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Bureau of Engineering
30 Van Ness Avenue, 5th Floor
San Francisco, CA 94102-6020

Patrick Rivera, PE
Bureau Manager

November 9, 2010

To: Prospective Bidders

Contract No. 1724J is amended in accordance with the following Addendum No. 2 which is made part of said Specification:

**ADDENDUM NO. 2
TO CONTRACT NO. 1724J
VARIOUS LOCATIONS PAVEMENT RENOVATION #14**

Acknowledge receipt of this Addendum in the space provided on the Acknowledgement of Receipt of Addendum/Addenda Form. Failure to do so may subject Bidder to disqualification.

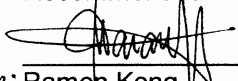
Bid Opening Date:

The bid opening date remains the same as revised through Addendum No. 1. Sealed bids will be received by the City at 875 Stevenson Street, Room 420, San Francisco, California, until 2:30 P.M., on Wednesday, **December 1, 2010**, after which they will be publicly opened and read.

NOTICE:

Time allowed for completion of the work will not be extended by virtue of any provisions of this Addendum.

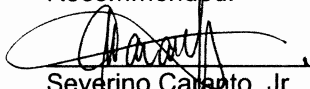
Recommended:

For: 
Ramon Kong
Project Manager

Sincerely,


Patrick Rivera
Bureau Manager

Recommended:


Severino Caranto, Jr.
Contract Preparation Section

Attachments:

1. Addendum No. 1, consisting of 3 pages.
2. Document 00400, Rev. 1, consisting of 4 pages
3. Document 00802, Rev. 1, consisting of one page
4. Section 01027, Rev. 1, consisting of 12 pages
5. Revised Drawings, total 3 sheets, issued as separate PDF files.

ADDENDUM NO. 2
CONTRACT NO. 1724J
VARIOUS LOCATIONS PAVEMENT RENOVATION #14
November 9, 2010

CHANGES TO DRAWINGS:

1. Revised Drawings

The following revised drawings, copies attached to this Addendum No. 2, are hereby made part of these Contract Documents:

<i>Drawing No.</i>	<i>Revision No.</i>	<i>Comments</i>
R-0	1	Added legend for 3" AC on 9" Concrete Base
R-8	1	Revised hatch pattern at Mission and 24 th Streets
R-14	1	Revised detail of Section U

Note: A digital file of the above drawings are issued as separate PDF files.

2. Drawings R-13, Section J

REVISE the note on Section J referring to the new parking strip to read as follows:

"CONSTRUCT NEW 8-INCH THICK 7-FOOT WIDE PARKING STRIP"

CHANGES TO BIDDING AND CONTRACTING REQUIREMENTS:

3. Document 00400, Bid Form

DELETE Document 00400 issued with the original Bid Package and SUBSTITUTE therefor Document 00400, Rev. 1, attached to this Addendum No. 2. Note the following revisions:

- Revised quantities for Bid Items R-2 and R-3
- Revised Bid Item R-6 description to read "9-Inch..."
- Added language and footnote "***" for Bid Item R-3 regarding payment adjustment for crude oil price index fluctuations

4. Document 00802

DELETE Document 00802 issued with the original Bid Package and SUBSTITUTE therefor Document 00802, Rev. 1, attached to this Addendum No. 2. Note the following revisions:

- Revised provisions due to multiple NTPs and contract durations

CHANGES TO SPECIFICATIONS

5. Section 01010-2, 1.4A

DELETE Paragraph A in its entirety and SUBSTITUTE therefor the following:

- "A. Multiple Notice to Proceed (NTP) and Duration: Due to concurrent PG&E projects within the Project limit of this Contract, the work on each street location will be issued through different NTPs with different anticipated dates and contract durations. Refer to Document 00802, Rev. 1, issued with this Addendum for more details."

6. Section 01027

DELETE Section 01027 – Application for Payment issued with the original Bid Package and SUBSTITUTE therefor Section 01027, Rev. 1, attached to this Addendum No. 2. Note the following revisions:

- Inserted new Article 8
- Revised Bid Item R-6 description
- Moved paragraphs for Bid Item G-1 through G-3 to the end of the Section, and revised Bid Item descriptions

7. Section 01570-20, 3.3B

On the third sentence, DELETE the words “without reimbursement from the city” and SUBSTITUTE therefor: “which will be reimbursed by the City through the appropriate Allowance Bid Item.”

Note: For the revised specifications, vertical bars on the right side indicate revised paragraphs.

QUESTIONS FROM BIDDERS

QBD #1) Question: *(Reference: Document 00802) Contract time is shown as 545 consecutive calendar days. Is this correct?*

Response: Yes. This is the overall contract duration. Each street location will have separate NTP dates and construction duration. Please refer to Document 00802, Rev. 1, issued with this Addendum.

QBD #2) and #6) Question: *(Reference: Document 00400-2) Bid Item No. R-6 calls for 10” concrete base. There are no plans or details for this work. Please clarify.*

Response: Bid Item No. R-6 has been revised from 10” concrete base to 9” concrete base and Drawing R-8 has been revised. See revisions to Drawing R-8, Document 00400 and Section 01027 in this Addendum.

QBD #3) Question: *(Reference: Section 01570-3.3-B) The third sentence reads “without reimbursement from the City.” This conflicts with Section 01020 - Allowances. Please clarify.*

Response: De-energization and MUNI related inspection costs will be reimbursed by the City. See revisions to Section 01570 in this Addendum.

QBD #4) Question: *(Reference: Drawing R-8) The entire intersection of Mission Street and 24th Street is shown to be reconstructed with 3” ACWS over 9” concrete base. There is no bid item for 9” concrete base. Please clarify.*

Response: Bid Item No. R-6 has been revised from 10” concrete base to 9” concrete base. See revisions to Document 00400 and Section 01027 in this Addendum.

QBD #5) Question: *(Reference: Drawing R-13) Section J shows construct 7’ wide parking strip. This detail suggests that the parking strip is 10 inches thick. Please clarify.*

Response: The parking strip shown on Section J shall be 8 inches thick. The detail for Section J is not to scale and the note regarding the parking strip shall be revised per this Addendum.

QBD #7) **Question:** *(Reference: Document 00802) Because of the long contract duration, is there a City policy in regards to asphalt price fluctuations?*

Response: Per this Addendum, the City will allow price adjustments due to crude oil price index fluctuations. Please refer to Document 00400, Rev. 1, and Section 01027, Rev. 1, issued with this Addendum. Note that the Bidder may Opt Out of this provision by indicating such intention on Document 00400 - Bid Form at time of Bid.

END OF ADDENDUM NO. 2

DOCUMENT 00400 (Rev. 1)

BID FORM

Date of Bid: _____

TO THE DIRECTOR OF PUBLIC WORKS, CITY AND COUNTY OF SAN FRANCISCO

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

VARIOUS LOCATIONS PAVEMENT RENOVATION #14
(Department of Public Works Contract No. 1724J)

the undersigned Bidder hereby proposes and agrees to execute the required Contract, should 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 the City and County of San Francisco, 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 the City and County 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.

The undersigned declares, under penalty of perjury under the laws of the State of California that the Bidder has read and agrees to the requirements of the San Francisco Administrative Code described on the attached Documents and certifies that statements contained in such Documents are true and correct:

<i>Document No.</i>	<i>Title</i>
00432	Acknowledgment of Receipt of Addenda
00435	Subcontractor List
00450	Bidder's Qualifications Statement
00457	CityBuild/First Source Referral Program Certification
00460	Highest General Prevailing Rate Certification
00465	Certificate of Bidder Regarding Apprenticeship Training Program
00470	Certificate of Bidder Regarding Nondiscrimination in Contracts and Benefits
00480	Non-collusion Affidavit
00482	Certification of Bidder Regarding Debarment and Suspension

***The undersigned acknowledges that he or she
has read and agrees to these documents (initial):*** _____



**INITIAL
HERE**

BUSINESS TAX REGISTRATION DECLARATION: The undersigned further declares and understands that if I am awarded the Contract, each of my Subcontractors and I must maintain a current business tax registration number. If the Tax Collector of the City and County of San Francisco determines that any of my Subcontractors or I do not have or maintain a current business tax registration number, the City may either cancel the Contract or withhold payment.

BOND OR CHECK REQUIRED: There is herewith attached, as required by law, bid security in accordance with the Document 00200 - Instructions to Bidders, Article "Bid Security".

LOCAL BUSINESS ENTERPRISE PARTICIPATION AND NON-DISCRIMINATORY EMPLOYMENT PRACTICES: Provisions of chapters 12B and 14B (including their implementing Rules and Regulations) of the San Francisco Administrative Code are incorporated herein and by reference made a part of the Bid Documents as though fully set forth. The Bidder and all subcontractors and suppliers shall comply with these provisions and shall submit all required documents in a timely manner.

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 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):

SCHEDULE OF BID PRICES

Bid Item No.	Bid Item Description	Estimated Quantity	Unit*	Unit Price	Extension
ROADWAY					
R-1	Traffic Routing Work for Paving Work	---	LS	---	\$
R-2	Full Depth Planing Per 2-Inch Depth Of Cut	558,000	SF	\$	\$
R-3	Asphalt Concrete (Type A, ½-Inch Maximum With Medium Grading)**	7,000	TON	\$	\$
R-4	8-Inch Thick Concrete Base	65,020	SF	\$	\$
R-5	8-Inch Thick Concrete Parking Strip/Gutter	1,920	SF	\$	\$
R-6	9-Inch Thick Concrete Base	5,250	SF	\$	\$
R-7	10-Inch Thick Concrete Bus Pad	7,150	SF	\$	\$
R-8	6-Inch Wide Concrete Curb	370	LF	\$	\$
R-9	Combined 6-Inch Wide Concrete Curb and 2-Foot Wide Concrete Gutter	250	LF	\$	\$
R-10	Combined 6-Inch Wide Concrete Curb and 3-Foot Wide Concrete Gutter	130	LF	\$	\$
R-11	3 ½-Inch Thick Concrete Sidewalk	1,750	SF	\$	\$
R-12	AWSS Fire Cistern Identification Pavement Brick Rings (Per SFDPW Standard Plan 87,179)	1	EA	\$	\$

Bid Item No.	Bid Item Description	Estimated Quantity	Unit*	Unit Price	Extension
R-13	Adjust City-Owned Manhole and Catchbasin Frame And Cover To Grade	20	EA	\$	\$
R-14	Adjust City-Owned Hydrant and Watermain Valve Box Casting Cover To Grade	10	EA	\$	\$
R-15	Temporary Pavement Markers	1,384	EA	\$	\$
R-16	Temporary Traffic Striping	43,491	LF	\$	\$
ELECTRICAL					
E-1	Pull Box Type I	3	EA	\$	\$
E-2	Pull Box Type III	2	EA	\$	\$
E-3	1 - 2" PVC Schedule 80 Conduit (Underground)	100	LF	\$	\$
E-4	2 - 2" PVC Schedule 80 Conduit (Underground) in Same Trench	100	LF	\$	\$
E-5	Miscellaneous Electrical Work Including Work To Furnish And Install Pull Tape And Conduit Plugs	---	LS	---	\$
GENERAL					
G-1	Mobilization (Maximum 5% of the Sum of Bid Items R-1 through E-5 above)	---	LS	---	\$
G-2	Allowance for Off Duty San Francisco Police Officers	---	AL	---	\$ 150,000.00
G-3	Allowance for MUNI Services and Inspectors Related to Paving Work	---	AL	---	\$ 224,500.00
TOTAL BID PRICE (summation of Bid Items R-1 through G-3 above):					\$

*Note: LS = Lump Sum; EA= Each; LF = Linear Feet; SF = Square Feet; CY = Cubic Yards;
AL = Allowance

****The City will adjust payment for Asphalt Concrete work if the California Statewide Crude Oil Price Index for the month the material is placed is more than **5 percent higher or lower** than the price index at the time of bid. Refer to Section 01027 for more details. Bidder may Opt Out of payment adjustment for asphalt price index fluctuations by completing the box below.**

Opt Out Of Payment Adjustment For Asphalt Price Index Fluctuations

Check and initial below if Bidder elects to opt out of payment adjustment for price index fluctuations:

☐ Bidder opt out of the payment adjustment for price index fluctuations Initial: _____

Time allowed for completion of all Work shall be as specified in Document 00802, beginning with and including the official date of Notice to Proceed as established by the Director of the Department of Public Works.

Check if you are: <input type="checkbox"/> Certified Small-LBE or Micro-LBE (10% Discount) <input type="checkbox"/> Certified SBA-LBE (2% Discount if applicable)	Check Category that Describes Your Company: * <input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> OBE
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* **Only Certified Firms:** MBE = Minority Business Enterprise, WBE = Women Business Enterprise, OBE = Other Business Enterprise.

Executed on 20

Name of Firm, Corporation, Partnership or Joint Venture

E-mail Address

Signature of Bidder or Authorized Representative

Telephone Number

Print Name of Authorized Representative

Contractor's California License No. _____

Position in Firm or Corporation

License Expiration Date

Address of Firm or Corporation

S.F. Business Tax Registration
Certificate Number

City	State	Zip Code
------	-------	----------

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.

END OF DOCUMENT

DOCUMENT 00802 (Rev. 1)

CONTRACT TIME AND LIQUIDATED DAMAGES

1.1 SUMMARY

- A. This Document specifies the limits of Contract Time and amounts of liquidated damages agreed to be assessed should the Work be incomplete after the limits of Contract Time.

1.2 CONTRACT TIME

- A. The Work shall be commenced within 5 calendar days from issuance of the Notice to Proceed by the City, prosecuted diligently thereafter, and brought to an overall Substantial Completion within the time limit of **545** consecutive calendar days.
- B. Multiple Notice to Proceed (NTP) and Duration: Due to concurrent PG&E projects within the Project limit of this Contract, the work on each street location will be issued through different NTPs with different anticipated dates and contract durations as listed below. The Contractor shall complete all the required Public Notification and submittals prior to actual field work for each street location in advance of the NTP date in order to avoid construction delays. The Work on each street location shall be commenced within 5 calendar days from issuance of the corresponding NTP and be brought to Substantial Completion within the corresponding time limit of Construction Duration.
1. **San Bruno Avenue**, from Bacon Street to Paul Avenue
 - Early NTP Date = 3/01/2011
 - Late NTP Date = 5/01/2011
 - Construction Duration = 60 calendar days
 2. **South Van Ness Avenue**, from 18th Street to Cesar Chavez Street
 - Early NTP Date = 5/01/2011
 - Late NTP Date = 8/01/2011
 - Construction Duration = 90 calendar days
 3. **Mission Street**, from 20th Street to Cesar Chavez Street
 - Early NTP Date = 10/01/2011
 - Late NTP Date = 01/02/2012
 - Construction Duration = 150 calendar days ”
- C. Final Completion for each street location shall occur no later than **30** consecutive calendar days after the corresponding date of Notice of Substantial Completion for each street location. The Final Completion for Mission Street shall become the overall Project Final Completion.

1.3 LIQUIDATED DAMAGES

- A. The City and Contractor agree that as liquidated damages for delay (but not as a penalty) Contractor shall pay the City and County of San Francisco the sum of one thousand dollars (\$1,000.00) for each calendar day that transpires with the Work for each street location not Substantially Completed after the time limit for achieving Substantial Completion for each street location specified in Paragraph 1.2B.

- B. In addition, Contractor shall pay the sum of four hundred dollars (\$400.00) for each calendar day that transpires with the Work on each street location not Finally Completed after the time limit for achieving Final Completion for each street location specified in Paragraph 1.2C.
- C. See Appendix A to this Document for Additional Liquidated Damages, which summarizes, but not limited to, the other liquidated damages included in this Contract.

END OF DOCUMENT

SECTION 01027 (Rev. 1)
APPLICATIONS FOR PAYMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes procedures for preparation and submittal of Progress Payment requests.
- B. Related Documents
 - 1. Document 00700 – General Conditions, Article 9, Payments and Completion.
 - 2. Document 00400 – Bid Form.
- C. Related Sections
 - 1. Section 01026 - Schedule of Values.
 - 2. Section 01310 - Progress Schedules.

1.2 SCOPE

- A. Payment for the various items of the Schedule of Bid Prices, as further specified herein, shall include all compensation to be received by Contractor for furnishing all tools, equipment, supplies, and manufactured products, and for all labor, operations, overhead and profit, applicable taxes, and incidentals appurtenant to the items of Work being described, as necessary to complete the various items of work in accordance with drawings and as specified. No separate payment will be made for any item that is not specifically set forth in the Schedule of Bid Prices, and all costs therefor shall be included in the prices named in the Schedule of Bid Prices for the various appurtenant items of Work.
- B. Contract Prices shall be deemed to include all bonds and insurance, all appurtenances necessary to complete the required Work, including all costs for compliance with the regulations of public agencies having jurisdiction, including Health and Safety Requirements of the California Division of Industrial Safety and the Occupational Safety and Health Administration of the U.S. Department of Labor (OSHA), and including all costs for loss or damage arising from the Work, or from action of the elements, for any unforeseen difficulties which may be encountered, and for all risks of every description connected with the prosecution of the Work until Project Completion, also for all expenses incurred in consequence of the suspension or discontinuance of the Work as provided in the Contract.
- C. Except as otherwise expressly stipulated in the Contract Documents, no payment shall be made for materials stored on-site or off-site, and for materials not yet incorporated into the Work on site.
- D. Neither the payment of any estimate nor of any retained percentage shall relieve the Contractor of its obligation to make good all defective work or materials.

1.3 BASIS OF PAYMENT

- A. Unit Price Work
 - 1. The City shall determine the quantities of Work to be paid for any item for which a unit price is fixed in the Contract.
 - 2. Unless otherwise provided, determination of the number of units of Work so completed shall be based, as far as practicable, on the actual measurement or count made by the City Representative of the Work satisfactorily completed within the prescribed limits.
 - 3. Measurement and computations shall be made by methods as the City may consider appropriate for the class of Work measured.
 - 4. Should the actual quantities of Work performed under any unit price be greater or less than the estimated quantity stipulated on the Schedule of Bid Prices, or if an item of Work is deleted, the final Contract cost shall be adjusted by Change Order to reflect the actual quantities and actual costs including fixed costs for unit price items.
- B. Lump Sum Work: When the estimated quantity for specific portions of Work is not indicated on the Schedule of Bid Prices and unit is designated as lump sum, payment shall be on a lump sum basis for Work satisfactorily completed as set forth in the Specifications and shown on the Drawings.
- C. Allowances: Work performed under an allowance bid item shall only be payable when costs are actually incurred, as a Reimbursable Expense, with markup as specified in Section 01020.
- D. Monthly payment requests shall be based upon information developed at monthly Application for Payment meetings and shall be prepared by Contractor. The approved Schedule of Values shall be the basis for Contractor's payment requests.
 - 1. No partial Progress Payment shall be made to Contractor until all cost information requested by the City is submitted and reviewed.
 - 2. Submission of a Progress Schedule update in accordance with Section 01310 – Progress Schedules for the same period of the Progress Payment application shall be a condition precedent to making the Progress Payment application.

1.4 APPLICATION AND SCHEDULE PROCEDURES

- A. On the 25th of each month submit an itemized Application of Payment to the City Representative by email with all required supporting documents attached in PDF format or in other Windows file formats (except Certified Payrolls) covering the Work completed as of the date of the Application for Payment.
 - 1. Submit a progress schedule update with each Application for Payment.
 - 2. List each authorized Change Order executed prior to date of submission by Change Order Number and description, as for original items of work.
 - 3. When the City requires substantiating data, Contractor shall submit suitable information with cover letter identifying Application of Payment number and date, line item by number and description.
 - 4. Submit Certified Payrolls through the City's internet-based Project Reporting System. Refer to Paragraph 9.03M of the General Conditions.
 - 5. Specify the desired Method of Payment, either by electronic funds transfer through Bank of America Paymode or by check.

- B. Progress payments for the work performed under this Contract will be made in the manner described in Paragraph 9.03 of the General Conditions.
1. Progress payments will be based upon progress estimates by Contractor and verified by the City of the actual physical progress of the work, utilizing the Schedule of Values approved by the City.
 2. Progress payments will be made on a monthly basis and no mid-monthly payments will be made regardless of the value of the work and material incorporated prior thereto.
 3. Contractor shall certify its estimate of the quantities of the work completed, contained in the monthly progress payment estimate, by signing each such estimate prior to its submission.
 4. Contractor shall submit Project Record Drawings as specified below under article "Project Record Drawings."
 5. The City will make final determination if agreement cannot be reached on Contractor's progress payment request.
- C. The City shall issue payments to Contractor through the City's electronic payment system called PayMode-X[®]. Contractor acknowledges and agrees to receive payment electronically through this system. Contractor shall not be entitled to any additional cost or charge under this Contract for using or failing to use the electronic payment system. Nor shall Contractor be entitled to any additional cost or charge for delays or failures of the electronic payment system to complete a payment transaction.
- D. Pursuant to California Public Contract Code Section 22300, Contractor may substitute securities for any money withheld by the City to insure performance under the Contract. Said securities shall be in a form and of a type acceptable to the City.
1. At the request and expense of Contractor, securities equivalent to the amount withheld shall be deposited with City Controller or with a state or federally chartered bank as the escrow agent, who shall return such securities to Contractor upon satisfactory completion of the Contract.
 2. Securities eligible for investment under Public Contract Code Section 22300 shall be limited to those listed in Section 16420 of the Government Code and to bank or savings and loan certificates of deposit.
 3. Contractor shall enter into escrow agreement with City Controller for in-lieu construction payment retention provided by City, specifying amount of securities to be deposited, terms and conditions of conversion into cash in case of Contractor's default, and termination of escrow upon completion of Contract.
 4. Contractor shall be beneficial owner of securities substituted for monies withheld and shall receive any interest thereon.

1.5 PROGRESS ESTIMATES

- A. Upon receiving Contractor's monthly progress payment application, the City will review progress breakdown and make adjustments to percent of completion of each item of Work.
- A. Monthly progress payments will be made based on the total value of Work items completed or partially completed, as determined by the City with participation of Contractor.
 - B. Accumulated retainage will be shown as separate item in payment summary.

- B. After approving the finalized Progress Payment Report, the City will commence payment processing electronically. The payments will be made in accordance with Contractor's specified Method of Payment.

1.6 PROJECT RECORD DRAWINGS

- A. Submit original and one (1) copy of the Project Record Drawings (As-Builts) with the monthly progress payments to the City Representative in the field for his/her review. The original Record Drawings will be returned to the Contractor within fourteen (14) calendar days of submittal. The Contractor shall update the Record Drawings based on the City Representative's comments and resubmit the drawings for record. If the Record Drawings are not kept current or not furnished when specified herein, Progress Payments and if necessary the Final Payment will be withheld.

1.7 ELECTRONIC CERTIFIED PAYROLLS

- A. In accordance with the requirements of Paragraph 9.03M of the General Conditions, Contractor shall submit certified payrolls to the City electronically via the City-selected Project Reporting System ("PRS"), an internet-based program. This submittal is required for Progress Payments as specified in this Section 01027. In addition to data relating to weekly payroll information, the Contractor, Subcontractors and Suppliers shall enter in appropriate fields of the PRS information regarding new hires, including name and date hired of each new employee.

1.8 ASPHALT PAYMENT ADJUSTMENTS FOR PRICE INDEX FLUCTUATIONS

- A. The City will adjust payment for Asphalt Concrete work if the California Statewide Crude Oil Price Index for the month the material is placed is more than **5 percent higher or lower** than the price index at the time of bid. **This provision does not apply if Bidder elected to opt out of payment adjustment for asphalt price index fluctuations at the time of bid.**
- B. For the California Statewide Crude Oil Price Index, go to:
<http://www.dot.ca.gov/hq/construc/crudeoilindex/>
- C. Calculation of Payment Adjustments: The Payment Adjustment will be added or deducted from the monthly progress payment as a separate line item. The Payment Adjustment shall be calculated as follows:

$$P = Q \times A$$

where:

P = Payment adjustment in dollars for asphalt concrete bid item (either a positive or a negative number)

Q = **H x [W/(100+W)]** for the quantity of liquid asphalt material in tons

H = hot mix asphalt total tons placed

W = theoretical asphalt content from job mix formula expressed as percentage of the weight of dry aggregate

$A = [(Ia / Ib) - 1.05] \times Ia \times [1 + (T/100)]$ for an increase in the crude oil price index exceeding 5 percent (will result in a positive number)

$A = [(Ia / Ib) - 0.95] \times Ia \times [1 + (T/100)]$ for a decrease in the crude oil price index exceeding 5 percent (will result in a negative number)

Ia = California Statewide Crude Oil Price Index for the month in which the actual quantity of asphalt subject to adjustment was placed in the work

Ib = California Statewide Crude Oil Price Index for the month in which the bid opening for the project occurred

T = Sales and use tax rate effective for this Contract

- D. If the adjustment is a decrease in payment, the City will deduct the amount from the monthly progress payment.

PART 2 – PAYMENT SCHEDULE

Bid Item No. R-1 TRAFFIC ROUTING WORK

- A. The contract lump sum price paid for traffic routing work includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in placing, removing, storing, maintaining, moving to new locations, replacing, and disposing of the components of the traffic routing work as shown on the plans; and doing all other work as specified in Section 01570 and applicable standards as referenced therein as specified in the applicable portions of the DPW Standard Specifications, and as directed by the Engineer.
- B. Traffic routing work, satisfactorily performed, as specified, will be paid for at the lump sum price bid therefore, prorated over the duration of field construction, proportionally to the percentage of field construction completed to date.

Bid Item No. R-2 FULL DEPTH PLANING PER 2-INCH DEPTH OF CUT

- A. Full Depth Planing Per 2–Inch Depth Of Cut will be measured for payment as follows:
1. Full Depth Planing Per 2–Inch Depth Of Cut will be measured by square feet of roadway surface completed in place.
 2. Areas will be determined by the limits shown on the Drawings unless otherwise directed by the City Representative.
 3. No deductions will be made from the Contractor's pay for inlets or other casting area itself.
- B. Full Depth Planing Per 2–Inch Depth Of Cut will be paid for at the Contract unit price per square foot stated in the Schedule of Bid Prices for the computed quantities as determined by the measurement method specified above.

Bid Item No. R-3 ASPHALT CONCRETE (TYPE A, ½-INCH MAXIMUM WITH MEDIUM GRADING)

- A. Asphalt Concrete will be measured for payment as follows:
 - 1. Furnish a certified daily summary weight sheet in addition to either a public weighmaster certificate or a private weighmaster's certificate showing the number of tons of asphalt concrete placed.
 - 2. Obtain the signature of the City Representative on the load tag for each load dumped on the site and incorporated into the Work. Payment will be made only on duplicate load slips delivered to the City Representative at the time of signature and delivery.
- B. Asphalt Concrete (Type A, ½-Inch Medium Grading) installed and all necessary and/or required equipment and labor to install, including trucking will be paid for at the Contract unit price per ton stated in the Schedule of Bid Prices for the computed quantities as determined by the measurement method specified above.
- C. This Bid Item is subject to payment adjustment per Article 1.8 of this Section.

Bid Item No. R-4 8-INCH THICK CONCRETE BASE

- A. 8-Inch Thick Concrete Base will be measured for payment by the actual area in square feet of concrete base constructed, and will be paid for at the Contract unit price per square foot stated in the Schedule of Bid Prices.
- B. Saw cutting, removal and disposal of existing roadway base (concrete/asphalt/other), excavating, backfilling, preparation of subgrade to proper grade, compaction, and adjustment of manhole and catch basin frames and castings to finished grade will be considered as Incidental Work.
- C. The City Representative may determine exact locations of concrete base work, and may increase or decrease measurements shown on the Drawings or establish new concrete base work in the field.
- D. When the new concrete base is to be thickened at an edge in order to match the depth of a thicker adjacent pavement section, the thickened portion will be considered as Incidental Work.

Bid Item No. R-5 8-INCH THICK CONCRETE PARKING STRIP/GUTTER

- A. 8-Inch Thick Concrete Parking Strip/Gutter will be measured for payment by the square foot to the limits indicated on the plans, and will be paid for at the contract unit price.
- B. Saw cutting, removal, and disposal of existing concrete base / pavement, excavating, backfilling, preparation of subgrade to proper grade, compacting, and adjustment of manhole and catch basin frames and castings to new grade shall be considered as Incidental Work.

- C. The City Representative may determine exact locations of concrete base work and may increase or decrease measurements shown on the Drawings or establish new concrete base work in the field.

Bid Item No. R-6 9-INCH THICK CONCRETE BASE

- A. 9-Inch Thick Concrete Base will be measured for payment by the square foot to the limits indicated on the plans, and will be paid for at the contract unit price.
- B. Saw cutting and removal of existing concrete base, excavating, backfilling, preparation of subgrade to proper grade, compacting, and adjustment of manhole and catch basin frames and castings to new grade shall be considered as Incidental Work.
- C. The City Representative may determine exact locations of concrete base work and may increase or decrease measurements shown on the Drawings or establish new concrete base work in the field.
- D. When concrete base is to be thickened at an edge in order to match the depth of a thicker adjacent pavement section, the thickened portion of the pavement shall be considered as Incidental Work.

Bid Item No. R-7 10-INCH THICK CONCRETE BUS PAD

- A. 10-Inch Thick Concrete Bus Pad will be measured for payment by the square foot to the limits indicated on the plans, and will be paid for at the contract unit price.
- B. Saw cutting, removal, and disposal of existing concrete base / pavement, excavating, backfilling, preparation of subgrade to proper grade, compacting, and adjustment of manhole and catch basin frames and castings to new grade shall be considered as Incidental Work.
- C. The City Representative may determine exact locations of concrete bus pad work and may increase or decrease measurements shown on the Drawings or establish new concrete base work in the field.
- D. When the concrete bus pad is to be thickened at an edge in order to match the depth of a thicker adjacent pavement section, the thickened portion of the pavement shall be considered as Incidental Work.

Bid Item No. R-8 6-INCH WIDE CONCRETE CURB

- A. 6-Inch Wide Concrete Curb, including dropped curbs for driveways will be measured for payment by the actual length in linear feet of concrete curb constructed, measured to the limits along the face of curb shown on the Drawings, and will be paid for at the Contract unit price per linear foot stated in the Schedule of Bid Prices.
- B. Saw cutting, removal, and disposal of existing curb, excavating, backfilling, form work, survey work, preparation of subgrade to proper grade, and compaction will be considered as Incidental Work. This Bid Item will not include the curb in combined curb and gutter.
- C. The City Representative may determine exact locations of concrete curb work, and may

increase or decrease measurements shown on the Drawings or establish new concrete curb work in the field.

Bid Item No. R-9 COMBINED 6-INCH WIDE CONCRETE CURB AND 2-FOOT WIDE CONCRETE GUTTER

- A. Combined 6-Inch Wide Concrete Curb And 2-Foot Wide Concrete Gutter, including dropped curbs for curb ramps and driveways will be measured for payment by the actual length in linear feet of combined concrete curb and gutter constructed, measured to the limits along the face of curb shown on the Drawings, and will be paid for at the Contract unit price per linear foot stated in the Schedule of Bid Prices, even if the 6-Inch Wide Concrete Curb is poured separately.
- B. Saw cutting, removal and disposal of existing pavement or gutter and curb, excavating, backfilling, form work, survey work, preparation of subgrade to proper grade, compaction, abandoning of existing catch basin, and adjustment of manhole and catch basin frames and castings to finished grade will be considered as Incidental Work.
- C. The City Representative may determine exact locations of combined concrete curb and gutter work, and may increase or decrease measurements shown on the Drawings or establish new combined concrete curb and gutter work in the field.

Bid Item No. R-10 COMBINED 6-INCH WIDE CONCRETE CURB AND 3-FOOT WIDE CONCRETE

- A. Combined 6-Inch Wide Concrete Curb and 3-Foot Wide Concrete Gutter, including dropped curbs for curb ramps will be measured for payment by the actual length in linear feet measured to the limits along the face of curb indicated on the Drawings, and will be paid for at the Contract unit price per linear foot stated in the Schedule of Bid Prices, even if the 6-Inch Wide Concrete Curb is poured separately.
- B. Saw cutting, removal and disposal of existing pavement and concrete curb, excavating, backfilling, survey work, form work, preparation of subgrade to proper grade, compacting, abandoning of existing catch basin, and adjustment of manhole and catch basin frames and castings to new grade as shown on the Drawings will be considered as Incidental Work.
- C. The City Representative may determine exact locations of combined curb and gutter work, and may increase or decrease measurements shown on the Drawings or establish new combined curb and gutter work in the field.

Bid Item No. R-11 3 ½-INCH THICK CONCRETE SIDEWALK

- A. 3 ½-Inch Thick Concrete Sidewalk will be measured for payment by the actual area in square feet of concrete sidewalk constructed, measured to the limits shown on the Drawings, and will be paid for at the Contract unit price per square foot stated in the Schedule of Bid Prices.
- B. Saw cutting, removal and disposal of existing sidewalk, excavating, backfilling, preparation of subgrade to proper grade, compaction, removal of tree roots as directed by

the Bureau of Urban Forestry (BUF), adjusting of utility boxes, manhole frames and castings, and sewer vents to finished grade, grouting under and around street light poles and/or traffic signal poles, the moving and reinstalling of mail boxes, and the construction of new 4-inch wide concrete curb at the back of sidewalk as shown on the Drawings, will be considered as Incidental Work.

- C. Also considered as Incidental Work to this bid item is the restoration of building corners where the sidewalk elevation is lowered exposing the unpainted and unfinished building façade, including all work and materials needed to match the existing surface in material and color.
- D. No deduction in areas of measurement will be taken for poles, standards and other fixtures, boxed out locations for manhole and other castings, boxes and facilities, regardless of ownership.
- E. The City Representative may determine exact locations of concrete sidewalk work, and may increase or decrease measurements shown on the Drawings or establish new concrete sidewalk work in the field.

Bid Item No. R-12 AWSS FIRE CISTERN IDENTIFICATION PAVEMENT BRICK RINGS

- A. Construct AWSS Fire Cistern Identification Pavement Brick Rings will be paid for at the lump sum price bid stated in the Schedule of Bid Prices. The AWSS Fire Cistern Identification Pavement Brick Rings will be constructed as shown on the Drawings at the intersection of South Van Ness Avenue and 20th Street, per DPW Standard Plan 87,179 and as specified in Section 03202 – Brick Cistern Ring and as directed by the City Representative.
- B. All Work and materials necessary for constructing the brick cistern rings including layout, demolition, preparation work, concrete base, concrete footing, mortar and finishing will be considered as Incidental Work.

Bid Item No. R-13 ADJUST CITY-OWNED MANHOLE AND CATCHBASIN FRAME AND COVER TO GRADE

- A. At locations of street resurfacing, the number and locations of manhole frames and castings to be adjusted in the field will be as determined by a joint inspection of the Contractor and the City Representative before the start of milling operation.
- B. Adjustment of existing manhole frames and castings will be measured for each casting satisfactorily adjusted.
- C. At locations of street base, parking strip, gutter, sidewalk, manhole, and curb ramp construction/reconstruction, adjustment of manhole frames and castings to new grade will be considered to be Incidental Work, and the number of frames and castings to be adjusted will not be measured for payment.
- C. This Bid Item will be paid for at the Contract unit price each stated in the Schedule of Bid Prices for the computed quantities as determined by the measurement method specified above.

Bid Item No. R-14 ADJUST CITY-OWNED HYDRANT AND WATERMAIN VALVE BOX CASTING COVER TO GRADE

- A. At locations of street resurfacing, the number and locations of hydrant and water main valve box castings to be adjusted in the field will be as determined by a joint inspection of the Contractor and the City Representative before the start of milling operation.
- B. Adjustment of existing hydrant and water main valve box castings will be measured for each casting satisfactorily adjusted. Refer to Section 02607 – Adjustment of City-Owned Frames and Castings.
- D. At locations of street base, parking strip, gutter, sidewalk, and curb ramp construction/reconstruction, adjustment of hydrant and water main valve box castings to new grade will be considered to be Incidental Work, and the number of castings to be adjusted will not be measured for payment.

Bid Item No. R-15 TEMPORARY PAVEMENT MARKERS

- A. Temporary overlay pavement markers will be measured for payment per unit quantity, each, of markers installed, including all incidental work.
- B. The contract unit price paid for temporary overlay pavement markers shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all the work involved in furnishing, replacing, maintaining, replacing, and removing temporary markers. Quantities may vary by more than 25%.

Bid Item No. R-16 TEMPORARY TRAFFIC STRIPING

- A. All temporary tape traffic stripes and pavement markings will be measured by linear feet as shown on the plans and/or as installed in the field. Four inches (4”) broken traffic stripes will be measured in linear feet including the gaps.
- B. The four inches stripe will be the basis of measurement for wider temporary pavement markings such as 12-inches stop bars, 8-inches stripe, etc. and the total length will be measured as a four inches stripe.
- C. The contract unit price paid for temporary traffic stripe, pavement markings shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all the work involved in furnishing, replacing, maintaining, replacing, and removing temporary traffic stripes, and markings.
- E. Temporary stripe furnished and satisfactorily installed will be paid for at the Contract unit prices for the computed quantities as determined by the measurement method specified above. Quantities may vary by more than 25%.
- F. No other additional compensation will be paid in maintaining all temporary stripes and pavement markings.

Bid Item No. E-1 PULL BOX TYPE I

Payment for furnishing and installing Pull Box Type I, including modifications to

existing conduit as needed, pavement restoration at pull box locations and all incidental and related work will be made at the unit price bid therefore. Measured for payment per pull box satisfactorily installed in place. Refer to Specification Section 16050.

Bid Item No. E-2 PULL BOX TYPE III

Payment for furnishing and installing Pull Box Type III, including modifications to existing conduit as needed, pavement restoration at pull box locations and all incidental and related work will be made at the unit price bid therefore. Measured for payment per pull box satisfactorily installed in place. Refer to Specification Section 16050.

Bid Item No. E-3 1 - 2" PVC, SCHEDULE 80 CONDUIT (UNDERGROUND)

Payment for furnishing and installing 1 - 2" PVC, Schedule 80 Conduit (Underground) including excavation, backfill, compaction, pavement restoration and all incidental and related work will be made at the unit price bid therefore. Measured for payment per linear foot satisfactorily installed in place. Refer to Specification Section 16050.

Bid Item No. E-4 2 - 2" PVC, SCHEDULE 80 CONDUIT (UNDERGROUND) IN SAME TRENCH

Payment for furnishing and installing 2 - 2" PVC, Schedule 80 Conduit (Underground) including excavation, backfill, compaction, pavement restoration and all incidental and related work will be made at the unit price bid therefore. Measured for payment per linear foot satisfactorily installed in place. Refer to Specification Section 16050.

Bid Item No. E-5 MISCELLANEOUS ELECTRICAL WORK INCLUDING WORK TO FURNISH AND INSTALL PULL TAPE, AND CONDUIT PLUGS

Payment for furnishing and installing all wiring including all miscellaneous electrical work including installation of project signs; work to furnish and install ground rods, pull tape, and junction boxes; and all incidental and related work shall be made at the Lump Sum price bid therefore. Refer to Specification Section 16050.

Bid Item No. G-1 MOBILIZATION (MAXIMUM 5% OF THE SUM OF BID ITEMS R-1 THROUGH E-5 ABOVE)

- A. Refer to Section 01505 – Mobilization.

Bid Item No. G-2 ALLOWANCE FOR OFF-DUTY SAN FRANCISCO POLICE OFFICERS

- A. Refer to Section 01020 – Allowances

Bid Item No. G-3 ALLOWANCE FOR MUNI SERVICES AND INSPECTORS RELATED TO PAVING WORK

- A. Refer to Section 01020 - Allowances

PART 3 - EXECUTION (Not Used)

END OF SECTION 01027