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| To: | Studies & Plans Squads PPM 30-01 |
| From: | Craig Emberton Revised: Scott Neihart |
| Subject: | Aggregate Shoulders, Base & Surface Courses |
| Date: | January 6, 2004 Revised: April 1, 2016 |
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**PLAN PREPARATION MEMORANDUM 30-01**

Applicable District Details should be utilized for the placement of aggregate shoulders, base and surface courses. Items which specify a thickness will be measured for payment as a square yard item.

Aggregate Shoulders, Aggregate Base Course, and Aggregate Surface Course Type A or B which are to be measured for payment in tons should be calculated in cubic yards and converted to tonnage by multiplying with a factor of 1.8.

Designers are reminded to include enough shoulder quantities to mitigate any existing shoulder drop-offs and to meet maximum slope requirements.

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