

# ATTACHMENT R



## BUREAU OF ENGINEERING

# BID EVALUATION WORKBOOK INSTRUCTIONS

**City of Los Angeles  
California**

Department of Public Works  
Bureau of Engineering



## **RPRFP1 Bid Evaluation Workbook Instructions**

The bid evaluation workbook is used to objectively evaluate each Contractor's bid price for the work anticipated to be executed under the RPRFP1 contract. Enclosed is the bid evaluation workbook for the RPRFP1 contract. The workbook: "RPRFP1 BID EVALUATION WORKBOOK" is a blank bid evaluation workbook that the Contractor shall use to submit all bid item prices.

The workbook contains the following individual worksheets separated by tabs to compile the total bid price:

1. SCHEDULE OF WORK AND PRICES – all work under the RPRFP1 contract and location of where to input bid amounts.
2. FACTORS – a tabulated bid item quantity breakdown & sample distribution of the work
3. SUMMARY BID ITEMS – a summary of all bid items and the total contract bid price

The "FACTORS" worksheet contains a sample scope of work, which is derived from historical data of the City's pedestrian facility repair programs for the sole purpose of comparing all submitted bids to determine the lowest bidders.

The "SCHEDULE OF WORK AND PRICES" worksheet applies the unit prices bid by each Contractor to the fixed quantities generated in the "FACTORS" worksheet to create a price. Once the bid item unit prices are entered by the Contractor into the "SCHEDULE OF WORK AND PRICES" worksheet, the "SUMMARY BID ITEMS" worksheet will automatically compile all bid item prices and calculate the total bid price.

## **RPRFP1 Bid Evaluation Workbook Instructions**

All cells within the bid evaluation workbook are locked and can't be modified, with the exception of the cells used for entering bid item unit prices. After entering the bid item unit prices into the cells, the workbook shall be printed and submitted as the Contractor's Bid Proposal.

### **EXAMPLES**

#### **Example 1:**

1. Open the "SCHEDULE OF WORK AND PRICES" worksheet
2. Find the "REMOVE, CONCRETE DRIVEWAY UP TO 6-INCH THICK", line item.
3. Enter \$10 per square foot

BID ITEM	UNIT PRICE	TOTAL
REMOVE, CONCRETE DRIVEWAY UP TO 6-INCH THICK	\$10.00	\$242,900.00

4. The worksheet generates a line item subtotal of \$ 242,900.00

The line item subtotal is generated using the distribution of work data located in the "FACTORS" worksheet. Under Removals, the distributions of the work as shown in the worksheet are as follows:

- 1) 200,000 square feet is the total of the sample scope of work.
- 2) Of the 320,000 square feet, 34,700 square feet (17.35%) of the work is "Concrete Driveway Removals".
- 3) Of the 34,700 square feet, 24,290 square feet (70%) of "Driveway Removals" work is CONCRETE DRIVEWAY UP TO 6-INCH THICK".
- 4) The line item subtotal is then generated by taking the bid unit price entered and multiplying it with the corresponding quantity as described in bullet point 3) above.

#### **Example 2:**

1. Open the "SCHEDULE OF WORK AND PRICES" worksheet
2. Find the "CONSTRUCT, UNI-DIRECTIONAL CURB RAMP" section and enter \$20,000 per ramp.

**RPRFP1 Bid Evaluation Workbook Instructions**

BID ITEM	UNIT PRICE	TOTAL
CONSTRUCT, UNI-DIRECTIONAL CURB RAMP	\$20,000.00	\$6,000,000.00

3. The worksheet generates a line item subtotal of \$ \$6,000,000.00.

The line item subtotal is generated using the distribution of work data located in the "SCHEDULE OF WORK AND PRICES" worksheet. The distribution of the work as shown in the "SCHEDULE OF WORK AND PRICES" worksheet are as follows:

- 1) 200,000 square feet is the total sample scope of work.
- 2) Of the 200,000 square feet, 1,000 each (0.5%) of the project is Construct, Curb Ramp (Including DWS).
- 3) Of the 1,000 curb ramps, 300 curb ramps (30%) are Uni-Directional Curb Ramps.
- 4) The line item subtotal is then generated by taking the bid unit price entered and multiplying it with the corresponding quantity as described in bullet point 3) above.

## **METHODOLOGY FOR DETERMINING BID PRICES**

The Contractor's bid unit prices for the RPFRP1 contract are based on an aggregate sample scope of work 200,000 square feet of sidewalk repair. This aggregate sample scope of work will be distributed between the contractors on the Rapid Sidewalk Repair Program (RPFRP1) pre-qualified contractors list and the distribution of the sample scope of work may not be equally divided.

Each Bid Item may be used as a stand-alone bid item. The estimated aggregate bid amount generated by the "RPFRP1 Bid Evaluation Workbook" for the sample scope of work is solely for the purposes of comparing all submitted bids to determine the lowest bidder(s). The actual scope of work may vary.

The lowest responsive and responsible bidder(s) shall be the Contractor(s) bid that yields the lowest cost for the anticipated contract scope of work as outlined below.

One or more Contractors shall be selected based on the bid item unit costs submitted in the bid evaluation workbook.

For a detailed description of the formulae and calculations utilized to generate the costs to be used in the evaluation of the bids, refer to the "Bid Evaluation Workbook". Please reference the Bid item Descriptions in General Requirements Section 01280 Measurement And Payment as well as attached below for reference.

## **SECTION 01280 MEASUREMENT AND PAYMENT**

### **PART 1 - GENERAL**

#### **1.01 PAYMENT**

- A. Upon Contract award, the accepted Schedule of Work and Prices shall become the Payment Schedule. Payment for Work under the Contract shall be made at the unit prices listed in the Payment Schedule. For lump sum bid items, payment shall be made in accordance with Section 01298.
- B. Payment for the measured quantities of Work performed shall be considered full compensation for all of the CONTRACTOR's costs associated with the performance of the Work. These costs comprise direct labor, materials, tools, equipment, transportation, supplies, incidentals, and subcontract Work; and indirect costs such as field and home office overhead, consulting and design services, establishment, operation and removal of general plant, taxes, insurance, permits, bond, profit, and contingencies for the performance of all Work specified.
- C. The costs for conforming to the requirements for measuring quantities shall be considered included in the fixed, unit, or lump-sum prices paid for the quantities being measured, and no additional compensation will be made therefore.
- D. Except for items subject to the Variation in Quantities clause, the unit prices listed in the Payment Schedule shall be applicable for calculating the amount payable under each item of the Schedule. Estimated quantities indicated in the Payment Schedule are for bidding purposes only. Payment will be determined by actual measured quantities of the Work installed/performed as verified by the INSPECTOR.
- E. Work specified or shown on the drawings for which the Payment Schedule does not provide a separate lump sum or unit price is considered incidental and is not separately paid. The cost for such Work is compensated in the prices bid for other Work items and no additional compensation shall be allowed.

#### **1.02 MEASUREMENT OF QUANTITIES**

- A. Measure quantities in accordance with standard industry practice and as specified herein. The CITY will verify measurements. Measure quantities to the nearest whole number of units. Round down fractional units less than one-half; round up fractional units one-half or greater.
  - 1. Measure areas in two mutually perpendicular axes in the plane of the surface being measured.
  - 2. Measure linear quantities along the longitudinal centerline of the item, except as otherwise specified.
- B. Measurement of a lump sum item shall be for the entire item, unit of Work, structure, or combination thereof, as listed or indicated in the Payment Schedule, except as otherwise specified. Progress payments for lump sum items in the Payment Schedule shall be made in accordance with Section 01298. The apportionment for each lump sum items shall show measurable quantities and unit prices allocated to the different features of the Work and major subdivisions thereof. The summation of the extensions of quantities and unit prices

and related costs shall equal the amount of the lump sum bid item indicated in the Payment Schedule.

- C. Determine quantities of Work performed for payment purposes and submit them to the INSPECTOR for approval. Assist the INSPECTOR in the taking of measurements by providing equipment, workers, and survey crews as required to verify quantities in accordance with the provisions for measurement specified herein.

### 1.03 REJECTED, EXCESS, AND WASTED MATERIALS

- A. The following shall not be measured for payment:

1. Quantities of material wasted or otherwise disposed.
2. Rejected loads of material, including material rejected after it has been placed for failure to comply with specified requirements.
3. Material remaining on the transporting vehicle or in the pipeline.
4. Muck material not removed from designated location.
5. Material placed outside specified or indicated lines or limits.
6. Material not incorporated into the Work.
7. Material remaining on hand after completion of the Work.

- B. No payment will be made for loading, hauling, and disposing of rejected material.

### 1.04 PAYMENT SCHEDULE FOR RAPID PEDESTRIAN FACILITY REPAIR PROGRAM

#### BID ITEM 1: MOBILIZATION AND DEMOBILIZATION (PER SITE)

The unit price for "Mobilization & Demobilization" shall include, but is not limited to, all costs for delivering and removing all materials, equipment, tools and labor to and from a single work area except as provided below. The contractor shall receive the mobilization and demobilization payment once for each construction order issued, with the following exceptions:

If the Contractor is assigned up to four consecutive construction sites by the Engineer within a 1.5-mile radius, the sites shall be executed jointly with a single mobilization payment. Payment for mobilization and demobilization shall be made as a single unit for the jointly executed sites.

1. The Work shall include Mobilization in accordance with Section 01721 MOBILIZATION of the GENERAL REQUIREMENTS including but not limited to:
  - a. The movement of personnel, equipment, supplies and incidentals to the project sites.
  - b. Temporary laydown area and obtaining all permits and clearance requirements to secure and utilize the laydown area
  - c. The establishment of field offices, parking, utilities and other facilities at the Work Area Sites for the CITY and the CONTRACTOR, as specified in Section 01721.

- d. Requesting the Los Angeles Department of Transportation for “no parking” permits and signages.
  - e. Distributing Notice to Residents prior to the start of construction.
  - f. Applying for permits (if applicable) and coordinating work with other agencies such as LADOT, CALTRANS, LADWP, SCG, LADBS, and other utility companies and public agencies.
  - g. Field design work, such as aid in directing field crews in laying out forms, stringing lines, and hubs without detailed plans to pour ADA compliant sidewalks and curb ramps for simple standard plan cases or minor variations.
2. The Work shall include all labor, materials, and equipment necessary for reconstruction of the Pedestrian Facilities and related elements in accordance with Section 01112 DESCRIPTION OF WORK of the GENERAL REQUIREMENTS and the Contract Documents.
  3. The Work shall include the cost of implementing, monitoring, and removing traffic signs for the construction of all the WORK described herein of for the convenience of the CONTRACTOR in accordance with the latest editions of the City’s standard plans, “W.A.T.C.H. Manual” and LADOT’s Standard Plans, S-488.1, for Worksite Traffic Control Plans (WTCP).

**BID ITEM 2-6: 3D DESIGN, UNI-DIRECTIONAL, BI-DIRECTIONAL, MID-BLOCK CURB RAMPS, DRIVEWAY APRON, AND ALLEY INTERSECTION**

1. All requested designs shall be subject to General Requirements Section 01112 1.2.
2. For 3D design, the CONTRACTOR shall procure a Professional Engineer of Record (EOR) that is a licensed Civil Engineer registered in the State of California for all design tasks, including Design Support during Construction. The CONTRACTOR and the CONTRACTOR’s Engineer (EOR) shall assume all liability and responsibility for the RFC Plans.
3. The CONTRACTOR shall provide the CITY with Intermediate Sketch (IS) Plans, Ready for Construction (RFC) Plans (see ATTACHMENT A1), completed Technical Infeasibility Forms (TIF) where required in the TECHNICAL SPECIFICATIONS, and final As-Built Plans.
4. The CONTRACTOR shall provide RFC Plans for every site showing the driveway, alley entrance, curb ramps and related elements necessary for construction of accessible pedestrian facilities. Related elements to be designed may include but are not limited to street pavement sections, curbs, curbs & gutters, driveways, curb ramps, retaining curbs/walls, bus pads, tree wells, curb drains, catch basins, parkways, alleys, handrails and guardrails, and transitional areas. Curb ramp plans shall also require the EOR’s licensed Civil Engineer’s stamp on the RFC Plans.

**BID ITEMS 7-18: TRAFFIC CONTROL (PER SITE)**

1. The unit price for “Traffic Control” shall be applied based on the specified street type indicated in the construction order, as determined by the Engineer, and will also depend on the total square footage of sidewalk and driveway work required at the site as indicated in the project scope.
2. The unit price shall include, but is not limited to, all costs for materials, labor, equipment, and design necessary to provide the appropriate traffic control devices, flaggers, and trench plates for the construction order as directed by the Engineer and in accordance with the latest editions of the City’s standard plans, “W.A.T.C.H. Manual” and LADOT’s Standard Plans, S-488.1, for

Worksite Traffic Control Plans (WTCP). The following links can be used to obtain (WTCP): [https://ladot.lacity.org/sites/default/files/documents/standard-plans-guide\\_2.pdf](https://ladot.lacity.org/sites/default/files/documents/standard-plans-guide_2.pdf)

3. The CONTRACTOR shall coordinate with LADOT to provide permanent marking/stripping after completion of Work at each site. If the CONTRACTOR fails to coordinate with LADOT prior to the end of the construction at each site to provide permanent marking/stripping, CONTRACTOR shall provide temporary marking/stripping as needed at no additional cost to the City.
4. Licensed Traffic Engineer, registered in the State of California, prepared Traffic Control Plans (TCP) and implementation of these plans will not be covered in this Bid Item.

#### BID ITEMS 19-22: TRAFFIC CONTROL PLAN DESIGN AND PROCUREMENT

1. Where TCPs for each site are required to be prepared and stamped by a licensed Traffic Engineer registered in the State of California, CONTRACTOR shall do so, and compensation will be per this Bid Item. The CONTRACTOR shall verify with the TCP requirements flowchart if Engineered Traffic Control Plans (TCPs) are required for each site.
  - a. TCP Requirement Flowchart:  
[https://ladot.lacity.org/sites/default/files/documents/tcp\\_requirement\\_flowchart\\_online\\_0.pdf](https://ladot.lacity.org/sites/default/files/documents/tcp_requirement_flowchart_online_0.pdf)
2. Where said Engineered Traffic Control Plans (TCPs) are required by TCP requirements flowchart, the CONTRACTOR shall prepare such TCPs and obtain approval from LADOT within 60 calendar days following the issuance of the Construction Order.
3. The CONTRACTOR shall be responsible for obtaining the Traffic Control Plans from LADOT and implement it during construction for the sites.
4. This section supersedes all other section including section 1562.
5. Permit fees are not covered by this Bid Item. The Permit Fees shall be submitted to the Engineer and reimbursed per General Requirements Section 01292 1.2A and 01254 as extra work.
6. The unit price per site for "Traffic Control Plan" shall be applied when traffic control plans are required to obtain permits to complete the scope of work. The unit price shall include, but is not limited to, all costs for materials, labor, equipment, and design necessary to prepare and submit the required stamped traffic control plans for review and approval as directed by the Engineer and in accordance with the latest approving agency requirements. Approving agencies include, but are not limited to, Caltrans, Los Angeles Department of Transportation, and Major Transit and Transportation Construction Traffic Management Committee (TCTMC).

#### BID ITEMS 23-24: REMOVE, AC PAVEMENT (6-INCH AND 8-INCH THICK)

1. The unit price bid per square foot (SF) shall compensate the CONTRACTOR for the removal of asphalt concrete, including all labor, material, equipment, demolition, disposal, and all other related Work and incidentals.
2. The unit price bid shall include saw-cutting of the asphalt for material removal per plan and the placement of steel plates for temporary access as needed or required elsewhere in the Contract Documents.

3. The removal and disposal shall conform to the SSPWC (Greenbook) and the City's Additions and Amendments to the SSPWC ("Brown Book"), as well as General Requirements Section 01572.
4. Any concrete pavement that may be present under the asphalt shall be compensated per Bid Items 25 "REMOVE, PCC 6-INCH THICK", 26 "REMOVE, PCC 8-INCH THICK", and 27 "REMOVE, PCC 12-INCH THICK".
5. Asphalt Concrete thickness, unless otherwise specified shall be assumed to be 4" for Alley, 6" for Local Streets, and 8" for Collector, Secondary, and Major Streets. Payment adjustment for pavement thickness shall be in accordance with bid unit pricing.
6. The amount payable under this item shall be determined in accordance with the square feet (SF) of asphalt removed, regardless of the actual thickness removed.

BID ITEMS 25-37: REMOVE, PCC Pavement (6-INCH, 8-INCH, AND 12-INCH THICK), CONCRETE SIDEWALK (UP TO 6-INCH AND 10-INCH), CONCRETE CURB, CONCRETE CURB & GUTTER, CONCRETE CROSS/LONGITUDINAL GUTTER, CONCRETE CROSS GUTTER SPANDREL, CONCRETE DRIVEWAY (UP TO 6-INCH AND 10-INCH), CONCRETE ALLEY, AND CONCRETE BUS PAD (S-433-1).

1. The unit price bid per linear foot (LF) for curb, curb & gutter, cross/longitudinal gutter and per square foot (SF) for sidewalk, driveway, concrete pavement, alley (6"), concrete cross gutter spandrel and bus pad shall compensate the CONTRACTOR for all work related to removal of subject elements.
2. The unit price for removal shall include all labor, material, equipment, demolition, haul away, disposal, and all other related Work and incidentals.
3. The unit prices bid shall include costs for saw-cutting curb & gutter, curb, sidewalk, and driveway. The placement of steel plates for temporary access shall be included as needed or required elsewhere in the Contract Documents.
4. The removal and disposal shall conform to the SSPWC (Greenbook) and the City's Additions and Amendments to the SSPWC (Brownbook), as well as General Requirements Section 01572.
5. The amount payable under this item shall be determined in accordance with the linear foot (LF) and square feet (SF) of material removed per bid item.

BID ITEM 38: REMOVE, EXCAVATION

1. The unit price bid per cubic yard (CY) shall compensate the CONTRACTOR for the removal and disposal of excavated materials, including all labor, material, equipment, demolition, hauling, disposal, and all related work, in accordance with the Contract Documents.
2. The amount payable under this item shall be determined in accordance with the cubic yard (CY) of material excavated.

**BID ITEMS 39-42: CONSTRUCT, CONCRETE CURB, CONCRETE CURB & GUTTER, CONCRETE CROSS/LONGITUDINAL GUTTER, CONCRETE CROSS GUTTER SPANDREL**

1. The unit price bid per linear foot (LF) for curb, curb & gutter, cross/longitudinal gutter and per square feet (SF) for concrete cross gutter spandrel shall compensate the CONTRACTOR for all work related to the construction of the subject elements.
2. The unit price bid shall compensate the CONTRACTOR for all labor (including placement and forming), material, and equipment to construct the Work and incidentals as required by the Contract Documents.
3. Areas shall include sidewalk, sidewalk transition panels, driveways, street curbs and retaining curbs outside of the curb ramp limits, integral curb & gutter outside of the curb ramp limits, and reinforced concrete retaining curb.
4. High early strength shall be used as required by Contract Documents and authorized by the Engineer. Maximum allowable concrete strength shall be 4000PSI.
5. Concrete mixes shall be in accordance with SSPWC (Greenbook) and "Brown Book" Section 201-1. High early strength concrete shall be in accordance with "Brown Book" Section 201-1.1.4.
6. Submittals are required for all the concrete mixes and shall be submitted per SSPWC (Greenbook) and "Brown Book" Section 3-8 requirements for the City Engineer review and approval.
7. Concrete placement for curb, and curb and gutters shall be per SSPWC (Greenbook), "Brown Book" Section 302-6 and Standard Plans S-400 Series requirements.
8. The amount payable under this item shall be determined in accordance with the linear foot (LF) and square feet (SF) of material installed.

**BID ITEMS 43-45: CONSTRUCT, UNI-DIRECTIONAL CURB RAMP, BI-DIRECTIONAL CURB RAMP, MID-BLOCK CURB RAMP**

1. The unit price shall compensate the CONTRACTOR for all work including labor, equipment and materials to be performed within the limits of dimensions X, Y, and U, as defined in Standard Plan S-422-6 and as shown on the Exhibit Drawings. This payment applies to all cases and details of the curb ramp that conform to the specified dimensions. Work for this unit prices includes the removal, excavation and disposal of existing materials, placement and compaction of new base, placement of new concrete, formwork, truncated domes/detectable warning surface panels, concrete clear spaces and turning spaces, retaining curbs, and all other elements as shown within the curb ramp limits per plan.
2. Concrete placement for sidewalks, curb and curb & gutter shall be per SSPWC (Greenbook), "Brown Book" Sections and L.A. City Standard Plans S-442-6.
3. If a clear area is required at the bottom of the curb ramp it will be compensated using the curb and gutter and PCC pavement bid items.
4. The amount payable under this item shall be determined in accordance with the number of each curb ramp installed. Dual curb ramps at the same corner will be counted as two (2) curb ramps.

**BID ITEMS 46-51: CONSTRUCT (LESS THAN 850 SF) CONCRETE SIDEWALK (UP TO 6-INCH AND 10-INCH), EARLY HIGH STRENGTH CONCRETE SIDEWALK (UP TO 6-INCH AND 10-INCH), AND PATTERNED / DECORATIVE / BRICK SIDEWALK (UP TO 6-INCH AND 10-INCH).**

1. The unit price bid per square foot (SF) for sidewalk up to 6-inch and 10-inch, sidewalk early high strength up to 6-inch and 10-inch and patterned/decorative/brick sidewalk up to 6-inch and 10-inch shall compensate the CONTRACTOR for all work related to the construction of the subject elements.
2. The unit price bid shall compensate the CONTRACTOR for all labor (including placement and forming), material, and equipment to construct the Work and incidentals as required by the Contract Documents.
3. High early strength shall be used as required by Contract Documents and shall be authorized by the Engineer. Maximum allowable concrete strength shall be 4000PSI.
4. Concrete mixes shall be in accordance with SSPWC (Greenbook) and "Brown Book" Section 201-1. High early strength concrete shall be in accordance with "Brown Book" Section 201-1.1.4.
5. Submittals are required for all the concrete mixes and shall be submitted per SSPWC (Greenbook) and "Brown Book" Section 3-8 requirements for the City Engineer review and approval.
6. Concrete placement for sidewalk and driveway, curb, and curb and gutters shall be per SSPWC (Greenbook), "Brown Book" Section 302-6 and Standard Plans S-400 Series requirements.
7. The amount payable under this item shall be determined in accordance with the square feet (SF) of material installed.
8. The applicability of this bid item will be determined by the total square footage of sidewalk and driveway work required at the site as indicated in the project scope.

**BID ITEMS 52-57: CONSTRUCT (GREATER THAN 850 SF) CONCRETE SIDEWALK (UP TO 6-INCH AND 10-INCH), EARLY HIGH STRENGTH CONCRETE SIDEWALK (UP TO 6-INCH AND 10-INCH), AND PATTERNED / DECORATIVE / BRICK SIDEWALK (UP TO 6-INCH AND 10-INCH)**

1. The unit price bid per square foot (SF) for sidewalk up to 6-inch and 10-inch, sidewalk early high strength up to 6-inch and 10-inch and patterned/decorative/brick sidewalk up to 6-inch and 10-inch shall compensate the CONTRACTOR for all work related to the construction of the subject elements.
2. The unit price bid shall compensate the CONTRACTOR for all labor (including placement and forming), material, and equipment to construct the Work and incidentals as required by the Contract Documents.
3. High early strength shall be used as required by Contract Documents and authorized by the Engineer. Maximum allowable concrete strength shall be 4000PSI.
4. Concrete mixes shall be in accordance with SSPWC (Greenbook) and "Brown Book" Section 201-1. High early strength concrete shall be in accordance with "Brown Book" Section 201-1.1.4.
5. Submittals are required for all the concrete mixes and shall be submitted per SSPWC (Greenbook) and "Brown Book" Section 3-8 requirements for the City Engineer review and approval.

6. Concrete placement for sidewalk and driveway, curb, and curb and gutters shall be per SSPWC (Greenbook), "Brown Book" Section 302-6 and Standard Plans S-400 Series requirements.
7. The amount payable under this item shall be determined in accordance with the square feet (SF) of material installed.
8. The applicability of this bid item will be determined by the total square footage of sidewalk and driveway work required at the site as indicated in the project scope.

**BID ITEMS 58-61: CONSTRUCT (LESS THAN 850 SF) CONCRETE DRIVEWAY (UP TO 6-INCH AND 10-INCH) AND EARLY HIGH STRENGTH CONCRETE DRIVEWAY (UP TO 6-INCH AND 10-INCH).**

1. The unit price bid per square foot (SF) for concrete driveway up to 6-inch and 10-inch and concrete driveway early high strength up to 6-inch and 10-inch shall compensate the CONTRACTOR for all work related to the construction of the subject elements.
2. The unit price bid shall compensate the CONTRACTOR for all labor (including placement and forming), material, and equipment to construct the Work and incidentals as required by the Contract Documents.
3. High early strength shall be used as required by Contract Documents and authorized by the Engineer. Maximum allowable concrete strength shall be 4000PSI.
4. Concrete mixes shall be in accordance with SSPWC (Greenbook) and "Brown Book" Section 201-1. High early strength concrete shall be in accordance with "Brown Book" Section 201-1.1.4.
5. Submittals are required for all the concrete mixes and shall be submitted per SSPWC (Greenbook) and "Brown Book" Section 3-8 requirements for the City Engineer review and approval.
6. Concrete placement for sidewalk and driveway, curb, and curb and gutters shall be per SSPWC (Greenbook), "Brown Book" Section 302-6 and Standard Plans S-400 Series requirements.
7. The amount payable under this item shall be determined in accordance with the square feet (SF) of material installed.
8. The applicability of this bid item will be determined by the total square footage of sidewalk and driveway work required at the site as indicated in the project scope.

**BID ITEMS 62-65: CONSTRUCT (GREATER THAN 850 SF) CONCRETE DRIVEWAY (UP TO 6-INCH AND 10-INCH) AND EARLY HIGH STRENGTH CONCRETE DRIVEWAY (UP TO 6-INCH AND 10-INCH)**

1. The unit price bid per square foot (SF) for concrete driveway up to 6-inch and 10-inch and concrete driveway early high strength up to 6-inch and 10-inch shall compensate the CONTRACTOR for all work related to the construction of the subject elements.
2. The unit price bid shall compensate the CONTRACTOR for all labor (including placement and forming), material, and equipment to construct the Work and incidentals as required by the Contract Documents.

3. High early strength shall be used as required by Contract Documents and authorized by the Engineer. Maximum allowable concrete strength shall be 4000PSI.
4. Concrete mixes shall be in accordance with SSPWC (Greenbook) and "Brown Book" Section 201-1. High early strength concrete shall be in accordance with "Brown Book" Section 201-1.1.4.
5. Submittals are required for all the concrete mixes and shall be submitted per SSPWC (Greenbook) and "Brown Book" Section 3-8 requirements for the City Engineer review and approval.
6. Concrete placement for sidewalk and driveway, curb, and curb and gutters shall be per SSPWC (Greenbook), "Brown Book" Section 302-6 and Standard Plans S-400 Series requirements.
7. The amount payable under this item shall be determined in accordance with the square feet (SF) of material installed.
8. The applicability of this bid item will be determined by the total square footage of sidewalk and driveway work required at the site as indicated in the project scope.

**BID ITEMS 66-69: CONSTRUCT, AC PAVEMENT (6-INCH AND 8-INCH THICK) AC PG64-10 (50 BLOWS) AND AC PG70-10 (75 BLOWS).**

1. The unit price bid per square foot (SF) shall compensate the CONTRACTOR for all work including labor, equipment and materials for the placement and compaction of asphalt concrete.
2. Placement of the asphalt concrete shall be done in accordance with the latest SSPWC (Greenbook) and "Brown Book" Section 302-5 requirements.
3. Asphalt Concrete shall be in accordance with SSPWC (Greenbook) and "Brown Book" Section 203-6.
4. If the existing pavement is over 8", then use the resurfacing schedule below.

Resurfacing Schedule	
Major	8" AC on 8" CMB
Secondary	8" AC on 8" CMB
Collector	8" AC on 6" CMB
Local	6" AC on 4" CMB
Alley	6" AC on 4" CMB

5. Submittals are required for asphalt concrete mixes and shall be submitted in accordance with General Requirements Section 01330, SSPWC (Greenbook) and "Brown Book" Section 3-8 for review and approval by the ENGINEER.
6. The amount payable under this item shall be determined in accordance with the square feet (SF) of asphalt concrete installed regardless of the thickness.

**BID ITEMS 70-72: CONSTRUCT, PCC Pavement (6-INCH, up to 8-INCH, AND up to 12-INCH THICK)**

1. The unit price bid per square foot (SF) for PCC pavement 6-inch, up to 8-inch, and up to 12-inch shall compensate the CONTRACTOR for all work related to the construction of the subject elements.
2. The unit price bid shall compensate the CONTRACTOR for all labor (including placement and forming), material, and equipment to construct the Work and incidentals as required by the Contract Documents.
3. High early strength shall be used as required by Contract Documents and authorized by the Engineer. Maximum allowable concrete strength shall be 4000PSI.
4. Concrete mixes shall be in accordance with SSPWC (Greenbook) and "Brown Book" Section 201-1. High early strength concrete shall be in accordance with "Brown Book" Section 201-1.1.4.
5. Submittals are required for all the concrete mixes and shall be submitted per SSPWC (Greenbook) and "Brown Book" Section 3-8 requirements for the City Engineer review and approval.
6. Concrete placement for sidewalk and driveway, curb, and curb and gutters shall be per SSPWC (Greenbook), "Brown Book" Section 302-6 and Standard Plans S-400 Series requirements.
7. The amount payable under this item shall be determined in accordance with the square feet (SF) of material installed.

**BID ITEMS 73-75: CONSTRUCT, RETAINING CURB, CONCRETE BUS PAD, AND INSTALL JOINT TIE BAR (S-430-1)**

1. The unit price bid per linear foot (LF) and square foot (SF) shall compensate the CONTRACTOR for installation of retaining curb, concrete bus pad and joint tie bar (S-430), including labor (including placement and forming), material (including formwork) and equipment.
2. High-early strength shall be used as required by Contract Documents.
3. Concrete mixes shall be in accordance with SSPWC (Greenbook) and "Brown Book" Section 201-1. High early strength concrete shall be in accordance with "Brown Book" Section 201-1.1.4.
4. Submittals are required for all the concrete mixes and shall be submitted per SSPWC (Greenbook) and "Brown Book" Section 3-8 requirements for the ENGINEER to review and approve.
5. Concrete placement for retaining curb and concrete bus pad shall be per SSPWC (Greenbook), "Brown Book" Section 302-6 and Standard Plans S-400 Series requirements.
6. The amount payable under this item shall be determined in accordance with the linear foot (LF) and square foot (SF) of material installed.

**BID ITEMS 76: CONSTRUCT, INSTALL UNTREATED BASE MATERIAL**

1. The unit price bid per cubic yard (CY) shall compensate the CONTRACTOR for all work including labor, equipment and materials for the placement and compaction of the untreated base material under the sidewalk, curb, curb & gutter, driveway, asphalt, etc., outside of the curb ramp limits.

2. Site preparation and placement of the untreated base material shall be in accordance with SSPWC (Greenbook) Sections 301-1 and 301-2 and "Brown Book" Section 301-2 requirements.
3. The amount payable under this item shall be determined in accordance with the cubic yard (CY) of material placed.

**BID ITEMS 77-79: ADJUST, UTILITY MAINTENANCE HOLE/VAULT/PULLBOX TO GRADE**

1. The unit prices bid shall compensate the CONTRACTOR for all work including labor, equipment, materials and incidentals to adjust utility maintenance hole, utility vault, and utility pullbox to grade as required by the Contract Documents, L.A. City Standard Plans, and by the utility owner.
2. The CONTRACTOR shall contact the utility owner prior to starting any work to coordinate the adjustment with the utility company and to make sure all the construction requirements are met.
3. The amount payable under this item shall be determined in accordance with the number of maintenance holes, utility vaults, and utility pullboxes adjusted to grade.
4. If the utility owner does not allow CONTRACTOR to perform the adjustment work directly, CONTRACTOR shall subcontract, coordinate, support the utility owner as necessary, and provide all labor, equipment, and materials, to complete Work called for in the Contract Documents within the Contract duration. All costs shall be included in the respective unit prices bid. The CITY does not guarantee any of the utility work shown on the Plans, nor any schedule on behalf of the utility owner; CONTRACTOR shall coordinate with respective utility owners and include all costs in the respective unit prices bid.

**BID ITEMS 80-83: FURNISH & INSTALL, STREET LIGHTING/ TRAFFIC SIGNAL PULLBOX WITH LID (COMPOSITE TYPE 2 AND 3)**

1. The unit price bid for each item shall compensate the CONTRACTOR for all work including coordination, labor, equipment and materials to remove existing elements, furnish and install new pullboxes with lids as required by the Contract Documents, including base materials per L.A. City Standard Plans, and as required by the utility owner.
2. Materials and products shall be approved for use in the CITY public right of way as listed on the City of Los Angeles Bureau of Engineering Approved Products Tracking System (<https://boe.lacity.org/apm/menu.cfm>). Alternatively, products may be submitted for review and approval by the ENGINEER in accordance with General Requirements Section 01330.
3. The CONTRACTOR shall coordinate with respective utility owners (private and CITY owned) for product availability and procurement. CONTRACTOR shall be responsible for procurement of products and materials as needed to complete the Work per Contract Documents. All costs shall be included in the unit price bid.
4. Pull Boxes for the Los Angeles Department of Transportation and Bureau of Street Lightning shall conform to the applicable "Green Book"/BrownBook Sections.
5. The amount payable under this item shall be determined in accordance with the number of each item removed, furnished and installed.

**BID ITEMS 84-85: ADJUST, WATER / GAS METER / VENT/ GAS VALVE TO GRADE**

1. The unit prices bid shall compensate the CONTRACTOR for all work including labor, equipment, materials and incidentals to adjust water/gas meter/vent and gas valve to grade as required by the Contract Documents, L.A. City Standard Plans, and by the utility owner.
2. The CONTRACTOR shall contact the utility owner prior to starting any work to coordinate the adjustment with the utility company and to make sure all the construction requirements are met.
3. The amount payable under this item shall be determined in accordance with the number of each maintenance hole adjusted to grade.
4. If the utility owner does not allow CONTRACTOR to perform the adjustment work directly, CONTRACTOR shall subcontract, coordinate, support the utility owner as necessary, and provide all labor, equipment, and materials, to complete Work called for in the Contract Documents within the Contract duration. All costs shall be included in the respective unit prices bid. The CITY does not guarantee any of the utility work shown on the Plans, nor any schedule on behalf of the utility owner; CONTRACTOR shall coordinate with respective utility owners and include all costs in the respective unit prices bid.

**BID ITEM 86: REMOVE AND REPLACE CATCH BASIN LID PER STD S-343-1**

1. The unit price bid shall compensate the CONTRACTOR for removing and replacing Catch Basin Lid, including all labor (preparation and placement), material (including import), equipment, and all other related Work. No additional mobilization shall apply.
2. Catch Basin lid remodeling shall be in accordance with Standard Plan S-343- 1. This Standard Plan applies only if catch basin belongs to LA City.
3. Contractor to verify if catch basin belongs to LA City or any other agency. If catch basin belongs to an agency other than LA City, Contractor shall prepare and submit the required documentation to get the permit approval from that agency and implement it during construction for the catch basin lid remodeling.
4. The amount payable under this item shall be determined in accordance with the number of catch basin lid removed and replaced.

**BID ITEM 87: PAINT THERMOPLASTIC "NO DUMPING" 12X12**

1. The unit price bid shall compensate the CONTRACTOR for replacing thermoplastic "No Dumping" 12"x12" marking for City owned catch basins, including all labor (preparation and placement), material (including import), equipment, and all other related Work. No additional mobilization shall apply.
2. Thermoplastic paint shall be in accordance with SSPWC (Greenbook) Section.
3. "No Dumping" marking shall be placed only when the existing catch basin lid is removed and replaced.
4. Please see Attachments to the General Requirements Attachment B for 12"x12" label and specifications.

5. The amount payable under this item shall be determined in accordance with the number of each thermoplastics "No Dumping" 12"x12" marking replaced

**BID ITEMS 88-90: FURNISH & INSTALL, 4-6 INCHES DIAMETER SCHEDULE 80 PVC AND RECTANGULAR METAL PIPE**

1. The price bid per linear foot (LF) shall compensate the CONTRACTOR for all work including labor, equipment and materials for the removal of the existing drains and the installation of the respective drainage system as required by the Contract Documents.
2. The amount payable under this item shall be determined in accordance with the linear foot (LF) of the drain pipe removed and installed.

**BID ITEMS 91-92: FURNISH & INSTALL, METER BOX WITH STEEL LID (NO 2 AND 3)**

1. The unit price bid for each item shall compensate the CONTRACTOR for all work including coordination, labor, equipment and materials to remove existing elements, furnish and install new steel water meter lids as required by the Contract Documents, including base materials per L.A. City Standard Plans, and as required by the utility owner.
2. Materials and products shall be approved for use in the CITY public right of way as listed on the City of Los Angeles Bureau of Engineering Approved Products Tracking System (<https://boe.lacity.org/apm/menu.cfm>). Alternatively, products may be submitted for review and approval by the ENGINEER in accordance with General Requirements Section 01330.
3. The CONTRACTOR shall coordinate with respective utility owners (private and CITY owned) for product availability and procurement. CONTRACTOR shall be responsible for procurement of products and materials as needed to complete the Work per Contract Documents. All costs shall be included in the unit price bid.
4. The amount payable under this item shall be determined in accordance with the number of each item removed, furnished and installed.

**BID ITEM 93: FURNISH & INSTALL, 6-INCH DIAMETER CONCRETE VALVE**

1. The unit prices bid shall compensate the CONTRACTOR for all work including labor, equipment, materials and incidentals to furnish and install 6-inch valve as required by the Contract Documents, L.A. City Standard Plans, and by the utility owner.
2. The CONTRACTOR shall contact the utility owner prior to starting any work to coordinate the adjustment with the utility company and to make sure all the construction requirements are met.
3. The amount payable under this item shall be determined in accordance with the number of 6-inch valve furnished and installed.
4. If the utility owner does not allow CONTRACTOR to perform the adjustment work directly, CONTRACTOR shall subcontract, coordinate, support the utility owner as necessary, and provide all labor, equipment, and materials, to complete Work called for in the Contract Documents within the Contract duration. All costs shall be included in the respective unit prices bid. The CITY does not guarantee any of the utility work shown on the Plans, nor any schedule on behalf of the utility owner; CONTRACTOR shall coordinate with respective utility owners and include all costs in the respective unit prices bid.

**BID ITEM 94: MOBILIZATION AND DEMOBILIZATION – TREE WORK (PER SITE)**

The unit price for “Mobilization & Demobilization – Tree Work” shall include, but is not limited to, all costs for delivering and removing all materials, equipment, tools and labor to and from a single work area except as provided below. The contractor shall receive the mobilization and demobilization payment after the tree work completion for each site, with the following exceptions:

If the contractor is assigned up to 4 consecutive “Tree Work” construction orders by the Engineer within a 1.5-mile radius of each other, the construction orders shall be executed by the Contractor jointly with a single mobilization payment.

1. The Work shall include Mobilization in accordance with Section 01721 MOBILIZATION of the GENERAL REQUIREMENTS including but not limited to:
  - a. The movement of personnel, equipment, supplies and incidentals to the project sites.
  - b. Temporary laydown area and obtaining all permits and clearance requirements to secure and utilize the laydown area
  - c. Requesting the Los Angeles Department of Transportation for “no parking” permits and signages.
  - d. Distributing Notice to Residents prior to the start of tree work.
  - e. Applying for permits (if applicable) and coordinating work with other agencies such as LADOT, CALTRANS, LADWP, SCG, LADBS, and other utility companies and public agencies.

**BID ITEMS 95-96: TREE AND/OR STUMP REMOVAL (6 TO 24 AND OVER 24 INCHES DIAMETER)**

1. The unit price bid shall compensate the CONTRACTOR for the removal including equipment, labor and disposal of the stump and roots. CONTRACTOR shall secure the services of a certified Arborist for the execution of tree work, as provided in the Urban Forestry Division (UFD) "Tree Permits". Tree Permit conditions to be provided after the award of the construction order. Those tree work requirements include but are not limited to tree removal, grinding, pruning, trimming, planting etc. CONTRACTOR's Arborist/Tree Trimming Company shall employ at least one (1) staff person that has a "High Voltage Line Clearance Certification" per OSHA 1910.269(m).
2. The Bureau of Street Services Urban Forestry Division will assess/inspect the tree to provide recommendations and issue tree permits within the public right-of-way.
3. Contractor shall contact Luis Torres at (213) 847-3033 at least 10 business days prior to construction for tree related work.
4. The amount payable under this item shall be determined in accordance with the number of each tree & stump removed.
5. Every tree removed shall require a biologist's report and a 10-day appeal period after the California Environmental Quality Act (CEQA) Notice of Exemption (NOE) has been filed. The CITY shall provide the biologist's report, and the CONTRACTOR shall file the NOE with the County of Los Angeles. The cost to deliver and file the NOE are to be included in these bid items.

**BID ITEM 97: FURNISH & PLANT, 24-INCH BOX SIZE TREE**

1. The unit price bid shall compensate the CONTRACTOR for the furnishing and planting each 24" box tree, including equipment, labor and material (including cost of each tree, delivery and planting).
2. The CONTRACTOR shall contact the Bureau of Street Services, Urban Forestry Division, once the new trees are planted in order to start watering the newly planted trees.
3. The CONTRACTOR shall contact Luis Torres at (213) 847-3045 at least 10 business days prior to construction for tree related work.
4. The planting of the new tree shall conform to Standard Plan S-456-2.
5. No additional payment will be made for additional tree well or parkway installation of forms as this work is incidental to this pay item.
6. The amount payable under this item shall be determined in accordance with the number of each tree planted.

**BID ITEMS 98-99: TREE ROOT PRUNING / SHAVING AND CANOPY PRUNING (PER TREE)**

1. The unit price bid shall compensate the CONTRACTOR for all work including labor, equipment, materials, and disposal for root pruning/shaving each tree and canopy pruning/trimming each tree, respectively, as required by the Contract Documents, including permit conditions issued by the Bureau of Street Services Urban Forestry Division.
2. All costs for CONTRACTOR's compliance with permit conditions issued by the Bureau of Street Services Urban Forestry Division shall be included in this bid item.
3. The amount payable under this item shall be based on each tree pruned/shaved/trimmed regardless of the extent of pruning/shaving/trimming required for each tree.

**BID ITEM 100: INSTALL ROOT CONTROL BARRIER**

1. The unit price bid per linear foot (LF) for the root control barrier shall compensate the CONTRACTOR for installation, including equipment, labor and material.
2. The installation of the root control barrier shall conform to Standard Plan S-456-2.
3. The amount payable under this item shall be determined in accordance per linear foot (LF) of root control barrier installed.

**BID ITEM 101: FURNISH AND INSTALL, TOP SOIL**

1. The unit price bid per cubic yard (CY) shall compensate the CONTRACTOR for all work including labor, equipment and materials for placing and compacting top soil in accordance with the Contract Documents.

#### BID ITEM 102: TEMPORARY DRAINAGE INLET PROTECTION

1. The unit price bid shall compensate the CONTRACTOR for the cost of performing work at each site associated with the protection of each existing drainage inlet within the project limits. Unit price includes labor, materials and equipment.

#### BID ITEMS 103-107: FURNISH & INSTALL, PEDESTRIAN PIPE GUARDRAIL / HANDRAIL (S-463-3: A-1, A-2, B-1, C-1, C-2)

1. The unit price bid per linear foot (LF) shall compensate the CONTRACTOR for the furnish and installation of the pedestrian pipe guardrail/ handrail, including labor (including placement and forming), material and equipment. No additional mobilization shall apply.
2. Handrail shall be in accordance with Standard Plan S-463-3.
3. The amount payable under this item shall be determined in accordance with the linear foot (LF) of handrail removal and installation.

#### BID ITEM 108: INSTALL COMPLIANT BIKE RACK (S-671-2)

1. The unit price bid shall compensate the CONTRACTOR for all work including labor, equipment and materials for the installation of new bike racks as required in the Contract Documents, including L.A. City Standard Plan S-671-2. No additional mobilization shall apply.
2. CONTRACTOR shall submit shop drawings for review and approval by the ENGINEER in accordance with Specification Section 01330 prior to fabrication or procurement of new bike racks. All associated costs shall be included in the unit price bid.
3. The amount payable under this item shall be determined in accordance with each new compliant bike rack installed.

#### BID ITEM 109: REMOVE AND REPLACE BIKE RACK

1. The unit price bid shall compensate the CONTRACTOR for all work including labor, equipment, materials, storage, and coordination required to remove and reinstall each bike rack as required by the Contract Documents, including L.A. City Standard Plan S- 671-2. No additional mobilization shall apply.
2. If any of the respective items are damaged during removal, CONTRACTOR shall replace with approved new materials and products as required by the CITY and/or the respective owner, at no additional cost to the CITY.
3. If it is determined during construction that any of the respective elements to be reinstalled per plan are outdated and are required to be replaced with current approved products, CONTRACTOR shall coordinate and procure new products as required by the owner and as approved by the ENGINEER. Additional costs, if any, for new materials and products shall be approved by the ENGINEER and addressed through a Change Order in accordance with General Requirements 01254, with no markups. All other costs shall be included in the unit price bid.
4. CONTRACTOR shall submit shop drawings for review and approval by the ENGINEER in accordance with Specification Section 01330 prior to fabrication or procurement of new bike racks. All associated costs shall be included in the unit price bid.

5. The amount payable under this item shall be determined in accordance with each existing bike rack removed and new compliant bike rack installed, respectively.

**BID ITEM 110: REMOVE & REINSTALL, STREET SIGN**

1. The unit price bid shall compensate the CONTRACTOR for all work including labor, equipment, materials, storage, and coordination required to remove and reinstall each street sign as required by the Contract Documents and the owner.
2. If any of the respective items are damaged during removal, CONTRACTOR shall replace with approved new materials and products as required by the CITY and/or the respective owner, at no additional cost to the CITY.
3. If it is determined during construction that any of the respective elements to be reinstalled per plan are outdated and are required to be replaced with current approved products, CONTRACTOR shall coordinate and procure new products as required by the owner and as approved by the ENGINEER. Additional costs, if any, for new materials and products shall be approved by the ENGINEER and addressed through a Change Order in accordance with General Requirements 01254, with no markups. All other costs shall be included in the unit price bid.
4. The amount payable under this item shall be determined in accordance with the number of each item removed and reinstalled.

**BID ITEM 111: REMOVE & REINSTALL, NEWSPAPER DISPENSER / TRASH BIN**

1. The unit price bid shall compensate the CONTRACTOR for removing and reinstalling each newspaper dispenser/trash bin and parking meter, including equipment, labor and safe storage. No additional mobilization shall apply.
2. The amount payable under this item shall be determined in accordance with the number of each newspaper dispenser/trash bin and parking meter removed and reinstalled.

**BID ITEM 112: EXTENDED RIGHT OF ENTRY COORDINATION**

1. This bid item includes compensation solely for extended coordination efforts required to obtain Right-of-Entry (ROE) agreements from private property owners who are not readily responsive or available.
2. This item applies only in cases where ROE acquisition requires substantial effort beyond routine, on-site coordination associated with active construction. Eligible activities may include, but are not limited to, repeated outreach attempts, follow-up communications over an extended period, coordination outside of active site work, use of multiple contact methods, and coordination with tenants, property managers, legal representatives, or other authorized parties. Documentation, tracking, and reporting of these efforts are included.
3. This bid item does not include compensation for ROE obtained through standard on-site interaction when the contractor is already mobilized and the property owner or authorized representative is readily available.
4. Payment under this item shall be limited to instances where reasonable standard efforts have been unsuccessful and extended coordination is required to secure access.

(END OF SECTION)