

 <p style="text-align: center;">Montana Department of Transportation</p> <p style="text-align: center;">CONSTRUCTION MEMO</p>	Date Issued: 6/6/08
	Date Effective: 6/6/08
	Related Specifications:
Subject: Plant Mix Special Provisions	

To: Distribution

From: Matthew R. Strizich, P.E. *Matthew R. Strizich*
Materials Engineer

The standard Special Provisions covering plant mix used on MDT projects have recently been revised. These changes are outlined below, along with guidance on necessary plan revisions. The new Special Provisions are effective for all projects starting with the August 2008 letting.

- The Grade S Volumetrics special provision has been revised. Grade S plant mix and this special provision should be used on all projects with a plant mix plan quantity of more than 8,000 tons. Under no circumstances should it be used on projects with a plan quantity of less than 8,000 tons.
- A new Commercial Mix special provision has been developed. The new special provision replaces the Grade D Commercial Tested, Grade D Commercial Non-tested, and Grade S Non-Volumetrics specials currently being used. This special should be used on all projects with a plan quantity of less than 8,000 tons. It can also be used on projects with over 8,000 tons when warranted by the specifics of the project, although Grade S Volumetrics is preferred.

No plan changes will be required with the new Grade S Volumetrics special provision. Projects with more than 8,000 tons of plant mix that currently specify Grade S Non-volumetrics, will need to be changed to Grade S Volumetrics.

Commercial Mix will require the following:

- Select the appropriate bid item based on the PG binder recommendation from Surfacing Design. The following options are available.
 - English
 - 401020021 Ton Commercial PI Mix – PG 70-28
 - 401020022 Ton Commercial PI Mix – PG 64-28
 - 401020023 Ton Commercial PI Mix – PG 58-28

Metric

- 401020505 Ton Commercial PI Mix – PG 70-28
- 401020506 Ton Commercial PI Mix – PG 64-28
- 401020507 Ton Commercial PI Mix – PG 58-28

- The Plant Mix heading shown in the surfacing frame should match the bid item selected for the job. Include the PG binder grade.
- Include the following in the basis of plan quantity when Commercial Mix is specified.
 - Asphalt Cement – Grade S ¾” Agg 5.4%
 - Asphalt Cement – Grade S ½” Agg 5.8%
 - Asphalt Cement – Grade D 6.0%
 - Hydrated Lime 1.4%
 - Tack (asphalt surfaces) 0.025 gal per sq. yard (undiluted)
 - Tack (all other surfaces) 0.050 gal per sq. yard (undiluted)
- Do not show estimated quantities in the surfacing frames for the following items:
 - Hydrated Lime
 - Asphalt Cement
 - Tack

NOTE: Quantities for Hydrated Lime and Asphalt Cement should still be shown when associated with Grade S Volumetric Plant Mix Surfacing.
- Eliminate the columns for asphalt cement and tack currently shown in the Quantities frames shown under each typical section. NOTE: Quantities for Asphalt Cement should still be shown when associated with Grade S Volumetric Plant Mix Surfacing.
- Do not show estimated approach quantities in the Notes section for the following items:
 - Asphalt Cement
 - Tack

NOTE: Quantities for Asphalt Cement should still be shown when associated with Grade S Volumetric Plant Mix Surfacing.
- A separate special provision eliminating acceptance testing on the commercial mix will be available. Districts will choose whether to exclude testing on the Commercial Mix on the questionnaire sent out by Contract Plans prior to advertising.

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