCSF projects completed in the last five years. CCSF Projects shall refer to projects performed for the City and County of San Francisco, irrespective of geographical location.)

Project Name: _____
Location: _____
City Contact: _____ Phone # _____

Description of Project/ Scope of Work Performed:

Total Value of Contract at Time of Award: _____
Final Value of Contract (including change orders): _____

Original Scheduled Completion Date: _____
Time Extension Granted (number of days): _____
Actual Date of Completion of your work: _____

Was this project completed to the satisfaction of the City? If no, why?

Name of your responsible Project Manager: _____

Name of your Superintendent / Foreman: _____

Major Supplier: _____
Contact: _____ Phone# _____

ATTACHMENT 8 STRATEGY FOR ACHIEVING SBE/DBE GOALS

This document must be received as part of the Request for Qualification package.

Trade Subcontractor/Company Name: _____

Contact Person: _____

Telephone Number: _____

In the space provided below, describe in detail your strategy for achieving the SBE goals as required for this specific trade package. (Add additional sheets if necessary.)

In the space provided below, describe in detail your strategy for achieving the SBE goals as required for this specific trade package. (Add additional sheets if necessary.)

END OF EXHIBIT A