

## MEASUREMENT AND PAYMENT

**The Measurement and Payment section of this document and Special Provision SP-19, Incidental Pay Items, supersede PART 4 MEASUREMENT AND PAYMENT contained in each MPWSS specification section.**

SCOPE: The following description of work, measurement of pay quantity, and method of payment shall govern payment to Contractor under this Contract. Payment for these items shall be full compensation for the completed item of work furnished and installed, and the cost of any incidental work or materials required to complete the item. No additional payment will be made for materials purchased and not installed as a result of field adjustments in field quantities versus Bid Form.

### BID ITEM

### DESCRIPTION

- 101. Mobilization 5% Max:** Measurement shall be made at the contract **Lump Sum** price for "Mobilization". Payment will be made at 50% of the contract unit **Lump Sum** price at the beginning of project and the remaining 50% will be paid at the end of the project. Payment for this item shall include all costs related to general contract requirements, administration, and overhead and shall be merged and included in the contract lump sum price for "Mobilization". The cost of all bonds, insurance, permits, licenses, safety, fees, royalties and taxes; purchasing permits and licenses, temporary electric and telephone service, utility location, shop drawings and samples, general administration and overhead, movement of equipment, tools, and workmen, as necessary, and other incidental work required for occupying the site and performing the work shall be merged and included in the contract lump sum price for "Mobilization". **The contract price for "Mobilization" shall not exceed five (5) percent of the total bid and shall not include any anticipated profit.** Anticipated profit shall be distributed proportionately among the various contract bid items. Any bids that contain a lump sum price for mobilization greater than five percent of the bid shall be reduced in price to the five percent limit without adding costs to other bid items or rejected at the option of the Owner.
- 102. Traffic Control:** Measurement shall be made at the contract **Lump Sum** price for Traffic Control. Payment will be made at the contract unit **Lump Sum** price at the end of the project. Traffic control shall be performed in accordance with the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD). Item includes the following work scope: developing and implementing a City approved plan to direct traffic, and pedestrians safely through and/or around the construction site; all the labor, equipment, and materials necessary to implement the plan; Continual monitoring and maintaining of traffic control devices; installing and removing signs, flagmen, channelization devices, and illumination devices as necessary; and all other work necessary for completion of the item.
- 103. Concrete Curb & Gutter Integral R&R:** Measurement shall be made by the **Lineal Foot** in-place. Payment will be made at the contract unit price per **Lineal Foot** and includes the following items: excavation, removal, and disposal of all existing curb and gutter and base course materials; excavation and disposal; placing and compacting subgrade; furnishing, placing, and compacting 6-inch thickness of 1 ½-inch minus crushed base course; doweling into existing concrete; furnishing, placing, finishing, and curing of the concrete curb and gutter; installing all driveway, approach, and handicap ramp curb cut outs; and all other work necessary for completion of the item.

104. **4" Concrete Sidewalk R&R:** Measurement shall be made by the **Square Foot** in-place. Payment will be made at the contract unit price per **Square Foot** and includes the following items: removal and disposal of all existing sidewalk materials; excavation and disposal; saw cutting; compacting subgrade; backfill; furnishing, placing, and compacting 6-inches of 1½-inch minus crushed base course; furnishing, placing, finishing, and curing of 4-inch thick concrete sidewalk; dowels; pre-molded mastic expansion joints; contraction joints; backfilling behind sidewalk as necessary; cleanup; and all other work necessary for completion of the item.
105. **6" Reinforced Concrete R&R:** Measurement shall be made by the **Square Foot** in-place. Payment will be made at the contract unit price per **Square Foot** and includes the following items: saw cutting; removal and disposal of all existing sidewalk materials; excavation and disposal; compacting subgrade; backfill; furnishing, placing, and compacting 6-inches of 1½-inch minus crushed base course; furnishing and placing #4 reinforcement bar on one foot centers, including support chairs; doweling into existing concrete; furnishing, placing, finishing, and curing of 6-inch thick concrete; pre-molded mastic for expansion joints; contraction joints; backfilling behind sidewalk where necessary; placing and compacting of 1½-inch minus crushed base course level with existing asphalt where asphalt is removed for construction purposes; cleanup; and all other work necessary for completion of the item.
106. **Truncated Domes:** Measurement shall be made by the **Each** in place. Payment will be made at the contract unit price per **Each** and includes the following items: furnishing, placing, and finishing of truncated domes at the bottom of the curb ramps; and all other work necessary for completion of the item.
107. **Sod:** Measurement shall be made by the **Square Foot** in-place. Payment will be made at the contract unit price per **Square Foot**, and includes the following items: topsoil salvage and/or importing, grading to blend existing and new ground profile; furnish new sod; rolling; fertilizing and watering sod for 14 consecutive days after installation; repairing damaged irrigation systems; and all other work necessary for completion of the item.
108. **Irrigation Move and Reset:** Measurement is made by the **Lump Sum**. Payment will be made at the contract **Lump Sum** price and includes the following items: moving, resetting, and repairing any and all irrigation sprinklers, pipe, valves and control boxes impacted by construction project and all other work necessary for completion of the item. Contractor is responsible for repair and replacement of any irrigation system parts damaged as a result of construction activities.
109. **Type I Curb Inlet w/ Concrete Apron:** Measurement shall be made per **Each** structure installed. Payment will be made at the contract unit price per **Each** in place which includes the following: all costs for labor, materials, and equipment for excavation; removal and disposal of existing structure, curb and gutter, asphalt, and soil; furnishing, placing and compacting 12-inches of 1½-inch minus base course under the inlet structure; furnishing and installing new structure, pipe and pipe openings, reconnecting to system, gaskets, rings, frames, covers or grates, concrete apron, grout, fillet; and all other work necessary to complete the item.
110. **Remove Type I Curb Inlet w/ Concrete Apron:** Measurement shall be made per **Each** structure removed and not replaced in same location. Payment will be made at the contract unit

price per **Each** in place which includes the following: all costs for labor, materials, and equipment for excavation; removal and disposal of existing structure, curb and gutter, asphalt, and soil; furnishing, placing and compacting soil, and returning location to condition of surrounding area; and all other work necessary to complete the item.

- 111. Miscellaneous Work:** Measurement shall be made at **\$1.00/Unit** of miscellaneous work. Payment will be made at the contract unit price of **\$1.00/Unit** and includes furnishing of all labor, materials and equipment to complete miscellaneous work not provided by work items in the unit bid proposal. The number of units for a particular work item shall be by an agreed upon price or force account basis as deemed necessary and only as directed by the City.

**END OF SECTION**