

SECTION 7 – COMPACTED AGGREGATE BASE, SURFACE, OR SHOULDERS

7.1 SUBGRADE OR SUBBASE *(Rev. 04-11-09)*

In general, the following will apply to subgrade prior to placing compacted aggregate:

- (a) The subgrade is to be treated in accordance with 207.04. Refer to the typical sections to determine the required type of subgrade treatment.
- (b) The subgrade should be brought to grade and section at least 500 ft ahead of the placing of the aggregate. Be sure the side ditches are adequate to provide proper drainage for the subgrade.

7.2 MATERIALS *(Rev. 04-11-09)*

Unless otherwise provided compacted aggregate bases, surfaces, and shoulders shall be in accordance with Section 904.02 of the SS.

The percent of moisture must be recorded on the weigh tickets by the supplier as required by Section 109 of the SS. Check in the current specifications for the percent of moisture over which deductions must be made.

7.3 PLACING AND COMPACTING AGGREGATE *(Rev. 04-11-09)*

In general, the aggregate must be laid to the depth specified by the typical sections and in accordance with Section 301 or 303 of the SS, as appropriate. Frequent checks must be made to determine whether the quantity being placed is in close proximity with the planned quantity. On compacted aggregate base, surfaces, and shoulders, depth determinations are to be made and permanently recorded by date, location and depth.

Rolling should follow immediately behind the spreading in order to take advantage of the moisture in the aggregate. Some additional wetting may be necessary for proper compaction. If traffic is permitted on the material, it should be kept well dispersed and, if possible, the surface should be kept moist. On approaches, runarounds, etc., 100% dry density is desired but the test may be waived if the section is 500 ft or less in length. During all of the placing and compaction, care should be taken to prevent segregation. Segregated areas should be removed and replaced. “Tailgating” of material is not permitted, except in areas inaccessible to the spreader. The finished course should be checked for proper cross section and smoothness longitudinally with a rolling 16 ft straightedge set to 1/2 in. clearance. Any variations exceeding the 1/2 in. clearance shall be corrected.

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