### SECTION 613 – CONCRETE CURB, WALK, GUTTERS, DRIVEWAYS AND ALLEY INTERSECTIONS

**MATERIALS**

**613.02.01 GENERAL**

***Add the following to this subsection:***

B. The cement to be used for all concrete shall be Type V Portland Cement.

C. The reinforcing steel shall be Grade 60.

**CONSTRUCTION**

**613.03.06 SLIP FORMS**

***Add the following TO PARAGRAPH “H” OF THIS SUBSECTION:***

1. The adhesive shall be applied, per the manufacturers recommended application rate.

1. Cover 100 percent of the contact area between the underlying surfaces and new concrete.

**613.03.13 WALK**

***delete the following subsection in its entirety and replace with the following:***

A. The forms shall be set to provide finish slopes as specified on the plans. Sidewalk cross slope shall not exceed 2.0% unless specifically indicated on the plans. Newly constructed sidewalk with greater than 2.0% cross slope shall be removed and replaced at the expense of the Contractor.

**613.03.18 DETECTABLE WARNINGS**

***Add the following to this subsection:***

F. Detectable warning strips shall be Armortile, Access Tile, or approved equal. Detectable warning strips shall be embedded for all new construction or reconstruction.

G. For retrofit locations, glue-down detectable warning strips shall be Armortile, Access Tile, or approved equal.

**METHOD OF MEASUREMENT**

**613.04.01 MEASUREMENT**

***Add the following to this subsection:***

The quantity of TYPE L CURB AND GUTTER will be measured per linear foot.

The quantity of TYPE L ISLAND CURB AND GUTTER will be measured per linear foot.

The quantity of CONCRETE SIDEWALK will be measured per square foot.

The quantity of CONCRETE CROSS GUTTER will be measured per square foot.

The quantity of CONCRETE RESIDENTIAL DRIVEWAY will be measured per square foot.

The quantity of CONCRETE DEPRESSED ALLEY DRIVEWAY will be measured per square foot.

The quantity of CONCRETE COMMERCIAL DRIVEWAY (OPTION A) will be measured per square foot.

The quantity of CONCRETE COMMERCIAL DRIVEWAY (OPTION B) will be measured per square foot.

The quantity of TYPE A CURB will be measured per linear foot.

The quantity of Curb and Gutter, Sidewalk, Driveway, Median Island, etc. to be measured for payment will not include the following:

* 1. Curb and Gutter, Sidewalk, Driveway, Median Island, etc. abutting proposed drop inlets 3′ - 6″ away from either side, or to the nearest joint, of the inlet opening. For existing drop inlets without abutting sidewalk, include measurement of new sidewalk abutting on three sides to the property line.
	2. The replacement of existing curb and gutter, sidewalk, driveway, median island, etc. where it is removed for the construction of drop inlets, traffic signal systems, interconnect pullboxes, street lights and the removal and salvage of existing streetlights.
	3. The Curb and Gutter, Sidewalk, Driveway, Median Island, etc. being replaced because of unnecessary damage during construction.

The quantity of [FILL IN ITEM DESCRIPTION] will be measured per [UNIT].

No direct measurement shall be made for [FILL IN ITEM DESCRIPTION].

**BASIS OF PAYMENT**

**613.05.01 PAYMENT**

***DELETE THIS SUBSECTION IN ITS ENTIRETY AND REPLACE WITH THE FOLLOWING:***

The accepted quantity of TYPE L CURB AND GUTTER will be paid for at the contract unit price of linear foot and shall include all materials, equipment and labor required including, but not limited to excavation; Type II Aggregate Base; plates; compaction; concrete; depressions; reinforcing steel; finishing; joints; curing compound and backfilling and all other items necessary to complete the work as shown on the Plans, as specified herein and as directed by the Engineer.

The accepted quantity of TYPE L ISLAND CURB AND GUTTER will be paid for at the contract unit price of linear foot and shall include all materials, equipment and labor required including, but not limited to excavation; Type II Aggregate Base; plates; compaction; concrete; depressions; reinforcing steel; finishing; joints; curing compound and backfilling and all other items necessary to complete the work as shown on the Plans, as specified herein and as directed by the Engineer.

The accepted quantity of CONCRETE SIDEWALK will be paid for at the contract unit price of square foot and shall include all materials, equipment and labor required including, but not limited to, excavation; Type II Aggregate Base; plates; compaction; concrete; depressions; reinforcing steel; sleeves; pedestrian curb ramps; detectable tactile warning strips; adjusting all new or existing pullboxes; vault covers; meter boxes; handholes and valve boxes; finishing; joints; curing compound and backfilling and all other items necessary to complete the work as shown on the Plans, as specified herein and as directed by the Engineer.

The accepted quantity of CONCRETE CROSS GUTTER will be paid for at the contract unit price of square foot and shall include all materials, equipment and labor required including, but not limited to, excavation; Type II Aggregate Base; plates; compaction; concrete; depressions; reinforcing steel; spandrel and monolithic curb; finishing; joints; curing compound and backfilling and all other items necessary to complete the work as shown on the Plans, as specified herein and as directed by the Engineer.

The accepted quantity of CONCRETE RESIDENTIAL DRIVEWAY will be paid for at the contract unit price of square foot and shall include all materials, equipment and labor required including, but not limited to, excavation; Type II Aggregate Base; plates; compaction; concrete; depressions; reinforcing steel; adjusting all new or existing pullboxes; vault covers; meter boxes; handholes and valve boxes; finishing; joints; curing compound and backfilling and all other items necessary to complete the work as shown on the Plans, as specified herein and as directed by the Engineer.

The accepted quantity of CONCRETE DEPRESSED ALLEY DRIVEWAY will be paid for at the contract unit price of square foot and shall include all materials, equipment and labor required including, but not limited to, excavation; Type II Aggregate Base; plates; compaction; concrete; depressions; reinforcing steel; adjusting all new or existing pullboxes; vault covers; meter boxes; handholes and valve boxes; finishing; joints; curing compound and backfilling and all other items necessary to complete the work as shown on the Plans, as specified herein and as directed by the Engineer.

The accepted quantity of CONCRETE COMMERCIAL DRIVEWAY (OPTION A) and CONCRETE COMMERCIAL DRIVEWAY (OPTION B), will be paid for at the contract unit price of square foot and shall include all materials, equipment and labor required including, but not limited to, excavation; Type II Aggregate Base; plates; compaction; concrete; depressions; reinforcing steel; adjusting all new or existing pullboxes; vault covers; meter boxes; handholes and valve boxes; finishing; joints; curing compound and backfilling and all other items necessary to complete the work as shown on the Plans, as specified herein and as directed by the Engineer.

The accepted quantity of TYPE A CURB will be paid for at the contract unit price of linear foot and shall include all materials, equipment and labor required including, but not limited to excavation; Type II Aggregate Base; plates; compaction; concrete; depressions; reinforcing steel; finishing; joints; curing compound and backfilling and all other items necessary to complete the work as shown on the Plans, as specified herein and as directed by the Engineer.

The accepted quantity of [FILL IN ITEM DESCRIPTION] will be paid for at the contract unit price of [UNIT] and shall include all materials, equipment and labor required including, but not limited to, [FILL IN] and all other items necessary to complete the work as shown on the Plans, as specified herein and as directed by the Engineer.

The accepted quantity of [FILL IN ITEM DESCRIPTION] will be paid for at the contract unit price of [UNIT] and shall conform to the requirements of subsection 508.05.01 of the Uniform Standard Specifications and shall include all materials, equipment, labor and disposal required to perform this work and all work as shown on the Plans, as specified herein and as directed by the Engineer. The above payment shall also include,

Unless otherwise provided in the Special Provisions, no payment will be made for [FILL IN ITEM DESCRIPTION] as such. The cost thereof shall be considered as included in the price bid for construction or installation of the items to which [FILL IN ITEM DESCRIPTION] is required.

All payments shall be made in accordance with Subsection [109.02](http://www.rtcsnv.com/mpo/streets/files/specifications/text/109.doc#RTC_109_02), "Scope of Payment."

Payment will be made under:

|  |  |  |
| --- | --- | --- |
| **ITEM NO.** | **ITEM DESCRIPTION** | **UOM** |
| 613.0005 | TYPE L CURB AND GUTTER | LF |
| 613.0120 | “L” TYPE ISLAND CURB AND GUTTER | LF |
| 613.0300 | CONCRETE SIDEWALK (4 INCH) | SF |
| 613.0700 | CONCRETE CROSS GUTTER | SF |
| 613.0800 | CONCRETE RESIDENTIAL DRIVEWAY | SF |
| 613.0860 | CONCRETE DEPRESSED ALLEY DRIVEWAY | SF |
| 613.0890 | CONCRETE COMMERCIAL DRIVEWAY (OPTION A) | SF |
| 613.0910 | CONCRETE COMMERCIAL DRIVEWAY (OPTION B) | SF |
| 613.1100 | TYPE A CURB | LF |

**END OF SECTION 613**