

SECTION 17 – CURBS AND GUTTERS

17.1 CONCRETE CURB, INTEGRAL CONCRETE CURB, COMBINED CONCRETE CURB AND GUTTER *(Rev. 09-30-09)*

Curbing and combined curb and gutter must be constructed prior to paving, unless permission is obtained to do otherwise. Grade lines for top of curb and flow line of gutter should be established as far in advance of construction as possible, reviewed with the AE, and should be approximately parallel with the centerline of pavement. Wherever it is possible, the elevation of the top of curb should be lower than the sidewalk or ground line. Curb and gutter must be constructed in accordance with the contract documents, and the PE/S will ensure that positive drainage is established.

If it appears that the elevation of the top of curb will be above the sidewalk or ground line, the AE should be contacted in sufficient time to permit an inspection of the area before construction is started.

Attention must be given to the preparation and compaction of the subgrade, to the setting of forms and forming of joints. Forms that are not straight, free from warp, or of sufficient strength to resist springing when concrete is deposited will be rejected. True lines and grades on the curb or combined curb and gutter are essential to prevent standing water. Rubbing, finishing and curing must be in accordance with the SS.

The upper portion of integral curb may be constructed after the lower portion is completed and cured with the adjacent pavement, provided stirrup bars are used as specified and the surface roughened prior to the concrete curing. The gutter line should be checked with the straightedge after the stirrup bars have been placed in the lower portion of the integral curb to verify there are no irregularities.

Where HMA surfaces are constructed adjacent to curb or combined curb and gutter, the concrete must be adequately covered to prevent marring by the HMA material or by tack.

17.2 HMA CURBING *(Rev. 09-29-09)*

The material used unless otherwise specified will be as set out in Section 400 of the SS.

The machine used to place the curb is generally an extruding type machine that forces the HMA mixture through a mule/mold conforming to the typical section.

Irregular sections may be formed and the material placed and compacted by hand methods.

Just prior to the placing of the HMA curb, the base must be thoroughly cleaned of all foreign material. If it is found that the curb will not adhere to this base, the base must receive a tack coat, as provided in Section 605 of the SS.

The Contractor will not be permitted to proceed when the material is not extruding to the desired section and density. Any substandard curb will be removed and replaced.

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