

## **SECTION 01 20 00**

### **PRICE AND PAYMENT PROCEDURES**

#### **PART 1 – GENERAL**

##### **1.01 SUMMARY**

- A. This Specification Section covers requirements and procedures for preparation and submittal of Contractor Progress Payment Requests.
- B. Related Sections include:
  - 1. Section 00 41 10 – Schedule of Bid Prices
  - 2. Section 00 72 00 – General Conditions
  - 3. Section 01 29 73 – Schedule of Values
  - 4. Section 01 32 16 – Construction Progress Schedule

##### **1.02 DEFINITIONS**

- A. Unit Price Work
  - 1. The City will determine the quantities of work to be paid for any item for which a unit price is fixed in the Contract. The foregoing shall also apply to bid items for which the unit of measurement is designed as “Each”.
  - 2. Unless otherwise provided, determination of the number of units of work so completed will be based, so far as practicable, on the actual measurement or count made by the City Representative of the work satisfactorily completed within the prescribed limits.
- B. Lump Sum Work:
  - 1. 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 will be on a lump sum basis in accordance with the approved Schedule of Values for work satisfactorily completed.
- C. Allowance Bid Items:
  - 1. Contingency Allowances are individually set aside, fixed dollar amounts available on a contingent basis for selected items of work and/or materials that may be performed and/or procured only when and as directed in writing by the City, and shall be limited to items of work properly inferable from the description of the allowance. Contingency Allowances cover work or other cost items that are not anticipated or foreseen and may or may not ultimately be required during the performance of this Contract. Payment under a Contingency Allowance will include Contractor’s mark-

up for overhead and profit and will be paid under the Change Order provisions of Article 6 of the General Conditions, Section 00 72 00.

2. Cash Allowances are used for an item of work or other cost item which is known to be required, or likely to be required, in the performance of this Contract. Payment under a Cash Allowance will be made only for the actual invoice amount of items purchased or direct costs incurred. Contractor's other costs, which may include, but not be limited to, equipment handling, unloading, cleaning, storage, installation labor, administration, supervision, overhead and profit, shall be considered by the City to be included in Contractor's Base Bid outside of the Cash Allowance and will not be reimbursed.
  3. Work under specific allowances in this Contract may be implemented or deleted partially or in its entirety. Upon bid submittal, the Contractor shall not claim credit for any Local Business Enterprise (LBE) subcontract work described as allowance work items. Since it is possible that some, all, or none of the amounts provided for in these Bid Items may be used, the provisions of Section 00 72 00 – General Conditions for deleting the Bid Item Work entirely shall not apply for these bid items. Claims for loss of anticipated profit due to the City's decision not to use some or all of the allowance bid items will not be considered.
  4. If an allowance item is not expended or is only partially expended, the contract sum will be reduced to reflect the difference between the amount provided in the original contract sum and the cost of the actual allowance work.
  5. The dollar amount given in the Schedule of Bid Prices for each allowance item shall be the amount of funds set aside for each allowance. Said amounts shall be included in Contractor's Total Bid on the Schedule of Bid Prices.
- D. Conditional Bid Items are those Bid Items that involve significant uncertainties related to the item's eventual inclusion in, or deletion from, the work to be performed, and to the actual or eventual quantities of labor and/or materials required for that Bid Item. Conditional Bid Items cannot be used to fulfill the Contract's LBE subcontractor participation goal, and the unit price adjustment guidelines of Articles 6.08.B & C of General Conditions Section 00 72 00 are not applicable.

### **1.03 BASIS OF PAYMENT**

- A. Quantities of Work to be paid for under any item for which a unit price is fixed in the Contract shall be the number, as determined by the City Representative, of units of Work satisfactorily completed in accordance with the requirements of the Contract Documents.

- B. Unless otherwise provided, determination of the number of units of Work so completed will be based, so far as practicable, on the actual measurement or count within prescribed or ordered limits, and no payment will be made for work done outside of limits.
- C. Measurements and computations will be as determined by Contract requirements, or if not otherwise prescribed, made by methods as the City Representative may consider appropriate for the class of work measured.
- D. The description for each of the Bid Items in this Section provides a general description of the work to be covered under each item. It is not the intent of each Bid Item Description to provide in detail all work and costs required. The Contractor shall allocate or assign the costs of all contract work as it sees best to the individual Bid Items in accordance with the Contract. Each Extension dollar amount for each Bid Item shall be full compensation for furnishing all labor, material, equipment, and tools necessary for the Work; for performance and completing all Work in accordance with the Contract; and for all expenses and markups incurred by the Contractor for any purpose incidental to performing and completing the Work. The Contractor's failure or omission to include any costs for the contract work in its bid shall not be justification for additional compensation. Any allowance or extra work to be performed under this Contract shall either be performed under the Allowance Bid Items listed in Section 00 41 10 or performed through change orders as authorized by the City Representative.

#### **1.04 PROGRESS ESTIMATES AND PAYMENTS**

- A. Progress payments for the Work performed under this Contract will be made in the manner described in the General Conditions.
  - 1. Progress payments will be based upon progress estimates by Contractor and verified by the City Representative of the actual physical progress of the work. The Contractor shall be responsible for the measurements and surveys required to establish the progress estimate and shall, upon request by the City Representative, make available for checking all surveying and measurement notes and logbooks complete with benchmarks and monuments used.
  - 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. The Contractor shall submit a monthly schedule update with each Application for Payment.
  - 4. 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.

5. The City will make final determination if agreement cannot be reached on the Contractor's progress payment request.
- B. The application for payment shall identify, as a subtotal, the amount of the Contractor total earnings to date; plus, the specified percentage of the value of materials stored at the Site which have not yet been incorporated in the Work; and less a deductive adjustment for materials installed which were not previously incorporated in the Work, but for which payment was allowed under the provisions for payment for materials stored at the Site, but not yet incorporated in the Work.
- C. The net payment due to the Contractor shall be the above-mentioned subtotal from which shall be deducted the amount of any applicable retainage and the total amount of all previous payments made to the Contractor. The Contractor shall make adjustments for any withholdings from the payment due, such as for Stop Payment Notices, at that time. Withholdings for defective work, as per prior notifications to the Contractor, will also be made.

## **PART 2 – PRODUCTS (NOT USED)**

## **PART 3 – EXECUTION**

### **3.01 SCHEDULE OF BID PRICES (all items include all necessary labor, materials – except as otherwise specified – and Incidental Work to complete the item):**

#### **Bid Item No. SW-1 MOBILIZATION**

Mobilization for all work in the contract will be paid based on the entire contract amount, not individual locations. Excavation and Plumbing Permit Fee shall not be allowed to be included under this Bid Item "Mobilization" and will be paid under Bid Item SW-47.

Under mobilization, when the City Representative is satisfied that the Contractor is diligently pursuing commencement of work as stipulated in Section 01 21 50 will be paid 100% of the amount set aside in the Bid Form.

Any extension of the Contract Time that may be granted will not of itself constitute grounds for a claim for additional payment under the Bid item "Mobilization".

#### **Bid Item No. SW-2 DEMOBILIZATION FOR SEWER WORK**

Demobilization for all work in the contract will be paid based on the entire contract amount, not individual locations.

Under demobilization, when the City Representative is satisfied that the Contractor is diligently pursuing commencement of work as stipulated in Section 01 21 50 will be paid 100% of the amount set aside in the Bid Form.

Any extension of the Contract Time that may be granted will not of itself constitute grounds for a claim for additional payment under the Bid Item "Demobilization".

**Bid Item No. SW-3                      TRAFFIC CONTROL FOR SEWER AND ROADWAY WORK**

The contract lump sum price paid for traffic control work includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals (including barricades, barriers, flag persons and other traffic control) 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 control work as shown on the plans; and doing all other work as specified in this Section 01 55 26 and applicable standards as referenced therein as specified in the applicable portions of the DPW Standard Specifications, and as directed by the City Representative. The traffic control work satisfactorily performed will be paid for at the lump sum price bid therefor prorated over the duration of field construction, proportionally to the percentage of field construction completed to date.

**Bid Item No. SW-4                      TRENCH AND EXCAVATION SUPPORT WORK**

Trench and excavation support work for sewer work, as specified, including adequate sheeting, shoring, dewatering (if necessary) and bracing, etc., or equivalent method for the protection of life and limb, and conforming to applicable safety orders of OSHA and the State of California Division of Industrial Safety, will be paid for at the lump sum price bid therefor.

**Bid Item No. SW-5                      12, 15, 18, AND 21-INCH DIAMETER VCP SEWER ON  
to SW-8                      CRUSHED ROCK BEDDING WRAPPED IN GEOTEXTILE  
FABRIC**

VCP main sewer on crushed rock bedding and wrapped in geotextile fabric will be measured horizontally along the centerline as specified in Section 305.08 of the SFDPW Standard Specifications and Section 33 33 00 – Sanitary Sewerage Utilities by the number of each linear foot satisfactorily constructed complete, in place, including all incidental work and will be paid for at the unit price bid per linear foot.

**Bid Item No. SW-9                      10-INCH DIAMETER VCP CULVERT REPLACEMENT OR  
CONSTRUCTION (CONDITIONAL BID ITEM)**

10-Inch diameter VCP culvert will be measured horizontally along the centerline as specified in Section 306.07 of SFDPW Standard Specifications for payment by the number of each linear foot satisfactorily constructed, complete in place, as specified in Section 33 33 00 – Sanitary Sewerage Utilities and will be paid for at the price bid per linear foot.

The final quantity may vary by more than 25% of the estimated quantity specified and General Conditions Document 00 72 00, Article 6.08 B & C with respect to adjustment of unit bid prices do not apply to work under this bid item.

**Bid Item No. SW-10**                      6-INCH OR 8-INCH DIAMETER SIDE SEWER  
CONNECTION TO VCP MAIN SEWER (CONDITIONAL  
BID ITEM)

Side sewer connections to VCP main sewer will be measured for payment by the number of each satisfactory side sewer connection, complete in place, as specified in Section 33 33 00, including all Incidental Work and will be paid for the unit price bid therefor.

The final quantity may vary by more than 25% of the estimated quantity specified and General Conditions Section 00 72 00, Article 6.08 B & C with respect to adjustment of unit bid prices do not apply to work under this bid item.

**Bid Item No. SW-11**                      6-INCH OR 8-INCH DIAMETER SIDE SEWER  
CONNECTION TO RCP MAIN SEWER (CONDITIONAL  
BID ITEM)

Side sewer connections to VCP main sewer will be measured for payment by the number of each satisfactory side sewer connection, complete in place, as specified in Section 33 33 00, including all Incidental Work and will be paid for the unit price bid therefor.

The final quantity may vary by more than 25% of the estimated quantity specified and General Conditions Section 00 72 00, Article 6.08 B & C with respect to adjustment of unit bid prices do not apply to work under this bid item.

**Bid Item No. SW-12**                      6-INCH OR 8-INCH DIAMETER SIDE SEWER REPAIR,  
REPLACEMENT, OR CONSTRUCTION LOCATED  
WITHIN LIMITS SHOWN ON SW-DRAWINGS  
(CONDITIONAL BID ITEM)

VCP side sewer repair, replacement, or construction, including the construction of wye connection to combine laterals where shown on SW-drawings, will be measured horizontally along the centerline as specified in 307.06 and 307.07 of SFPDW Standard Specifications for payment by the number of each linear foot satisfactorily constructed, complete in place, as specified in Section 33 33 00 – Sanitary Sewerage Utilities, and will be paid for at the price bid per linear foot.

Mobilization, traffic control work, earthwork, and restoration of T-trench related to this work shall be done as incidental work to this bid item.

The final quantity may vary by more than 25% of the estimated quantity specified and General Conditions Section 00 72 00, Article 6.08 B & C with respect to adjustment of unit bid prices do not apply to work under this bid item.

**Bid Item No. SW-13**                      ULTRA VIOLET (UV) CURED TOP HAT FOR 6-INCH  
OR 8-INCH DIAMETER SIDE SEWER CONNECTION  
(CONDITIONAL BID ITEM)

UV cured top hat side sewer lateral connections will be measured for payment by the number of each satisfactory side sewer connection, complete in place, as specified in Section 33 01 30.73, 33 01 30.74 and 33 33 00, including all Incidental Work and will be paid for the unit price bid therefor.

The final quantity may vary by more than 25% of the estimated quantity specified and General Conditions Document 00 72 00, Article 6.08 B & C with respect to adjustment of unit bid prices do not apply to work under this bid item.

**Bid Item No. SW-14**                      **CLEANING, REMOVING SEDIMENTS AND TELEVISIONING  
EXISTING SEWERS PRIOR TO LINING WORK**

Clean, remove, and dispose of sediments and televise existing main sewers prior to lining satisfactorily performed, as specified in Section 33 33 00 and 33 01 30.73 including all incidental work will be paid for at the lump sum price bid therefor.

**Bid Item No. SW-15**                      **REMOVAL OF SIDE SEWER & CULVERT PROTRUSIONS &  
OTHER OBSTRUCTIONS PRIOR TO LINING WORK  
(CONDITIONAL BID ITEM)**

Removal of protruding side sewers and culverts by clearly cutting and removing segment of side sewer that protrudes beyond the inner wall of sewer main or other obstacles requiring internal reaming prior to lining work, satisfactorily performed, as specified in Section 33 01 30.73 – Cured-In-Place Liner Pipe, including all incidental work, will be paid for at the unit price bid therefor.

The final quantity may vary by more than 25% of the estimated quantity specified and General Conditions Document 00 72 00, Article 6.08 B & C with respect to adjustment of unit bid prices do not apply to work under this bid item.

**Bid Item No. SW-16**                      **BYPASS MAIN SEWER FLOW RELATED TO SEWER  
REHABILITATION WORK**

Bypassing main sewer flow satisfactorily performed, as specified in Section 33 33 00 and 33 01 30.73 including all incidental work will be paid for at the lump sum price bid therefor.

**Bid Item No. SW-17**                      **LINE 6-INCH OR 8-INCH DIAMETER SIDE SEWER WITH  
CURED-IN-PLACE-LINER (CIPL) (CONDITIONAL BID  
ITEM)**

Lining of existing sewer with Cured-In-Place Liner (CIPL) will be measured horizontally along the centerline for payment by the number to each linear foot satisfactorily lined, complete in placed, as specified in Section 33 01 30.73 and will be paid for at the price bid per linear foot.

The final quantity may vary by more than 25% of the estimated quantity specified and General Conditions Document 00 72 00, Article 6.08 B & C with respect to adjustment of unit bid prices do not apply to work under this bid item.

**Bid Item No. SW-18**                      **LINE 8, & 12-INCH DIAMETER VCP OR ISP SEWER**  
**to SW-19**                                      **WITH CURED-IN-PLACE-LINER (CIPL)**

Lining of existing sewer with Cured-In-Place Liner (CIPL) will be measured horizontally along the centerline for payment by the number to each linear foot satisfactorily lined, complete in placed, as specified in Section 33 01 30.73 and will be paid for at the price bid per linear foot.

**Bid Item No. SW-20**                      **LINE 10-INCH DIAMETER VCP CULVERT  
WITH CURED-IN-PLACE-LINER (CIPL)**

Lining of existing culvert with Cured-In-Place Liner (CIPL) will be measured horizontally along the centerline for payment by the number to each linear foot satisfactorily lined, complete in place, as specified in Section 33 01 30.73 and will be paid for at the price bid per linear foot.

**Bid Item No. SW-21**                      **INTERNALLY RE-INSTATE SIDE SEWER AND CULVERTS  
IN LINED MAIN SEWER (CONDITIONAL BID ITEM)**

Internally reinstating connections in lined main sewers will be measured for payment by the number of each connection (regardless of size) satisfactory reinstated, as specified in Section 33 33 00 and 33 01 30.73, including all incidental work and will be paid for at the unit price bid therefor.

The final quantity may vary by more than 25% of the estimated quantity specified and General Conditions Document 00 72 00, Article 6.08.B & C with respect to adjustment of unit bid prices do not apply to work under this bid item.

**Bid Item No. SW-22**                      **CLEAN AND MORTAR EXISTING BRICK MANHOLE**

Cleaning and mortaring existing brick manhole with 1-inch thick single component microsilica enhanced fiber reinforced wet spray mortar will be measured for payment by the number of each satisfactorily completed in place as specified in Section 33 33 00 – Sanitary Sewerage Utilities will be paid for at the unit price bid therefor.

**Bid Item No. SW-23**                      **CONCRETE MANHOLE FOR 12-INCH TO 24-INCH  
DIAMETER SEWERS WITH FRAME AND COVER PER  
SFDPW STANDARD PLAN 87,181**

Concrete manhole for sewer pipe sizes 12-inch to 24-inch diameter with new frame and cover will be measured for payment by the number of each manhole satisfactorily constructed, complete in place, as specified in Section 33 33 00 – Sanitary Sewerage Utilities and will be paid for at the unit price bid therefor.

**Bid Item No. SW-24**                      **CONCRETE CATCH BASIN WITHOUT CURB INLET WITH  
NEW FRAME AND GRATING (PER SFDPW STD. PLAN  
87,188) AND CAST IRON WATER TRAP INCLUDING  
CLEANOUT CAP (PER SFDPW STANDARD PLAN 87,194)**

Concrete Catch Basin Without Curb Inlet and With New Frame and Grating, and Cast Iron Water Trap Including Cleanout Cap, including all Incidental Work, will be measured for payment by the number of each concrete catch basin and cast iron water trap satisfactorily constructed, complete in place, as specified in Section 33 33 00, and will be paid for at the Contract unit price each stated in the Schedule of Bid Prices.

Contractor shall furnish and install gravel base ASTM No. 57 for catch basin, 6-inches minimum thick layer, and extending 6-inches minimum all around from the edge of the catch basin concrete base, as incidental work, and as directed by the City Representative.



**Bid Item No. SW-25**                      **PRE-CONSTRUCTION TELEVISION INSPECTION OF MAIN SEWERS PRIOR TO ANY OTHER WORK (CONDITIONAL BID ITEM)**

Television inspection of existing main sewers specified by the City prior to any other work will be measured horizontally along the centerline for payment by the number to each linear foot satisfactorily televised prior to lining, as specified in Section 33 30 00, including all incidental work and will be paid for at the unit price bid therefor.

The final quantity may vary by more than 25% of the estimated quantity specified and General Conditions Document 00 72 00, Article 6.08 B & C with respect to adjustment of unit bid prices do not apply to work under this bid item.

**Bid Item No. SW-26**                      **TELEVISION INSPECTION OF EXISTING 6-INCH OR 8-INCH DIAMETER SIDE SEWERS AND 10-INCH DIAMETER CULVERTS WITHIN LIMITS SHOWN ON SW-DRAWINGS (CONDITIONAL BID ITEM)**

Television inspection of existing side sewer and culverts located within limits shown on SW-Drawings will be measured for payment by the number of each side sewer or culvert satisfactorily televised, as specified in Section 33 33 00 – Sanitary Sewerage Utilities, including all incidental work and will be paid for at the unit price bid therefore. Any sidewalk/curb restoration work required in order to TV lines from trap will be considered incidental work to this bid item.

Television inspection of existing side sewers within limits of open-cut replacement either by having a camera enter the side sewer from within the trench or having a camera enter the side sewer through the fresh air inlet.

The final quantity may vary by more than 25% of the estimated quantity specified and General Conditions Section 00 72 00, Article 6.08 B & C with respect to adjustment of unit bid prices do not apply to work under this bid item.

**Bid Item No. SW-27**                      **POST-COSNTRUCTION TELEVISION INSPECTION OF NEWLY COSNTRUCTED AND NEW LINED MAIN SEWERS**

Post-construction television inspection of main sewers conducted in accordance with National Association of Sewer Service Companies (NASSCO) Pipeline Assessment & Certification Program (PACP), as specified in Section 33 33 00 – Sanitary Sewerage Utilities, including all incidental work will be paid for at the unit price bid per linear foot.

**Bid Item No. SW-28**                      **POST-CONSTRUCTION TELEVISION INSPECTION OF NEWLY CONSTRUCTED SIDE SEWERS AND CULVERTS (CONDITIONAL BID ITEM)**

Post-construction television inspection of newly constructed side sewers and culverts satisfactorily performed, as specified in Section 33 33 00 – Sanitary Sewerage Utilities, including all Incidental Work will be paid for at the unit bid price.

The final quantity may vary by more than 25% of the estimated quantity specified and General Conditions Section 00 72 00, Article 6.08 B & C with respect to adjustment of unit bid prices do not apply to work under this bid item.

**Bid Item No. SW-29**                      **PLUG AND FILL EXISTING SEWER WITH SLURRY GROUT  
(CONDITIONAL BID ITEM)**

Plug and Fill existing sewers with slurry grout shall be measured for payment by the number of each cubic yard satisfactorily used, as specified in Section 302.04 and 302.06 of SFDPW Standard specifications and shall be paid for at the Contract Unit Price.

The final quantity may vary by more than 25% of the estimated quantity specified and General Conditions Document 00 72 00, Article 6.08 B & C with respect to adjustment of unit bid prices do not apply to work under this bid item.

**Bid Item No. SW-30**                      **ADJUST CITY-OWNED MANHOLE AND CATCH BASIN  
FRAME AND CASTING TO GRADE (CONDITIONAL BID  
ITEM)**

At locations of street resurfacing, the number and locations of manhole frames and catch basin 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.

Adjustment of existing manhole frames and catch basin and castings will be measured for each casting satisfactorily adjusted.

At locations of street base, parking strip, gutter, sidewalk, catch basin, manhole, and curb ramp construction/reconstruction, adjustment of manhole frames and catch basin 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.

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.

The final quantity may vary by more than 25% of the estimated quantity specified and General Conditions Section 00 72 00, Article 6.08 B & C with respect to adjustment of unit bid prices do not apply to work under this bid item.

**Bid Item No. SW-31**                      **EXPLORATORY HOLES OR POTHoles (CONDITIONAL BID ITEM)**

After utility facilities have been field marked, Contractor shall pothole to locate possible conflicts prior to installing the new drainage and sewer facilities as incidental work and shall only be compensated for additional potholes needed to 1) determine a new pipe alignment to avoid utility conflicts encountered through exploratory holes or to 2) locate underground facilities marked in the field that were not identified within the utility occupancy reference drawings.

Exploratory Holes or potholes for drainage and sewer work shown on SW-Drawings and as directed by the City Representative will be measured for payment by the cubic yard. Exploratory hole or pothole dimensions is typically 4 feet by 4 feet by 6 feet, but may vary in size.

This bid item includes full compensation for furnishing all labor, materials, tools, equipment and incidentals, required for demolition, excavation, earthwork, importing of backfill material as required, testing, restoration of existing surfaces, including asphalt and concrete pavement, and all Incidental Work required for providing test pits or potholes.

Payment for this Bid Item will be made at the Contract unit price per cubic yard, satisfactorily completed, as stated in the Schedule of Bid Prices.

The final quantity may vary by more than 25% of the estimated quantity and General Conditions Document 00 72 00, Article 6.08 B and C with respect to adjustment of unit bid prices do not apply to work under this bid item.

**Bid Item No. SW-32**                      **CONTROLLED DENSITY FILL BEDDING MATERIAL FOR WATER MAIN FACILITIES ENCOUNTERED WITHIN THE SEWER TRENCH PRIOR TO BACKFILL (CONDITIONAL BID ITEM)**

Control Density Fill (CDF) bedding material, as directed by City Distribution Division (CDD) Inspector, will be measured for payment by the number of cubic yard, satisfactorily used, as specified for AWSS and Water Mains in Sections 01 41 28, including all incidental work, and shall be paid for under this bid item.

The final quantity may vary by more than twenty-five percent (25%) and no adjustments to the bid prices will be made. Sections 6.08 B and C of the General Conditions will not apply to this bid item.

**Bid Item No. SW-33**                      **RECONSTRUCT PAVEMENT OUTSIDE OF SEWER "T" TRENCH WITH 8-INCH THICK CONCRETE BASE PER EXCAVATION REGULATIONS AS DIRECTED BY THE CITY REPRESENTATIVE (CONDITIONAL BID ITEM)**

8-inch thick concrete base will be measured for payment by the square foot outside the sewer trench limit as required per "Regulations for Excavation and Restoring Streets in San Francisco" or as directed by the City Representative, and will be paid for at the price bid per square foot. Saw-cutting and removal of existing concrete base, excavating, backfilling, preparation of subgrade to the proper grade, and compacting shall be considered as Incidental Work. Restoration of temporary pavement outside sewer trench and outside of base repair work limits

with temporary hot patch ACWS prior to resurfacing with final layer of asphalt concrete wearing surface shall be considered as Incidental Work.

The final quantity may vary by more than 25% of the estimated quantity specified and General Conditions Document 00 72 00, Article 6.08 B & C with respect to adjustment of unit bid prices do not apply to work under this bid item.

Bid Item No. **SW-34**                      3 ½-INCH THICK CONCRETE SIDEWALK RELATED TO  
MANHOLE ABANDONMENT AND SIDE SEWER  
EXTENSION WORK ON SIDEWALK

3½-Inch Thick Concrete Sidewalk will be measured for payment by the square foot as indicated on the plans, as specified in Section 32 13 13, will be paid for at the contract unit price.

Saw cutting and removal of existing concrete sidewalk, excavating, backfilling, preparing of subgrade to proper grade, compacting, removing tree roots as directed by the Bureau of Urban Forestry (BUF), **installing reinforced steel bars in accordance with SFDPW Standard Plan 96,608**, adjusting utility boxes in the sidewalk to finish grade, salvaging and reinstalling sidewalk plaques, grouting under and around street light poles and/or traffic signal poles, and the moving and reinstalling of mail boxes shall be considered as Incidental Work. Waterproofing required for sub-sidewalk basements shall be installed as incidental work.

Only concrete sidewalk shown on the Drawings will be measured for payment. Concrete sidewalk required for pavement work for trench restorations not shown on the Drawings shall be considered to be Incidental Work.

Restoration of building corners and stairways 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, shall be considered as Incidental Work.

When concrete sidewalk is to be thickened at an edge in order to match the depth of a thicker adjacent pavement section or at the end of a sidewalk, the thickened portion of the pavement shall be considered as Incidental Work. Thickened concrete sidewalk at driveways shall be considered as Incidental Work.

Bid Item No. **SW-35**                      ASPHALT CONCRETE (TYPE A ½-INCH MAXIMUM WITH  
MEDIUM GRADING)

Asphalt Concrete paving shall 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 job 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.

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 stated in the bid schedule for the computed quantities as determined by the measurement method specified above.

Restoration of temporary pavement within sewer T-trench with hot patch ACWS will not be measured for payment and shall be done as Incidental Work.

**Bid Item No. SW-36**                      **FULL DEPTH PLANING PER 2-INCH DEPTH OF CUT**

Full Depth Planning Per 2-Inch Depth of Cut shall be measured for payment as followings:

1. Full depth planning per 2-inch depth of cut will be measured by square foot of grinding work 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 payment for the inlet or other casting area itself.

Full depth planning per 2-inch depth of cut will be paid for at the Contract unit price stated in the bid schedule for the computed quantities as determined by the measurement method specified above.

**Bid Item No. SW-37**                      **4-INCH AND 6-INCH WIDE CONCRETE CURB RELATED TO  
SIDE SEWER EXTENSION WORK**

4-Inch and 6-Inch Wide Concrete Curb, including dropped curbs at driveways will be measured for payment by the actual length in linear feet of concrete curb measured 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.

4-Inch and 6-Inch Wide Concrete Curb, constructed at the back of sidewalk to keep existing landscape in-place, will be measured for payment by the actual length in linear feet of concrete curb measured 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.

Saw cutting, removal, and disposal of existing concrete curb, excavating, backfilling, form work, preparation of subgrade to proper grade, and compacting will be considered as Incidental Work. This Bid Item will not include the curb in combined curb and gutter.

The City Representative may determine exact locations of curb work, and may increase or decrease measurements shown on the Drawings or establish new curb work in the field.

**Bid Item No. SW-38**                      **COMBINED 6-INCH WIDE CONCRETE CURB AND 2-FOOT  
WIDE CONCRETE GUTTER RELATED TO SIDE SEWER  
EXTENSION WORK**

Combined 6-Inch Wide Concrete Curb and 2-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, as specified in Section 32 13 13, 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.

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.

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. SW-39                      SPEED HUMP**

Hot mix asphalt (HMA) Speed Hump shall be measured for payment by the number of speed humps constructed.

HMA Speed Hump includes full compensation for sawcutting and milling of existing pavement, placing materials, all equipment, labor, tools and incidentals to satisfactorily construct speed hump in place as specified in Section 32 17 19.

Separate payment is made for temporary pavement markings applied to speed hump.

**Bid Item No. SW-40                      TEMPORARY PAVEMENT MARKINGS**

All temporary tape traffic stripes and pavement markings including arrows, and word messages will be measured by linear feet as shown on the plans and/or as installed in the field. Four-inch (4") broken traffic stripes will be measured in linear feet including the gaps.

The four inch stripe will be the basis of measurement of wider temporary pavement markings such as 12-inches stop bars, 8-inches stripe, etc., and the total length will be measured as a four-inch stripe.

Temporary overlay pavement markers will be measured by the unit from the actual count layout in the field or ordered by the City Representative.

The contract unit price paid for temporary Traffic stripe, pavement markings and 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 traffic stripes, markings, and markers.

Temporary stripe and temporary overlay markers 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%. No additional compensation will be paid in maintaining all temporary traffic stripes, and pavement markings.

**Bid Item No. SW-41                      8-INCH THICK CONCRETE PARKING STRIP OR GUTTER**

8-Inch Thick Concrete Parking Strip or Gutter will be measured for payment by the actual area in square feet concrete parking strip 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 square foot stated in the Schedule of Bid Prices.

Saw cutting, removal and disposal of existing concrete pavement, parking strip, gutter, 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.

The City Representative may determine exact locations of concrete pavement, parking strip or gutter work, and may increase or decrease measurements shown on the Drawings or establish new concrete parking strip or gutter work in the field.

When the new concrete parking strip or gutter 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. SW-42                      10-INCH THICK CONCRETE BUS PAD (6,000 PSI)**

10-Inch Thick Concrete Bus Pad will be measured for payment by the actual area in square feet of concrete bus pad constructed, measured to the limits along the face of curb by the width shown on the Drawings, as specified in Section 32 13 13, and will be paid for at the Contract unit price per square foot stated in the Schedule of Bid Prices.

Concrete bus pad shall be constructed in accordance with SFPW Standard Plan 96,607 revision 2.

Saw cutting, removal and disposal of existing roadway base (concrete/asphalt/other), furnishing, placement and installation of dowel bars, compacting, and adjustment of manhole and catch basin frames and castings to new grade will be considered as Incidental Work.

When 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. SW-43                      TRANSPORTATION OF SURPLUS CALIFORNIA CLASS I  
(NON-RCRA) HAZARDOUS WASTE (SOILS) TO A CLASS I  
DISPOSAL FACILITY**

The transportation of surplus California Class I (non-RCRA) hazardous waste (soils) to a California Class I landfill or out-of-state equivalent for disposal. Any excavated and surplus existing soil or excavated and unsuitable existing soil for reuse as backfill or other hazardous materials, found to be California Class I (non-RCRA) hazardous waste shall be disposed of at a permitted a California Class I landfill or out-of-state equivalent.

Handling and transportation of existing soil within the project site or to the Contractor's intermediate staging area is incidental work and not covered by this bid item.

Transportation costs shall include all transportation, and other incidentals such as compliance with transportation regulations, scheduling, staging, loading and unloading times and fees, covering of trucks, preparation of hazardous waste manifests, multiple handling and loading, tractor and truck stand-by and idle times, transportation round trip times and rates, load charges, and delays or demurrage due to such scheduling.

Payment for this Bid Item will be made at the Contract Unit Price per US short ton as indicated in the Schedule of Bid Prices. For payment, the Contractor shall submit a copy of the fully signed hazardous waste manifests forms, as well as the weight tickets.

Asphalt, concrete, aggregate base, vegetation, debris, wood, obstructions, and other organic, unsound or deleterious matter shall be excavated separately from the soil layer and shall not

be include in this bid item. The Contractor shall remove such materials prior to the transportation and disposal of soils.

The removal, management, transportation, and disposal of asphalt, concrete, aggregate base, vegetation, debris, wood, obstructions, and other organic, unsound, or deleterious matter shall be incidental to its respective bid items.

Soils of different waste disposal classification shall be segregated when excavated, managed, transported, and disposed separately with no mixing of the different types of wastes.

**Bid Item No. SW-44                      DISPOSAL OF SURPLUS CALIFORNIA CLASS I (NON-RCRA) HAZARDOUS WASTE (SOILS) TO A CLASS I DISPOSAL FACILITY**

The disposal of surplus California Class I (non-RCRA) hazardous waste (soils) to a California Class I landfill or out-of-state equivalent. Any excavated and surplus existing soil or excavated and unsuitable existing soil for reuse as backfill or other hazardous materials, found to be California Class I (non-RCRA) hazardous waste shall be disposed of at a permitted a California Class I landfill or out-of-state equivalent.

Disposal costs shall include all disposal costs such as the waste approval process, preparation of waste acceptance forms, weighing of the material, loading and unloading times, dump fees and taxes, profiling costs, landfill fees, and other incidentals.

Dump fees and taxes shall include (as applicable) all tipping fees, gate fees, county and local taxes, landfill recovery fee, landfill environmental & surcharge fee, and the CA Board of Equalization (BOE) Hazardous Waste Land Disposal fee. The CA Board of Equalization (BOE).

Hazardous Waste generator fee (if applicable) will be paid by the City, and is not to be included in this bid item.

Payment for this Bid Item will be made at the Contract Unit Price per US short ton as indicated in the Schedule of Bid Prices. For payment, the Contractor shall submit a copy of the fully signed hazardous waste manifests forms, as well as the weight tickets.

Asphalt, concrete, aggregate base, vegetation, debris, wood, obstructions, and other organic, unsound or deleterious matter shall be excavated separately from the soil layer, and shall not be include in this bid item. The Contractor shall remove such materials prior to the transportation and disposal of soils.

The removal, management, transportation, and disposal of asphalt, concrete, aggregate base, vegetation, debris, wood, obstructions, and other organic, unsound, or deleterious matter shall be incidental to its respective bid items.

Soils of different waste disposal classification shall be segregated when excavated, managed, transported, and disposed separately with no mixing of the different types of wastes.



**Bid Item No. SW-45**      **TRANSPORTATION OF SURPLUS NON-HAZARDOUS SOILS (CLASS II & III) CALIFORNIA DESIGNATED WASTE (SOILS) TO A CLASS II & III DISPOSAL FACILITY**

Transportation of surplus non-hazardous soils (Class II & III) California Designated Waste (soils) at a permitted and certified landfill or an out-of-state equivalent. Any excavated and surplus existing soil or excavated and unsuitable existing soil for reuse as backfill or other hazardous materials, found to be non-hazardous soils (Class II & III) California Designated Waste shall be disposed of at a permitted a California Class II & II landfill or out-of-state equivalent.

Handling and transportation of existing soil within the project site or to a Contractor's intermediate staging area is incidental work and not covered by this bid item.

Transportation costs shall include all handling, transportation, and other incidentals such as compliance with transportation regulations, scheduling, staging, loading and unloading times and fees, covering of trucks, preparation of non-hazardous waste manifests, multiple handling and loading, tractor and truck stand-by and idle times, transportation round trip times and rates, load charges, and delays or demurrage due to such scheduling.

Payment for this Bid Item will be made at the Contract Unit Price per US short ton as indicated in the Schedule of Bid Prices. For payment, the Contractor shall submit a copy of the fully signed non-hazardous waste manifests forms, as well as the weight tickets.

Asphalt, concrete, aggregate base, vegetation, debris, wood, obstructions, and other organic, unsound or deleterious matter shall be excavated separately from the soil layer, and shall not be include in this bid item. The Contractor shall remove such materials prior to the transportation and disposal of soils.

The removal, management, transportation, and disposal of asphalt, concrete, aggregate base, vegetation, debris, wood, obstructions, and other organic, unsound, or deleterious matter shall be incidental to its respective bid items.

Soils of different waste disposal classification shall be segregated when excavated, managed, transported, and disposed separately with no mixing of the different types of wastes.

**Bid Item No. SW-46**      **DISPOSAL OF SURPLUS NON-HAZARDOUS SOILS (CLASS II & III) CALIFORNIA DESIGNATED WASTE (SOILS) TO A CLASS II & III DISPOSAL FACILITY**

Disposal of surplus non-hazardous soils (Class II & III) California Designated Waste (soils) at a permitted landfill or an out-of-state equivalent. Any excavated and surplus existing soil or excavated and unsuitable existing soil for reuse as backfill or other materials, found to be non-hazardous soils (Class II & III) California Designated Waste shall be disposed of at a permitted a California Class II & III landfill or out-of-state equivalent.

Disposal costs shall include all disposal costs such as the waste approval process, preparation of waste acceptance forms, weighing of the material, loading and unloading times, dump fees and taxes, profiling costs, landfill fees, and other incidentals. Dump fees and taxes shall include (as applicable) all tipping fees, gate fees, county and local taxes, landfill recovery fee, and landfill environmental & surcharge fee.

Payment for this Bid Item will be made at the Contract Unit Price per US short ton as indicated in the Schedule of Bid Prices. For payment, the Contractor shall submit a copy of the fully signed non-hazardous waste manifests forms, as well as the weight tickets.

Asphalt, concrete, aggregate base, vegetation, debris, wood, obstructions, and other organic, unsound or deleterious matter shall be excavated separately from the soil layer, and shall not be include in this bid item. The Contractor shall remove such materials prior to the transportation and disposal of soils.

The removal, management, transportation, and disposal of asphalt, concrete, aggregate base, vegetation, debris, wood, obstructions, and other organic, unsound, or deleterious matter shall be incidental to its respective bid items.

Soils of different waste disposal classification shall be segregated when excavated, managed, transported, and disposed separately with no mixing of the different types of wastes.

Bid Item No. **SW-47** CASH ALLOWANCE FOR EXCAVATION PERMIT FEE  
ASSESSED BY BSM (PER ARTICLE 2.4 OF THE PUBLIC  
WORKS CODE) AND PLUMBING PERMIT FEE ASSESSED  
BY DBI

A Cash Allowance amount will be paid as directed by the City Representative for excavation permit fee assessed by the Bureau of Street Use & Mapping (BSM) per Article 2.4 of the Public Works Code as specified in Section 01 41 15 and plumbing permit fee assessed by Department of Building Inspection (DBI). Contractor shall be paid the actual permit fee amount. Contractor's "other costs", including equipment handling, unloading, cleaning, storage, installation labor, administration, supervision, overhead and profit, shall be included in Contractor's base bid outside of this cash allowance, and will not be reimbursed under this cash allowance. All costs associated including, but not limited to, signage material, printing, labor, etc., related to the No-Parking signage requirements as part of the excavation permit issued by DPW BSM are incidental. Contractor will not be reimbursed for these costs.

Bid Item No. **SW-48** CONTINGENCY ALLOWANCE FOR UNFORSEEN  
ENVIRONMENTAL WORK

A Contingency Allowance amount will be paid as directed by the City Representative for Unforeseen Environmental Work. It is possible that some, all, or none of the allowance amount may be used.

This allowance is for work associated with the discovery unforeseen hazardous materials and its additional environmental testing, other unforeseen environmental work, and the transportation and disposal of surplus contaminated soils and excavated materials beyond bid quantities (that is not covered by the Contract as determined by the City Representative only).

The unused portion of the cash allowance shall be credited to the City.

Any unforeseen excavated and contaminated surplus existing soil or excavated and contaminated unsuitable existing soil for reuse as backfill shall be properly transported and disposed of at a permitted landfill or out-of-state equivalent, or a reuse facility and will be measured and paid based on the unit US ton.

Disposal costs shall include all disposal costs such as the waste approval process, preparation of waste acceptance forms, treatment of the material, weighing of the material, loading and unloading times, dump fees and taxes, profiling costs, landfill fees, and other incidentals. For payment, the Contractor shall submit copies of the fully signed non-hazardous or hazardous waste manifests forms, as well as the weight tickets.

Dump fees and taxes shall include (as applicable) all tipping fees, gate fees, county and local taxes, landfill recovery fee, landfill environmental & surcharge fee, and the CA Board of Equalization (BOE) Hazardous Waste disposal fee. The CA Board of Equalization (BOE) Hazardous Waste generator fee (if applicable) will be paid by the City, and is not to be included in this bid item.

Transportation costs shall include all handling, transportation, and other incidentals such as compliance with transportation regulations, scheduling, staging, loading and unloading times and fees, covering of trucks, preparation of hazardous or non-hazardous waste manifests, multiple handling and loading, tractor and truck stand-by and idle times, transportation round trip times and rates, load charges, and delays or demurrage due to such scheduling.

Handling, stockpiling, and transportation of excavated soil within the project site or to the Contractor's intermediate staging area is incidental work and not covered by this bid item.

Asphalt, concrete, aggregate base, vegetation, debris, wood, obstructions, and other organic, unsound or deleterious matter shall be excavated separately from the soil layer, and shall not be include in this bid item. The Contractor shall remove such materials prior to the transportation and disposal of soils.

The removal, management, transportation, and disposal of asphalt, concrete, aggregate base, vegetation, debris, wood, obstructions, and other organic, unsound, or deleterious matter shall be incidental to its respective bid items.

Soils of different waste disposal classification shall be segregated when excavated, managed, transported, and disposed separately with no mixing of the different types of wastes.

**Bid Item No. SW-49**                      **CONTINGENCY ALLOWANCE TO PERFORM NECESSARY  
WORK DUE TO UNFORESEEN CONDITIONS RELATED TO  
SEWER WORK**

A Contingency Allowance amount will be paid as directed by the City Representative for performance of work necessary due to unforeseen conditions related to sewer work. Pricing and procedural matters for this Allowance work will be governed by Article 6 of the General Conditions, Section 00 72 00.

The following work shall be done as Incidental Work:

1. Investigating, locating by dye-testing, abandoning inactive side sewers, if any, and rodding of side sewers.
2. The channelization of cunette of new manholes and existing manholes as necessary.

3. Dewatering and groundwater control.
4. Connections to and between sewers, side sewers, structures and culverts.
5. Cleaning existing sewers by flushing with high velocity hydro-cleaning equipment prior to excavation and removal.
6. Soil sampling.
7. High velocity hydro-clean existing active and new side sewers and culverts immediately prior to television inspection.
8. High velocity hydro-clean main sewers immediately prior to television inspection.
9. Removing and/or abandoning existing sewers, manholes and structures.
10. Furnishing and installing damaged and missing cast iron water traps and cleanout caps in existing catch basins.
11. Cleaning and disposing of waste materials inside existing catch basins and storm water inlets located within the project limit and to remain.
12. Furnishing and installing cleanout caps for existing cast iron water trap in catch basins to remain.
13. Wye fittings used for side sewer lateral connections.
14. Extension of side sewer to make proper connections to the new pipe within the main sewer trench.
15. Saw cutting, removing, and disposing of the existing pavement.
16. Street excavation, backfilling and compaction, satisfactorily performed.
17. Restoration of temporary pavement within sewer T-trench with hot patch ACWS.
18. Restoration of concrete base in T-trench, parking strip, concrete curb, concrete sidewalk, median islands, traffic islands, and landscaping within the sewer trench to pre-construction conditions unless otherwise noted on the plans.
19. Restoration of pavement, speed hump, parking strip, curb, sidewalk, landscaping and driveway damaged by the Contractor or caused to be damaged due to the Contractor's defective shoring system will be done by the Contractor at his/her own expense.
20. Restoration of sidewalk due to manhole abandoning.

21. Filling of excess saw cut lines on the pavement with sealant.
22. Furnishing and installing gravel base ASTM No. 57 for sewer work.
23. All costs of work in the remaining portions of Section 31 23 33 – Trenching and Backfilling, 32 12 16 – Asphalt Paving, and 33 33 00 – Sanitary Sewerage Utilities shall be included in the items of the bid schedule to which such work is appurtenant.
24. At locations of street base reconstruction, base repair, or concrete street reconstruction, adjustment of castings to new grade will be considered to be Incidental Work and the number of castings to be adjusted will not be measured for the payment.
25. Prior to plugging and filling, Contractor shall provide a television inspection of existing sewer to locate active side sewers.
26. Plug existing side sewers and culverts.
27. Preparation of subgrade for paving to proper grade, including excavation, backfilling, and compacting shall be considered Incidental to the pavement restoration work.
28. Spray paint to be provided by Contractor to the City Representative to make all necessary markings at the project site.
29. Bypassing main sewer and side sewer flow as necessary. Methods of maintaining existing flow may include, but is not limited to, temporary installations and removal of crosses, tees, and flexible pipe.
30. Preserving Survey Monuments per City Order No. 178,940.
31. Reestablishing City Survey Monuments per City Order No. 178,940, if disturbed, and for which a bid item has not been provided.
32. Furnishing and installing AASHTO M288, Class 2, Non-Woven Geotextile Fabric.
33. Supporting and working around existing Governmental utilities, including but not limited to, San Francisco Water Department (SFWD), Auxiliary Water Supply System (AWSS), etc., encountered within the limits of the sewer trench, unless otherwise noted in the Contract Documents.
34. Furnishing As-Built Drawings.

35. Furnishing television sewer inspection DVDs to the City.
36. Furnishing and installing eccentric reducers as needed
37. Furnishing and installing pipe to pipe connections using mechanical shear band repair couplings.
38. Demolishing existing speed humps.

**Bid Item No. R-1 MOBILIZATION**

Mobilization for all work in the contract will be paid based on the entire contract amount, not individual locations. Excavation and Plumbing Permit Fee shall not be allowed to be included under this Bid Item “Mobilization” and will be paid under Bid Item SW-47.

Under mobilization, when the City Representative is satisfied that the Contractor is diligently pursuing commencement of work as stipulated in Section 01 21 50 will be paid 100% of the amount set aside in the Bid Form.

Any extension of the Contract Time that may be granted will not of itself constitute grounds for a claim for additional payment under the Bid item “Mobilization”.

**Bid Item No. R-2 DEMOBILIZATION FOR ROADWAY WORK**

Demobilization for all work in the contract will be paid based on the entire contract amount, not individual locations.

Under demobilization, when the City Representative is satisfied that the Contractor is diligently pursuing commencement of work as stipulated in Section 01 21 50 will be paid 100% of the amount set aside in the Bid Form.

Any extension of the Contract Time that may be granted will not of itself constitute grounds for a claim for additional payment under the Bid Item “Demobilization”.

**Bid Item No. R-3 HOT MIX ASPHALT (TYPE A ½-INCH MAXIMUM WITH MEDIUM GRADING)**

A. Hot Mix Asphalt paving shall 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 hot mix asphalt placed.
2. Obtain the signature of the City Representative on the load tag for each load dumped on the job 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. Hot Mix Asphalt (Type A, ½-Inch Medium Grading) installed and all necessary and/or required equipment and labor to install including trucking, as specified in Section 32 12 16 will be paid for at the Contract unit price stated in the bid schedule for the computed quantities as determined by the measurement method specified above.

**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 measured to the limits indicated on the Drawings, as specified in Section 32 13 13 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, compacting, and adjustment of manhole and catch basin frames and castings to new 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 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.
- E. Measurement for subject bid item is for base repair outside of any sewer trench and water trench restoration area. Trench restoration for utility line is paid under utility line replacement.

**Bid Item No. R-5**                      **3 ½-INCH THICK CONCRETE SIDEWALK**

- A. 3 ½-Inch Thick Concrete Sidewalk will be measured for payment by the square foot to the limits indicated on the plans, as specified in Section 32 13 13, will be paid for at the Contract unit price per square foot stated in the Schedule of Bid Prices.
- B. Saw cutting and removal of existing concrete sidewalk and surplus excavated earth, excavating, backfilling, preparing of subgrade to proper grade, compacting, removing tree roots as directed by the Bureau of Urban Forestry (BUF), installing reinforced steel bars in accordance with SFPW Standard Plan 96,608 revision 1, adjusting utility boxes in the sidewalk to finish grade, salvaging and reinstalling sidewalk plaques, and grouting under and around street light poles and/or traffic signal poles shall be considered as Incidental Work. Waterproofing required for sub-sidewalk basements shall be installed as Incidental Work.
- C. Only concrete sidewalk shown on the Drawings will be measured for payment. Concrete sidewalk required for pavement work for trench restorations not shown on the Drawings shall be considered to be Incidental Work.

- D. Restoration of building corners and stairways 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, shall be considered as Incidental Work.
- E. When concrete sidewalk is to be thickened at an edge in order to match the depth of a thicker adjacent pavement section or at the end of a sidewalk, the thickened portion of the pavement shall be considered as Incidental Work. Thickened concrete sidewalk at driveways shall be considered as Incidental Work.

**Bid Item No. R-6**                      **EXPOSED AGGREGATE SIDEWALK WITH BRICK BORDER**

- A. Exposed Aggregate Sidewalk with Brick Border will be measured for payment by the square foot to the limits indicated on the plans will be paid for at the Contract unit price per square foot stated in the Schedule of Bid Prices.
- B. Saw cutting and removal of existing concrete sidewalk, excavating, backfilling, preparing of subgrade to proper grade, compacting, removing tree roots as directed by the Bureau of Urban Forestry (BUF), installing reinforced steel bars in accordance with SFPW Standard Plan 96,608 revision 1, adjusting utility boxes in the sidewalk to finish grade, salvaging and reinstalling sidewalk plaques, grouting under and around street light poles and/or traffic signal poles, and the moving and reinstalling of mail boxes shall be considered as Incidental Work. Waterproofing required for sub-sidewalk basements shall be installed as incidental work.
- C. Only concrete sidewalk shown on the Drawings will be measured for payment. Concrete sidewalk required for pavement work for trench restorations not shown on the Drawings shall be considered to be Incidental Work.
- D. Restoration of building corners and stairways 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, shall be considered as Incidental Work.
- E. When concrete sidewalk is to be thickened at an edge in order to match the depth of a thicker adjacent pavement section or at the end of a sidewalk, the thickened portion of the pavement shall be considered as Incidental Work. Thickened concrete sidewalk at driveways shall be considered as Incidental Work.

**Bid Item No. R-7**                      **RESET EXISTING GRANITE CURB (CONDITIONAL BID ITEM)**

- A. Reset Existing Granite Curb will be measured for payment by the linear foot along the face of curb, and will be paid for at the Contract unit price. The bid item shall include removal of the existing granite curb slabs, cleaning of granite, excavation, backfill and compaction of subgrade and resetting granite to proper grade.
- B. The City Representative may determine exact locations of existing granite curb to be reset, and may increase or decrease measurements shown on the Drawings or establish additional sections of existing granite curb to be reset in the field.



**Bid Item No. R-8**                      **COMBINED 6-INCH WIDE CONCRETE CURB AND 2-FOOT  
OR 2-FOOT 10-INCH WIDE GUTTER**

- A. Combined 6-Inch Wide Concrete Curb and 2-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, as specified in Section 32 13 13, 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, removal of surplus excavated earth, and adjustment of manhole and catch basin frames and castings to new grade as shown on the Drawings shall 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-9**                      **CONCRETE CURB RAMP WITH CONCRETE DETECTABLE  
SURFACE TILES**

- A. Concrete Curb Ramp will be measured for payment by the number of each concrete curb ramp constructed, which includes the ramp, wings, warning bands, and cutting and installing concrete detectable surface tiles, as specified in Sections 32 13 13 and 32 17 34, will be paid for at the Contract unit price each stated in the Schedule of Bid Prices.
- B. Saw cutting, removal and disposal of existing concrete sidewalk, curb and curb ramps for the construction and/or reconstruction of curb ramps, excavating, backfilling, survey work, form work, preparation of subgrade to proper grade, compacting, adjusting and/or tilting of catch basin frame and grating, relocating chain link fence, adjusting and/or rotating utility boxes in the sidewalk and/or gutter to finish grade, grouting under and around street light poles and/or traffic signal poles will be considered as Incidental Work.
- C. Providing existing elevations at gutter conforms on the as-built drawings will be considered as Incidental Work.

**Bid Item No. R-10**                      **ADJUST CITY-OWNED HYDRANT AND WATER MAIN  
VALVE BOX CASTING COVER TO GRADE (CONDITIONAL  
BID ITEM)**

- 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 Contract 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 32 17 53 – Adjustment of Frames and Castings.

- C. At locations of street base, parking strip, gutter, sidewalk, and curb ramp construction/reconstruction, adjustment of hydrant and water main valve box casting to new grade will be considered to be Incidental Work, and the number of castings to be adjusted will not be measured for payment.
- D. This Bid Item will be paid 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.

**END OF SECTION**