



# Illinois Department of Transportation

## Memorandum

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To: Studies & Plans Squads PPM 30-01  
From: Craig Emberton By: Tim Brandenburg  
Subject: Aggregate Shoulders, Base & Surface Courses  
Date: January 6, 2004

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### PLAN PREPARATION MEMORANDUM 30-01

#### BACKGROUND

This memorandum combines and supercedes Plan Preparation Memorandums 64.10, Gravel or Crushed Stone Base Courses, dated May 27, 1964; 73.41, Aggregate Base Courses, dated November 26, 1973 and 76.73, Aggregate Shoulders, Type A & Subbase Granular Material, Type C, Aggregate Base and Surface, Type A & B, dated September 23, 1976 and supplements our District Details in providing uniformity of District preference in uses of aggregate shoulders, base and surface courses.

#### PROCEDURE

Applicable District Details should be utilized for the placement of aggregate shoulders, base and surface courses. When measurement for payment will be in tons the following practices should be used. Items which specify a thickness will be measured for payment as a square yard item and will not require conversion to tons. The Bureau of Materials uses "Conversion Factors for Pay Item Units to Material Units" for verification of final pay item quantities. These factors should also be used for calculation of converting cubic yard items to tonnage pay items. Designers should consult respective Project Engineers and the Bureau of Materials when using these conversion factors. A reduced version of these factors should be used by designers and is as follows:

Aggregate Shoulders, Aggregate Base Course, and Aggregate Surface Course Type A or B measured for payment as a tonnage item should be converted from cubic yards by multiplying with a factor of 1.8.