

Memorandum

*Flex your power!
Be energy efficient!*

To: CALTRANS ROCK PRODUCT COMMITTEE COCHAIRS

Date: April 11, 2011

From: CATHRINA B. BARROS
Chief, Independent Assurance and
Reference Sample Program
Materials Engineering and Testing Services and
Geotechnical Services
Division of Engineering Services

Subject: **Approval Process for New Warm Mix Asphalt Technologies**

Warm mix asphalt (WMA) technology allows the mixing and placement of asphalt mix temperatures significantly lower than those used with conventional hot mix asphalt. Lower mixing and placement temperatures provide the following benefits: fuel conservation, lower emissions, reduced worker exposure to asphalt fumes and improves workability of asphalt at lower temperatures. WMA is one of the focused areas selected for Federal Highway Administration (FHWA's) Every Day Counts "Accelerated Technology and Innovation Deployment" initiative.

The California Department of Transportation (Caltrans), in coordination with Industry, Academia and FHWA, has developed an approval process for WMA technologies to be used in Caltrans. The objective of the approval process is to fast-track the assessment and implementation of new WMA technologies.

A portion of the approval process includes a comprehensive report provided by the supplier of the warm mix technology. This comprehensive report details laboratory testing and field performance evaluation of the warm mix technology. The detailed approval process is attached.

The following warm mix technologies have been approved in accordance with the evaluation process: Advera, Evotherm, Rediset WMX.

The list of approved technologies will be posted on the New Products Pre-Qualified Products Lists (Authorized Materials List).

http://www.dot.ca.gov/hq/esc/approved_products_list/

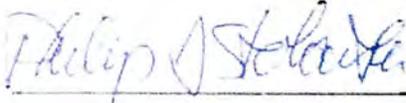
If you have any questions regarding the approval process, please feel free to contact me at (916) 227-7162. Thank you.

CATHRINA BARROS

April 11, 2011

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APPROVED BY:



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PHILIP J. STOLARSKI

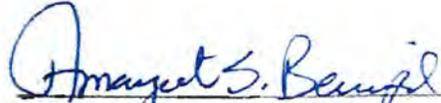
Date

State Materials Engineer

Materials Engineering and Testing Services and

Geotechnical Services

Division of Engineering Services



4/11/11

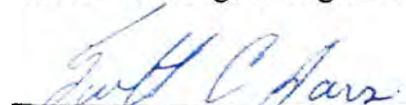
AMARJEET S. BENIPAL

Date

State Pavement Engineer

Pavement Program

Division of Maintenance



4-11-11

SCOTT JARVIS

Date

Assistant Chief

Division of Construction

Attachments

c: Tony Limas, Granite Construction