

5220400 CONCRETE SIDEWALK AND DRIVEWAYS  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (Internal 11-30-21 sent as comment within review for 5200100)

- Specification Section 120 – Excavation & Embankment, does NOT require compaction of native materials for construction in cut sections. Compaction requirements are for fill areas only. Lift thicknesses for fill are outlined in the Specification Section 120.
- There is no need to change or regurgitate the spec in Section 522. It should be determined by the material being used in the embankment, just as it is under the roadway.

Response: Embankment compaction is required when there is disturbance in cut areas, therefore, there is visual inspection to ensure that the top of embankment is not disturbed. Section 120-9.4 does specify specific density requirements for both cut and fill areas at the absence of stabilizing material (cushion between two differentiating bearing strength material). The original requirements for 522 was that all fill areas regardless of the depth for sidewalk needed compaction. The new lessened requirement is to only have top 2 feet density tested for fills that is greater than a foot. Furthermore, perform densities up to 1-foot for cut sections and fills less than a foot. The 2 feet density requirement is similar to the spread footer requirements of 455-31. We have utility trucks and other temporary traffic on sidewalks where proper compaction is needed for sidewalks in both cuts and fills to prevent cracking.

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