### SECTION 202 – REMOVAL OF STRUCTURES AND OBSTRUCTIONS

**CONSTRUCTION**

**202.03.02 REMOVAL**

***DELETE PARAGRAPH H IN ITS ENTIRETY AND REPLACE WITH THE FOLLOWING:***

H. In removing catch basins, and inlets, any live sewers connected to item shall be rebuilt and properly reconnected and a satisfactory bypass service shall be maintained during such construction operations. When abandoning catch basins, and inlets, they shall be thoroughly cleaned and existing pipe connections shall be plugged with concrete of the class and grade specified for structures. The portions of the structures shall then be removed to the required elevations and any necessary backfill shall be placed and compacted to specifications. All manholes shall be abandoned/removed in accordance with DCSWCS Section 3.18.2 a & c, whichever applies.

***ADD THE FOLLOWING SUBSECTIONS TO THIS SECTION:***

**202.03.70 REMOVAL OF EXISTING TRAFFIC STRIPING AND MARKERS**

A. All existing paint striping and markings to be removed from existing pavement to remain, shall be removed by sandblasting. A slurry seal emulsion shall be applied to the sand blasted areas to “blackout” the removed striping.

**202.03.71 GRINDING OF EXISTING BITUMINOUS SURFACE (ROTOMILLING)**

A. In removing bituminous pavement by the rotomilling process, the work shall be accomplished with a machine designed to remove, profile and texture the remaining surface of the pavement in one (1) operation. The milling machine shall consist of a rotating powered mandrel drum studded with conical tungsten carbide tipped bits and shall produce a reasonable smooth textured surface satisfactory to the Engineer and shall be equipped with an effective means for controlling dust and other particulate matter created by the milling action.

B. The machine shall be capable of accurately establishing profile grades (within plus or minus one quarter (1/4”) inch) by referencing from the existing pavement or from an independent grade control. It shall have a positive means for controlling cross slope elevations. At the option of the Engineer, and if the pavement warrants it, the use of the averaging ski may be discontinued.

NOTE TO SPEC WRITER: Do not use paragraph lettering for the following two subsections, Measurement and Payment. This applies to all subsequent SP sections.

**METHOD OF MEASUREMENT**

**202.04.01 MEASUREMENT**

***ADD THE FOLLOWING TO THIS SUBSECTION:***

The quantity of REMOVE PLANTMIX BITUMINOUS SURFACE will be measured per square yard.

The quantity of REMOVE PLANTMIX BITUMINOUS PAVEMENT BY COLD MILLING METHOD (DEPTH) will be measured per square yards. Removal of bituminous surface by cold milling will be measured once, regardless of the number of passes necessary to obtain the depth specified on the plans and as approved.

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

The quantity of REMOVE CONCRETE CURB AND GUTTER will be measured per linear foot.

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

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

The quantity of removal of driveway, median island, sidewalk, curb and gutter to be measured for payment shall not include the following:

1. Driveway, median island, sidewalk, curb and gutter removed for construction of proposed drop inlets.
2. Driveway, median island, sidewalk, curb and gutter abutting proposed drop inlets 3 feet 6 inches, or to the nearest joint, away from either side of the inlet opening.
3. Driveway, median island, sidewalk, curb and gutter removed because of unnecessary damage during construction.

**BASIS OF PAYMENT**

**202.05.01 PAYMENT**

***ADD THE FOLLOWING TO THIS SUBSECTION:***

The accepted quantity of REMOVAL OF ASPHALT PAVEMENT will be paid for at the contract unit price of square yard and shall conform to the requirements of subsection 202.05.01 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, sawcutting and removal of existing asphalt concrete pavement; removal and disposal of brush, trash and debris, loop detectors, pavement markers, pavement striping; and protection and restoration, if damaged, of all existing facilities.

The accepted quantity of REMOVE PLANTMIX BITUMINOUS PAVEMENT BY COLD MILLING METHOD (DEPTH) will be paid for at the contract unit price of square yard and shall conform to the requirements of subsection 202.05.01 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, sawcutting and removal of existing asphalt concrete pavement; removal and disposal of brush, trash and debris, loop detectors, pavement markers, pavement striping; and protection and restoration, if damaged, of all existing facilities.

The accepted quantity of REMOVAL OF SIDEWALK will be paid for at the contract unit price of square foot and shall conform to the requirements of subsection 202.05.01 of the Uniform Standard Specifications and shall include all materials, equipment and labor 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, sawcutting where indicated on plans or at locations determined by the Engineer and removal of full panel to nearest joint; removal and disposal of base course materials, concrete, detectable tactile warning strips at sidewalk ramps, reinforcing steel and sidewalk; protection and restoration, if damaged, of all existing facilities; sidewalk removal to construct new storm drain, drop inlets, traffic signals, street lights and foundations, that is not shown on the drawings, to be replaced, will not be measured and paid for separately but will be considered incidental to the particular item for which the removal is required. Note to spec writer: for drop Inlets, down drains and sidewalk under drains and the like - be sure to identify these on the plans especially in sections of removal of sidewalk and have these items paid for separately and not included as incidental to sidewalk removal.

The accepted quantity of REMOVAL OF TYPE L CURB AND GUTTER will be paid for at the contract unit price of linear foot and shall conform to the requirements of subsection 202.05.01 of the Uniform Standard Specifications and shall include all materials, equipment and labor 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, sawcutting and removal of existing asphalt concrete pavement; sawcutting concrete curb and gutter and removal to the nearest joint; temporary patches; removal and disposal of base course materials, concrete, curb and gutter and reinforcing steel; protection and restoration, if damaged, of all existing facilities, monumentation; curb and gutter removal to construct new storm drain, drop inlets, traffic signals, street lights and foundations, that is not shown on the drawings, to be replaced, will not be measured and paid for separately but will be considered incidental to the particular item for which the removal is required. Note to spec writer: for drop Inlets, down drains and sidewalk under drains and the like - be sure to identify these on the plans especially in sections of removal of curb and gutter and have these items paid for separately and not included as incidental to curb and gutter removal. Also, make sure that permanent patches are incidental to new curb and gutter or incidental to any AC bid items for the project.

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.

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.

Payment will be made under:

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| **ITEM NO.** | **ITEM DESCRIPTION** | **UOM** |
| 202.0005 | REMOVE PLANTMIX BITUMINOUS SURFACE | SY |
| 202.00XX | REMOVE PLANTMIX BITUMINOUS PAVEMENT BY COLD MILLING METHOD (DEPTH) | SY |
| 202.0320 | REMOVE CONCRETE SIDEWALK | SF |
| 202.0370 | REMOVE CONCRETE CURB AND GUTTER | LF |
| 202.XXXX | [ITEM DESCRIPTION] | [UNIT] |

**END OF SECTION 202**