
EXHIBIT A - Trade Subcontractor Bid Package Manual and Forms – Contract #301000405

B...

Trade Package # TG04.5.1: Minna Street;
water; sewer; PG&E electrical, gas and
AT&T Joint Trench; dated ~~August 13,~~
~~2010~~ **September 01, 2010**
Addendum B

...B



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FINAL FOR ADDENDUM

I. BIDDER QUALIFICATION PROCESS

B...If the bidder is not previously qualified and other than the prequalified contractors/joint ventures listed below, the bidder shall submit a Request for Qualification (RFQ) package **no later than 2:00 PM Pacific Standard Time on September 7, 2010. ~~10 days prior to the bid due date.~~** The following prequalified contractors/joint ventures do not need to submit a RFQ package at this time.**B**

Prequalified Subcontractors:

- Synergy Project Management
- Trinet Construction
- M. Hernandez Construction

Notification of qualification will be provided to the bidder prior to bid date. Bids submitted by non-qualified Bidders will not be accepted or opened. Non-qualified Bidders assume all risk and costs associated with submitting a bid if they are deemed not qualified.

Trade Subcontractors looking to qualify during the bid period must use “Request for Qualifications TG04.5.1” form available on the TJPA website (<http://transbaycenter.org/tjpa/doing-business-with-the-tjpa/current-contract-opportunities/Minna-utility-relocation>), posted 08/06/2010. Trade Subcontractors looking to qualify shall also familiarize themselves with the RFQ Questions & Answers posted to the same website.

END OF BIDDER QUALIFICATION PROCESS

II. KEY DATES FOR BIDDING PROCESS

B... 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...**B**

Package Issuance Timeline: Starting **August 13, 2010** Invitation for Bid (IFB) packages, except the drawings and specifications, will be available for download from the TJPA website (<http://transbaycenter.org/tjpa/doing-business-with-the-tjpa/current-contract-opportunities>); or by contacting Webcor/Obayashi Joint Venture by e-mail at TransbayBidding_TG04.5.1@webcor-obayashi.com, or fax at (510) 476-3005. Information regarding how to obtain the drawings and specifications will be posted on the TJPA website prior to August 13, 2010.

Pre-Bid Meeting: A pre-bid conference, followed by a jobsite walk, for Trade Subcontractors interested in submitting bids will be held on August 24, 2010, at 10:00 am in the **TJPA offices at 201 Mission Street, Suite 2100, San Francisco, California 94105**. The pre-bid conference is mandatory for Bidders. It is optional for subcontractors to Bidders.

B... Questions/Clarifications: Questions or clarifications regarding the Bid must be submitted in writing to Webcor/Obayashi Joint Venture ~~at least ten (10) calendar days prior to the date of the Bid~~ **no later than 2:00 PM Pacific Standard Time on September 7, 2010**. Questions of Bidding Documents (QBD) form in Project Bidding Manual shall be used for questions or clarifications. Refer to Section III, “Communication with Webcor/Obayashi Joint Venture” for contact information...**B**

Bid Due Date: Each Trade Subcontractor shall submit sealed bids to the TJPA offices at 201 Mission Street, Suite 2100, San Francisco, CA, 94105 **by 2:00 pm Pacific time on September 15, 2010**. No bids will be accepted after 2:00 pm on the bid due date.

B... Interviews: Webcor/Obayashi Joint Venture at its own discretion may conduct interviews with any or all of the Trade Subcontractors if clarifications for their Bid are required by TJPA and/or Webcor/Obayashi Joint Venture. Interviews will be for clarification of Trade Subcontractor's responses in the **Bid Application, for discussion of additional information, and to supplement Trade Subcontractor's responses in the Bid Application.** ...**B**

B... Notification of Intention to Award Contract: Early October, 2010 ...**B**

TJPA Board Vote to Approve the Contract Award: 10/14/2010 (October Board Meeting)

Notification of Intention to Award Contract: On or about 10/28/2010

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 award of Subcontract 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.

B... Submit questions using the Question On Bidding Documents (QBD) form through Webcor/Obayashi Joint Venture. See Project Bidding Manual for QBD form. ...B
~~Submit questions using the QBD form through Webcor/Obayashi. QBD form can be found in Project Bidding Manual.~~

E-mail Webcor/Obayashi Joint Venture at TransbayBidding_TG04.5.1@webcor-obayashi.com.

Fax Webcor/Obayashi Joint Venture at (510) 476-3005.

B...
Drawing availability as provided in Section III.B.1.a.2 in the Project Bidding Manual is revised to add the following plan room at which bidding documents can be obtained:

- (i) Bayview Builders Exchange
3450 3rd Street Building 4A
San Francisco, CA 94124
(415) 824-9791

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END OF COMMUNICATION WITH WEBCOR/OBAYASHI JOINT VENTURE

IV. SCOPE OF THE PACKAGE AND BID ITEM INFORMATION

TG04.5.1: Minna Street: Sewer; Water; PG&E electric, gas & AT&T Joint Trench

A. Package Scope Summary

Trade Subcontractor agrees to furnish all labor, materials, equipment, and other facilities (collectively called the “Work”) required to complete the Work for the Project in accordance with the Contract Documents. The Trade Subcontractor is recognized as a professional contractor and is required to provide a complete scope of work, including any items not shown in the Contract Documents which are typically included in this scope of work. The Work to be performed by the Subcontractor includes but is not limited to the following:

Utility Relocations on Minna Street between 1st Street and 2nd Street and on 1st Street between Minna and Mission Street as shown and in accordance with the Contract Documents including:

- *Demolition of existing utilities*
- *Installation of new water*
- *Installation of new sewer facilities*
- *Installation of Joint Trench*
- *Street Light Relocation*
- *Traffic Signalization removal*

Work at Fremont Street

- *Demolition of existing utilities*
- *Installation of new water*
- *Installation of new sewer facilities*
- *Street Light Relocation*
- *Traffic Signalization removal*

Other Work

- *All street light relocation where required at other locations*

B...Engineers Estimated Value of this Subcontract is ~~anticipated to be between \$10,200,000 and \$10,400,000.~~ \$ 10,390,000. ...B

Project Bidding Manual (Revision 0 dated July 30, 2010) modifications specific to this package:

- Section IV.A.8.a – Delete this clause. Contractor will not be providing control for this package
- Section IV.A.41 – Where warranty requirements conflict, the more stringent will apply
- Section IV.I – Insurance Requirements – delete reference to exhibit A

B. General Work

B... The Trade Subcontractor Work Requirements as established in the Project Bidding Manual **and the division 00 and division 01 specifications** are clarified, modified and supplemented by the following information. **Unless noted below, subcontractor is responsible for all general requirements related to their scope of work.** If any conflict between this document and the Project Bidding Manual **or the division 00 and division 01 specifications** exist, the more stringent will apply as determined by Webcor-Obayashi....B

1. Lighting: Trade Subcontractor is responsible for all lighting required for completion of this scope of work. Scope will include lighting necessary for protection of the public as dictated by Cal-OSHA safety orders and the City of San Francisco regulations.
2. Logistics: A general Site Logistics Plan has been established by Webcor/Obayashi Joint Venture and is incorporated into this document as Attachment 2. Trade Subcontractor to submit preliminary Logistics plan to W/O for approval. Modifications to the Trade Subcontractors Logistics Plan as directed by Webcor/Obayashi Joint Venture shall not be grounds for a changed condition to the Trade Subcontractor.
3. Trade Subcontractor Logistics Plan: The Trade Subcontractor will produce a task specific logistics plan for all work including but not limited to pedestrian routing, equipment and material staging, temporary toilet locations, haul routes and non-working hours traffic configuration. The Trade Subcontractor shall obtain all city permits associated with this plan. The plan will be consistent with the intent of Webcor/Obayashi Joint Venture Logistics Plan and all Contract Documents. Trade Subcontractor will have plan approved by appropriate jurisdictions. The approved plan will be submitted to Webcor/Obayashi Joint Venture for approval at least 30 business days prior to commencement of work. W/O shall review for compatibility with overall project Logistics Plan.
4. Staging and Parking Areas: Webcor-Obayashi Joint Venture will not be providing areas for staging or parking. All arrangements for use of properties by the Trade Subcontractor will be made by that Trade Subcontractor.
5. Pre-Construction Coordination: Trade Subcontractor will meet with CM/GC no more than 10 days after contract award regarding logistical planning and all applicable coordination. At that time, Trade Subcontractor will have traffic control plans for discussion.
6. Access to Adjacent Property: Access to adjacent properties for pedestrians and vehicles must be maintained at all times during all stages of construction. Trade Subcontractor will provide whatever means necessary to provide this access during their portion of the work. Trade Subcontractor will coordinate deliveries to neighboring properties as necessary.
7. Composite Clean Up: Project Bidding Manual section IV.H is modified to read that **one (1)** man hour will be required for composite clean up for every 40 man hours of scope work completed.

C. SBE Program

Trade Subcontractors bidding for the TG04.5.1 package will be required to fulfill a Small Business Enterprise (SBE) participation goal of 100% participation for this scope of work. The SBE program is further defined in contract specification section 00 08 21. Failure to meet the aforementioned SBE participation requirement will deem the Trade Subcontractor unqualified to bid this trade group. If strategy includes using sub-tier contractors, those sub-tier contractors must be classified as SBE.

D. Base Bid Item Scope

This section is supplemental information used to describe how the Bid pricing is to be broken down and to generally describe the scope of the work defined in the Contract Documents. All necessary work from mobilization to handover to the next Trade Subcontractor shall be included in the Bid items.

1. Schedule: See section V for Schedule Milestones
2. Demolition: Trade Subcontractor will demolish and remove all subsurface structures and infrastructure as indicated on the Contract Documents for the area of work specified in section IV.A above and clarified as follows and as required to perform the sequence of the work:
 - Demo all utilities shown for demolition on the Contract Documents on Minna Street between stations 0+00 to 10+00.
 - Demo all utilities shown for demolition on the Contract Documents on First Street between stations 4+50 to 6+50 and to the extent as shown on the drawings with respect to the shoring wall with the exception of cut and cap and removal of the AWSS line.

Demolition on Fremont Street between stations 4+00 and 5+00 only as required to install water and sewer scopes of work in this area as indicated below
 - Unless noted otherwise on the drawings, Electrical, Gas and Telecommunication lines will be abandon and all feeders removed by the respective utility owners prior to demolition by this contract.
 - Installation and subsequent removal of all necessary measures to protect utilities shown on the drawings to remain in place are considered to be part of this package.
 - Demolition of street sections as necessary to perform the work regardless of material and depth of the pavement section.
3. New Sewer System: Trade Subcontractor will construct the new sewer system as indicated on the Contract Documents for the area of work specified above and clarified as follows:
 - The system will include all work whether directly shown or implied as being required for the new sewer system as shown on the Contract Documents on Minna Street from station 00+50 to station 10+00. Includes all sewer at First Street north of the future shoring wall.
 - Construct new sewer catch basin and associated lateral piping on Fremont Street at and around station 4+50.
 - Installation and subsequent removal of all necessary measures to protect utilities shown on the drawings to remain in place are considered to be part of this package.
 - Any and all temporary sewer bypass measures required to maintain continuous service for building and other facilities that utilize this sewer line throughout the work duration

4. New Water System: Trade Subcontractor will construct the new water system as indicated on the Contract Documents for the area of work specified above and clarified as follows:
 - The system will include all work whether directly shown or implied as being required for the new water system as shown on the Contract Documents on Minna Street between station 0+00 and station 10+00. Includes all water at First Street north of the future shoring wall.
 - Temporary water bypass on Fremont Street between stations 3+75 to 4+75.
 - Any and all required temporary measures required to keep water service in operation to all buildings without a loss of service will be considered to be part of this scope of work.
5. Auxiliary Water Supply System (AWSS): EXCLUDED
6. New Joint Trench: The joint trench to be constructed in the TG04.5.1 Package of the Utility Relocation project will be as follows:
 - Package includes all work whether directly shown or implied as being required for the new joint trench on Minna Street within the limits of work as shown on the Contract Documents.
 - Trade Subcontractor will provide all necessary measures to protect utilities shown on the drawings to remain in place or utilities that are to be removed subsequent to this scope of work.
7. Street Light Relocation Work: All street light work for the entire utility relocation package as shown on sheet U-3201 and U-3202.
 - Includes all components to provide an operational system per the Contract Documents
 - Work will require more than one mobilization due to sequencing requirements
8. Traffic Signals: Remove and salvage of traffic lights as shown on sheet U-3301 and U-3302.
9. Crews and Mobilizations: Trade Subcontractor shall provide all necessary manpower, equipment and mobilizations to meet the schedule milestones as listed in section V.
10. Dewatering and shoring: All dewatering and shoring as required to perform the scope of work shall be included. Any shoring design and engineering required for this scope of work will be provided by the Trade Subcontractor. All shoring systems shall be compliant with Cal OSHA rules and regulations and shall be designed and approved by a State of California registered engineer where required.
11. Sub-surface investigation: The preconstruction Sub-Surface investigation scope of work as required per specification divisions 00/01 , specification section 02 06 30 and further defined on sheets U-1007 and U-1008 is included only to the extent of this bid package as indicated above in Section IV.A – Package Scope Summary.

12. Television Inspection of Sewer: The television inspection of the sewer pipes as required per Contract Documents – both prior to and after construction – shall be included for the TG04.5.1 scope of work. Trade Subcontractor will submit to Webcor-Obayashi Joint Venture the T.V. recording on a Compact Disc ready for submittal to the Department of Public Works. Submittal to Webcor-Obayashi Joint Venture will be made no less than eight (8) weeks prior to commencement of sewer work.
13. Preconstruction Survey: Document existing conditions per specifications including but not limited to adjacent pavement, curbs, sidewalks and buildings prior to beginning of construction operations. A copy of this survey will be submitted in electronic form to Webcor/Obayashi Joint Venture for record
14. Coordination With Private Utilities: Dates for required inspection, field work or any other requirements for PG&E and all other private utilities will be shown as specific tasks within the Trade Subcontractor's schedule. Schedule will also include a specific task that is eight (8) weeks prior to the date when any of these private utilities will be required on site. Subcontractor will be required to notify these utilities at that time of upcoming required activities. Delays incurred because of late response by the private utilities will not be grounds for additional time or compensation.
15. Soil Disposal Premium for Hazardous Material Class I – Will be addressed on an as needed basis with pricing based on unit costs provided by Trade Subcontractor as part of this bid.
See bid form for unit price bid requirements.
16. Soil Disposal Premium for Hazardous Material Class II – Will be addressed on an as needed basis with pricing based on unit costs provided by Trade Subcontractor as part of this bid.
See bid form for unit price bid requirements

END OF SCOPE OF THE PACKAGE AND BID ITEM INFORMATION

V. CONSTRUCTION SCHEDULE AND MILESTONES (UR TG04.5.1)

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 #01 to projected completion of your work using Primavera P6 or compatible. The Trade Subcontractor's schedule shall be submitted to the CM/GC within fifteen (15) 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 Transbay Transit Center Project Bidding Manual dated 07/30/2010, 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 Subcontractors shall include a full submittal schedule per Specification Section 01 13 00, paragraph 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. 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 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 IFB documents while adhering to the durations provided in the Milestones below.

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

- Start of the Work and the Finish of the Work for the work associated with this Trade Package TG04.5.1
- Start of work and Finish of Work for Street Light Relocation
- Start of Work and Finish of Work for the Joint Trench on Minna
- Start of Work and Finish of Work for the Water and Sewer on Minna
 - Include activity sequence to show uninterrupted service to existing properties
- Start of Work and Finish of Work for All work on Fremont Street
- Schedule activity for field work, inspection or other required activities by private utilities. Additional unique schedule milestones shown eight (8) weeks prior to private utility requirement at site.

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 "UT" (construction activities) as prefixes and a six digit numeric suffix (Example: UT-100000). 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)
- CONSTRUCTION (All Construction Activities)

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. The Trade Subcontractor is to include any and all costs in its proposal that are required to meet the Completion Milestones as noted below. 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.

Milestones:

B... NTP #01: Submittals and Procurement

The CM/GC will provide the Trade Subcontractor with NTP #01 to commence with submittals ~~and~~ procurement **and subsurface investigation associated with Trade Package TG04.5.1**. At the time of NTP #01, the Trade Subcontractor shall immediately begin the submittal and procurement activities required to meet the Trade Subcontractor's Base Line Schedule. **...B**

B... NTP #02: First Street Sewer and Project Streetlights

The CM/GC will provide the Trade Subcontractor with NTP #02 to commence all construction activities for the relocation of the sewer **at First Street between** stations 4+45 to 5+05 and street lights on Minna Street, ~~and subsurface investigation on Minna Street~~ associated with Trade Package TG04.5.1. NTP #02 will be issued no later than (45) calendar days from the time of NTP #01. At the time of NTP #02 the Trade Subcontractor assumes responsibility for the security, safety and all liability associated with its work in accordance with the entire set of plans and specifications and the Trade Subcontract. Trade Subcontractor must be complete with ALL activities for the relocation of street lights on Minna Street associated with Trade Package TG04.5.1 within 45 calendar days from NTP #02. **...B**

NTP #03: Fremont Street

The CM/GC shall provide NTP #03 to commence all construction activities on Fremont Street associated with Trade Package TG04.5.1. NTP #03 will be issued no later than 45 calendar days from the time of NTP #01. At the time of NTP #03 the Trade Subcontractor assumes responsibility for the security, safety and all liability associated with its work in accordance with the entire set of plans and specifications and the Trade Subcontract. Trade Subcontractor must be complete with ALL activities on Fremont Street associated with Trade Package TG04.5.1 within 30 calendar days from NTP #03.

NTP #04: All Activities not in NTP's 1-3

The CM/GC shall provide NTP #04 to commence all activities for the remaining work associated with Trade Package TG04.5.1, not specified in NTP #02, or NTP #03. NTP #04 will be issued no later than 105 calendar days from the time of NTP #01. At the time of NTP #04 the Trade Subcontractor assumes responsibility for the security, safety and all liability associated with its work in accordance with the entire set of plans and specifications and the Trade Subcontract. Trade Subcontractor must be complete with ALL activities associated with Trade Package TG04.5.1 within the Trade Subcontract within (120) calendar days from NTP #04.

END OF CONSTRUCTION SCHEDULE AND MILESTONES

ATTACHMENT 1 BID FORM AND SCHEDULE OF BID PRICES

TO THE TJPA EXECUTIVE DIRECTOR

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

Trade Package # TG04.5.1: Minna Street: water; sewer; electrical, gas and AT&T Joint Trench;

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 therefore, 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
TG04.5.1 Minna Street – sewer, gas, joint trench

B... Substantial modifications made to the bid form per addendum B ...B

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):

B... All bid prices should include applicable mark ups to that specific line item **...B**

Specification Section	Item Description	Unit	Estimated Quantity	Productivity (crew hrs/unit)	Bid Price
31 23 16	Subsurface Investigation - Investigation Trenches - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Backfill, Replace pavement section at trench Traffic Control	LS			
31 23 16	Subsurface Investigation - Pothole - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Backfill, Replace pavement section at trench, Traffic Control	EA			
02 41 00 03 30 10 31 23 10 32 12 17	Relocate (E) Street Light - Remove and relocate street light as shown on drawings, including but not limited to conduit, feeders, base as necessary for complete operational system, Traffic Control	EA			
02 41 00	Remove & Salvage (E) Street Light - Remove and salvage streetlight as shown on drawings	EA			
02 41 00	Remove & Salvage (E) Traffic Signal - Remove and Salvage Traffic Signal as shown on the drawings	EA			
02 41 00 03 30 10 31 23 10 31 40 10	Demo (E) Water Pipes - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Pipe Demo & Disposal, Backfill, Replace pavement section at trench, Traffic Control	LF			
03 30 10 31 23 10 31 40 10 32 12 17	Install 8" DIP Water Main (exclude water laterals) - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Pipe	LF			

33 11 00	Install, Backfill, Replace pavement section at trench, cleaning, Testing, Cathodic Protection, Traffic Control				
03 30 10 31 23 10 31 40 10 32 12 17 33 11 00	Install 6" DIP Water Service (exclude water laterals) - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Pipe Install, Backfill, Replace pavement section at trench, cleaning, Testing, Cathodic Protection, Traffic Control	LF			
03 30 10 31 23 10 31 40 10 32 12 17 33 11 00	Install 12" Gate Valve with Valve Box - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Pipe Install, Backfill, Replace pavement section at trench, Testing, Cathodic Protection, Traffic Control	EA			
03 30 10 31 23 10 31 40 10 32 12 17 33 11 00	Install 8" Gate Valve with Valve Box - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Pipe Install, Backfill, Replace pavement section at trench, Testing, Cathodic Protection, Traffic Control	EA			
03 30 10 31 23 10 31 40 10 32 12 17 33 11 00	Install 6" Gate Valve with Valve Box - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Pipe Install, Backfill, Replace pavement section at trench, Testing, Cathodic Protection, Traffic Control	EA			
03 30 10 31 23 10 31 40 10 32 12 17 33 11 00	Water Install 2" Air Valve - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Pipe Install, Backfill, Replace pavement section at trench, Testing, Cathodic Protection, Traffic Control	EA			
33 11 00	Thrust Block Install - Assume open trench from other operations	EA			
03 30 10 31 23 10 31 40 10 32 12 17 33 11 00 33 11 60	Connect Water Lateral to New Water Main – Retap - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Pipe Install, Backfill, Replace pavement section at trench, cleaning, Testing, Cathodic Protection, Traffic Control	EA			
03 30 10 31 23 10 31 40 10 32 12 17 33 11 00 33 11 60	Connect Water Lateral to New Water Main – Renew - - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Pipe Install, Backfill, Replace pavement section at trench, cleaning, Testing, Cathodic Protection, Traffic Control	EA			
03 30 10 31 23 10 31 40 10 32 12 17 33 11 00 33 11 60	Connect Water Lateral to New Water Main - Renew (L) - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Pipe Install, Backfill, Replace pavement section at trench, cleaning, Testing, Cathodic Protection, Traffic Control	EA			

03 30 10 31 23 10 31 40 10 32 12 17 33 11 00 33 11 60	Connect Water Lateral to (E) Cistern - Inc but not limited to: Sawcut, AC removal & dispoal, Excavation, Pipe Install, Backfill, Replace pavement section at trench, cleaning, Testing, Cathodic Protection, Traffic Control	EA			
33 11 00	Install Water Cap - Assume open trench from other operations	EA			
02 41 00 03 30 10 31 23 10 31 40 10 32 12 17	Demo (E) Sewer Pipes - Inc but not limited to: Sawcut, AC removal & dispoal, Excavation, Pipe Demo & Disposal, Backfill, Replace pavement section at trench, Traffic Control	LF			
03 30 10 31 23 10 32 12 17 33 31 10 31 40 10	Install 10" VCP Sewer - Inc but not limited to: Sawcut, AC removal & dispoal, Excavation, Pipe Install, Backfill, Replace pavement section at trench, Hydrocleaning, Traffic Control	LF			
03 30 10 31 23 10 33 31 10 31 40 10 32 12 17	Install 18" VCP Sewer - Inc but not limited to: Sawcut, AC removal & dispoal, Excavation, Pipe Install, Backfill, Replace pavement section at trench, Hydrocleaning; Traffic Control	LF			
03 30 10 31 23 10 33 31 10 31 40 10 32 12 17	Install 24" VCP Sewer - Inc but not limited to: Sawcut, AC removal & dispoal, Excavation, Pipe Install, Backfill, Replace pavement section at trench, Hydrocleaning, Traffic Control	LF			
03 11 00 03 30 10 03 40 10 31 23 10 33 31 10 31 40 10 32 12 17	Install Sewer Manhole - Inc but not limited to: Sawcut, AC removal & dispoal, Excavation, Install, Backfill, Replace pavement section at trench, Hydrocleaning, Traffic Control	EA			
03 11 00 03 30 10 03 40 10 31 23 10 33 31 10 31 40 10 32 12 17	Install Sewer Catchbasin - Inc but not limited to: Sawcut, AC removal & dispoal, Excavation, Install, Backfill, Replace pavement section at trench, Hydrocleaning, Traffic Control	EA			
03 30 10 31 23 10 33 31 10 31 40 10	Connect (E) Sewer Lateral to New Sewer Pipe - Assume open trench from other operations	EA			
31 23 10 31 40 10 32 12 17 33 51 00 33 71 00	Joint Trench Excavate and Backfill Trench – conduit and gas - Inc but not limited to: Sawcut, AC removal & dispoal, Excavation, Backfill, Replace pavement section at trench, Traffic Control	LF			

31 23 10 31 40 10 32 12 17 33 51 00 33 71 00	Joint Trench Excavate and Backfill Trench – where gas only - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Backfill, Replace pavement section at trench, Traffic Control	LF			
33 71 00	Elec New 2" Pipe in Joint Trench - Assume open trench from other operations	LF			
33 71 00	Elec New 4" Pipe in Joint Trench - Assume pipe install in open trench	LF			
33 71 00	Elec New 5" Pipe in Joint Trench - Assume pipe install in open trench	LF			
33 71 00	Elec New 6" Pipe in Joint Trench - Assume pipe install in open trench	LF			
33 71 00	Tele New 4" Pipe in Joint Trench - Assume pipe install in open trench	LF			
33 51 00	Gas New 4" Pipe in Joint Trench - Assume pipe install in open trench	LF			
33 51 00	Concrete Encase Elec Conduit - Assume pipe install in open trench	LS			
33 51 00	Install Gas Pipe Valve - Assume pipe install in open trench	EA			
31 23 10 31 40 10 32 12 17 33 51 00	Install Gas Cap - Assume pipe install in open trench	EA			
03 40 10 03 42 20 33 71 00	Install PG&E manholes at joint Trench - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Pipe Demo & Disposal, Backfill, replace pavement section at trench, Traffic Control	EA			

03 40 10 03 42 20 33 71 00	Install AT&T manholes at joint Trench - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Pipe Demo & Disposal, Backfill, replace pavement section at trench, Traffic Control	EA			
02 41 00 32 12 17 31 23 10	Demo (E) Elec Duct - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Pipe Demo & Disposal, Backfill, replace pavement section at trench, Traffic Control	LF			
02 41 00 32 12 17 31 23 10	Demo Elec Manhole - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Demo & Disposal, Backfill, replace pavement section at trench, Traffic Control	EA			
02 41 00 31 23 10 32 12 17	Demo (E) Telecom Duct - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Pipe Demo & Disposal, Backfill, replace pavement section at trench, Traffic Control	LF			
02 41 00 31 23 10 32 12 17	Demo Telecom Manhole - Inc but not limited to: Sawcut, AC removal & disposal, Excavation, Demo & Disposal, Backfill, replace pavement section at trench, Traffic Control	EA			
33 31 10	Television Inspection of Existing Sewers	LS			
32 12 17	Pavement Restoration - Revpave of street outside trench areas as required by City of San Francisco regulations	LS			
			Engineer Estimated Quantity	Unit Price by Trade Sub contractor	Bid Price
31 23 16	Soil Disposal Premium for Hazardous Material Class I - Premium for Transport and Disposal - Quantity to be adjusted as appropriate	TON	6000		
31 23 16	Soil Disposal Premium for Hazardous Material Class II - Premium for Transport and Disposal - Quantity to be adjusted as appropriate	TON	6000		

TOTAL _____

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:

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

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 2 LOGISTICS

The following attached drawings present the conceptual logistical plan for the TG04.5.1 scope of work:

- SL-001 Site Logistics Site Logistics, Revision 02 date August 13th, 2010
- SL-002 Site Logistics Truck Routing, Revision date July 30, 2010
- SL-003 Site Logistics Temp Power Plan, Revision date July 30, 2010
- SL-004 Site Logistics Construction Zones, Revision date July 30, 2010
- SL-005 Site Logistics Utilities Packages, Revision date August 12, 2010
- SL-006 Site Logistics Trestle 3-D Rendering, Revision date July 30, 2010

END OF LOGISTICS

FINAL FOR ADDENDUM

B...

ISSUANCE LOG

REV No.	ISSUE	DATE
0	Issued For Bid TG04.5.1	2010-08-06
A	NOT USED	-
B	Issued for TG 04.5.1 addendum #1	2010-09-01
C		

END OF ISSUES LOG

...B

END OF EXHIBIT A