



Construction Policy Bulletin

CPB 17-2 Crumb Rubber Usage

References: *Construction Manual*

Section 4-39, "Hot Mix Asphalt"
Section 4-92, "Asphalts"

Effective Date: July 15, 2017

Approved: 
RACHEL FALSETTI, Chief
Division of Construction

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New Procedure

For the California Department of Transportation (Caltrans) to more accurately report crumb rubber usage and ensure compliance with California Public Resources Code, Section 42703, new contract requirements are being implemented. For projects using revised *Standard Specifications* dated April 15, 2016 or later, ensure the following new specification requirements are followed when asphalt rubber binder or performance grade modified asphalt binder containing crumb rubber are used:

- Crumb rubber modifier (CRM) supplier must be on the authorized materials list for crumb rubber modifier. The list of authorized CRM materials suppliers is available at:
http://www.dot.ca.gov/hq/esc/approved_products_list
- Production equipment for performance grade modified asphalt binder with CRM must be authorized under Caltrans' Material Plant Quality Program.
- To improve accuracy of reporting CRM usage, new Form CEM-4410, "Crumb Rubber Usage Report," must be submitted monthly and at the end of the project by contractors to the resident engineer and to email account CRM@dot.ca.gov. The form is available at:

<http://dot.ca.gov/hq/construc/forms.htm>

Background

Caltrans must report the amount of crumb rubber used in asphalt paving material annually to comply with Public Resources Code, Section 42703. In addition, the code requires that CRM used must be manufactured in the United States and be derived from waste tires taken from vehicles owned and operated in the United States. For CRM to be placed on the Caltrans authorized material list, the listed manufacturer must ensure CRM meets quality characteristic requirements and they have a documentation process of the waste tire chain of custody system in place to verify that the source of the waste tires are only from vehicles owned and operated in the United States.

Section 4-39, “Hot Mix Asphalt,” and Section 4-92, “Asphalts,” provide existing guidance for crumb rubber modifier used in asphalt rubber binder and performance graded modified asphalt binder.

If you have questions regarding this bulletin, please contact Pete Spector, Division of Construction, at pete.spector@dot.ca.gov or (916) 227-7306.