



May 22, 2013

County of Marin  
Department of Public Works  
P.O. Box 4186  
San Rafael, CA 94903

**RE: Modification to Marin County Surface Mining and Quarrying Permit #Q-72-03**

Dear Eric,

Enclosed please find Dutra Materials' application to modify its Quarrying Permit. The modification requested would allow Dutra to accept grindings from paving projects in Marin County for re-use as recycled asphalt pavement (RAP) in hot mix asphalt. Acceptance of grindings and the utilization of RAP in Hot Mix Asphalt has become an industry standard over the past few years. Modification of the permit would allow Dutra to maintain sustainable best practices associated with the asphalt pavement industry.

The benefits of accepting grindings and utilizing recycled asphalt pavement are well known. A few examples are:

- Utilization of RAP is a sustainable construction method and factored into LEED certification.
- Acceptance of RAP diverts material from landfills.
- RAP contains oil which thereby reduces the demand for virgin oil.
- Grind and pave operations gain efficiencies.
- Reduces total truck miles associated with projects.
- 100% recyclable.
- Consistent with AB 812. (see attached)
- Potential to reduce costs to Marin County projects.

Acceptance of grindings will not increase truck trips or emissions. Trucks importing grindings would leave the quarry with Hot Mix Asphalt and return to the quarry loaded with grindings. Grindings brought to our site would be deposited into a stockpile and the stockpile would be maintained consistent with our dust mitigation procedures; as any other stockpile onsite would.

THE DUTRA GROUP

The stockpile of grindings would be located near the asphalt plant as shown in the attached site plan. Once grindings have been processed into RAP, the rap would be introduced into our asphalt plant by way of feed hopper and conveyor. The introduction of RAP to the asphalt plant does not change the annual permitted throughput or permitted truck trips. It simply replaces approximately 15-25% of the virgin rock and approximately 1% of virgin asphaltic oil.

Dutra has consulted with Bay Area Air Quality Management District regarding air permits associated with the utilization of RAP. The District has indicated that new source permits would be needed for the additional conveyor and feed hopper located at the asphalt plant. Because Dutra currently has multiple conveyors and feed hoppers which are under utilized, we can remove a feed hopper and conveyor from under the current permit and apply a 3 year average emissions baseline towards the new permitted emissions. The net effect would be a reduction in overall permitted emissions.

Importation of grindings does not affect the reclamation plan as 100% of imported grindings would be recycled for use in new hot mix asphalt.

Dutra prides itself on being a steward of the environment. Importation of grindings and the utilization of RAP will allow Dutra and Marin County to further our partnership in sustainable business practices.

Feel free to contact me should you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read 'A. Johnson', with a long horizontal flourish extending to the right.

Aaron Johnson

APPLICATION FOR SURFACE MINING OR QUARRYING PERMIT

\$700.00 Filing Fee to be attached.

TO: County of Marin  
Department of Public Works  
P.O. Box 4186, Civic Center  
San Rafael, California 94903

Date 5/17/13

Gentlemen:

The undersigned hereby applies for permission to surface mine or quarry in unincorporated areas of the County of Marin by performing the following work:  
(Applicant will describe here fully what he wishes to do using reverse side or extra sheets if necessary and attach two copies of plans and reports.

Applicant's Attention is Directed to Section 23.06 of the Marin County Code.

San Rafael Rock Quarry requests a modification to Condition #3 of Permit # Q-72-03 to allow importation of asphalt grindings from projects located within Marin County. Importation of grindings will not increase truck trips or air emissions beyond what is currently permitted. See attachments for further detail.

ACREAGE OF LAND AFFECTED \_\_\_\_\_  
IN THE COUNTY OF MARIN AT 1000 Point San Pedro Road San Rafael  
Street Address City  
Heritage Dr. 184-010-52  
Nearest Cross Street Assessor's Parcel Number

Applicant agrees to do work in accordance with Marin County Code Section 23.06 and the rules and regulations of the Marin County Planning Commission and the Marin County Department of Public Works subject to its inspection and approval.

[Signature]  
Operator's Signature

Aaron Johnson  
Operator's Name - PRINT

2350 Kerner Blvd Suite 200  
Operator's Post Office Address

San Rafael 94901  
City Zip Code

415-459-7740  
Telephone

[Signature]  
Owner's Signature

Bill Dutra  
Owner's Name - PRINT

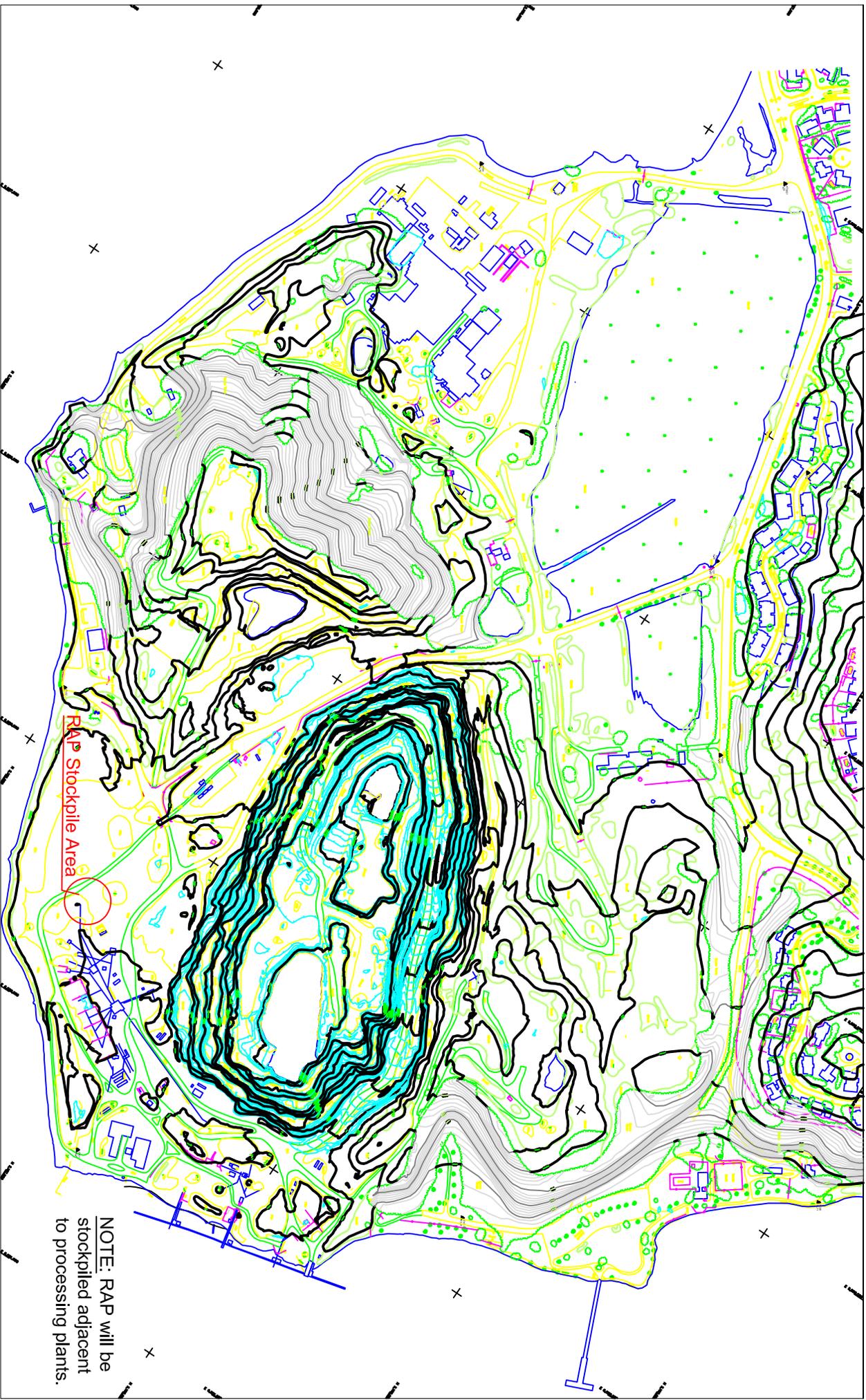
2350 Kerner Blvd Suite 200  
Owner's Post Office Address

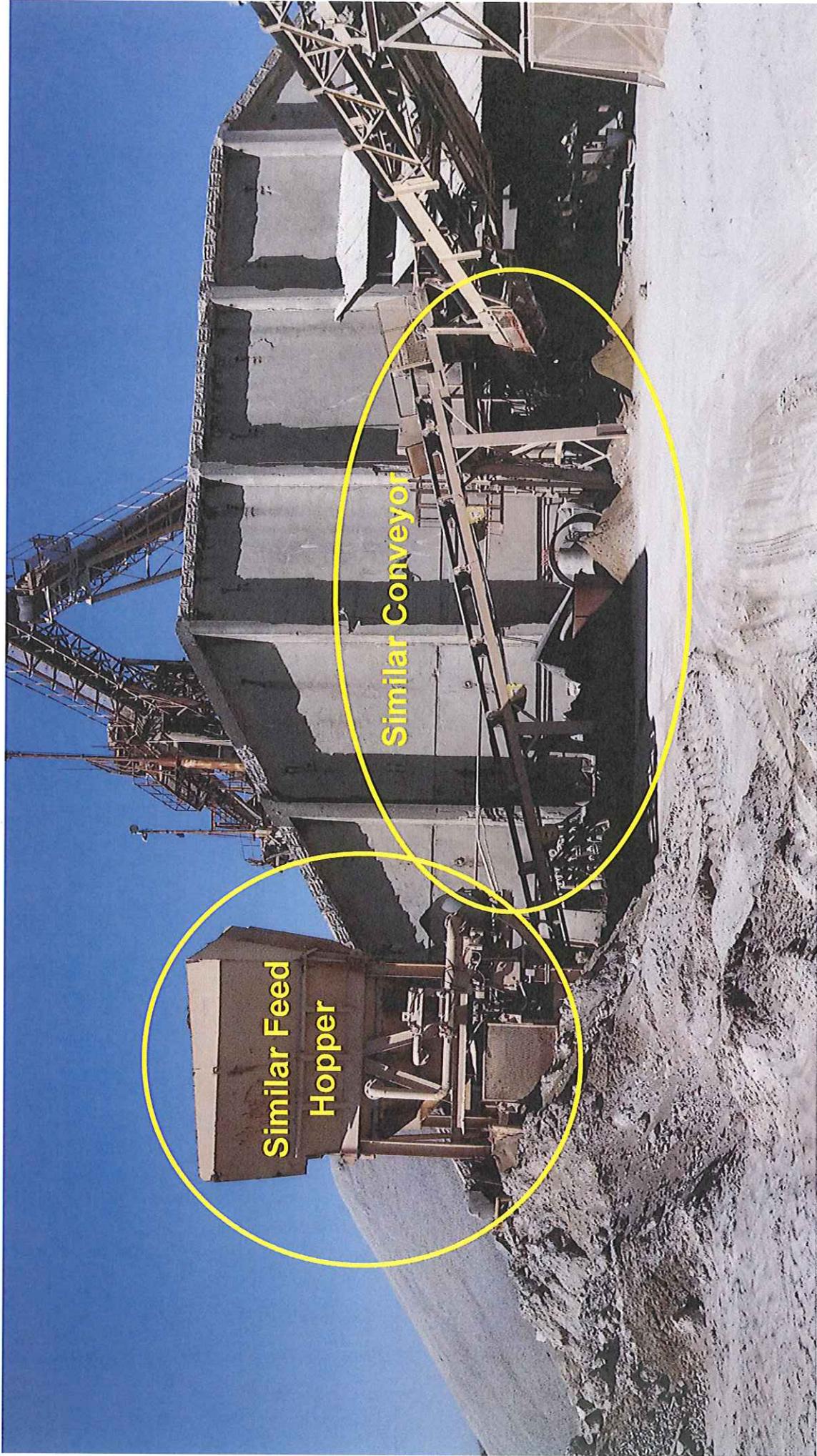
San Rafael 94901  
City Zip Code

415-258-6876  
Telephone

MARIN COUNTY Area \_\_\_\_\_  
Permit No. \_\_\_\_\_ Prep. by \_\_\_\_\_  
Parcel No. \_\_\_\_\_  
Amt. of Inspection Fee \_\_\_\_\_  
Amt. of Surety Bond \_\_\_\_\_  
Permit Issued \_\_\_\_\_

# SAN RAFAEL ROCK QUARRY - GRINDINGS SITE PLAN

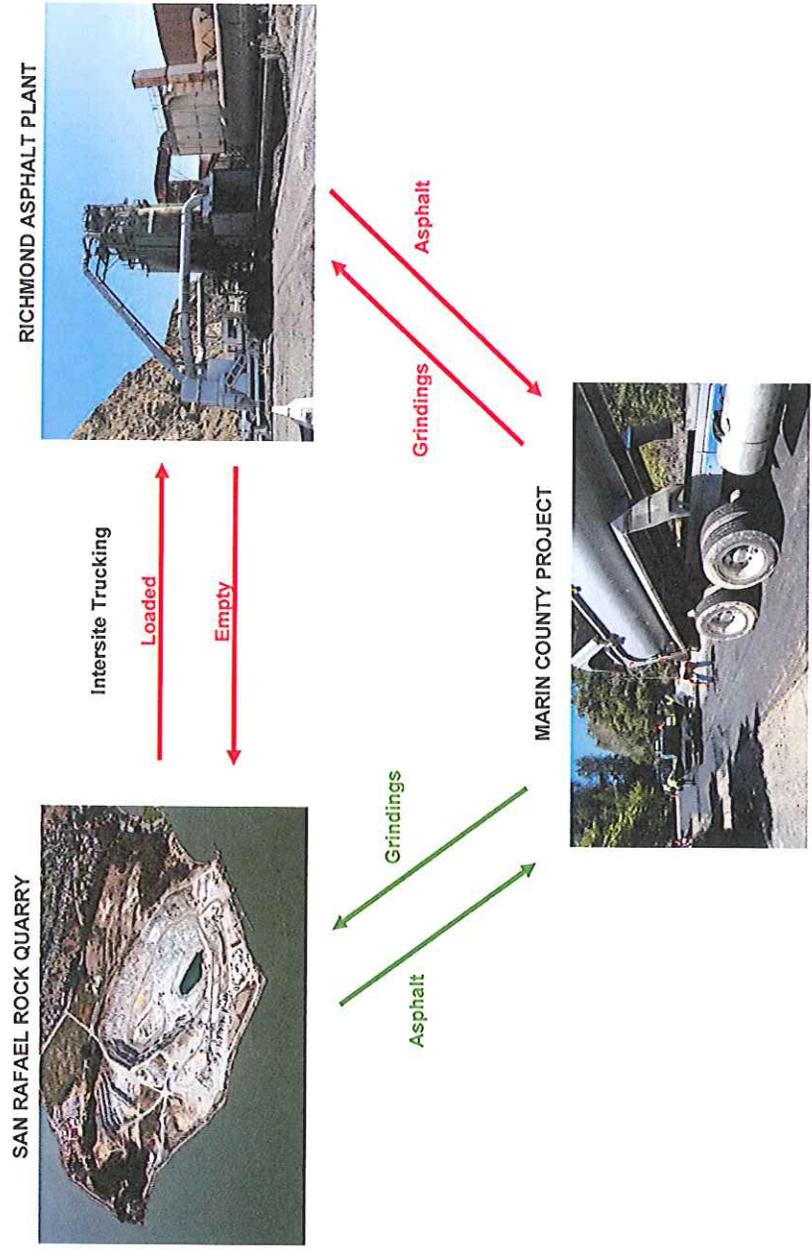




**Similar Feed  
Hopper**

**Similar Conveyor**

# TRUCKING SCENARIOS



**Assembly Bill No. 812**

**CHAPTER 230**

An act to add Section 42704 to the Public Resources Code, relating to solid waste.

[Approved by Governor September 7, 2012. Filed with Secretary of State September 7, 2012.]

**LEGISLATIVE COUNSEL'S DIGEST**

AB 812, Ma. Solid waste: recycled asphalt.

Under existing law, it is the policy of the state to conserve and protect resources by encouraging the recycling of solid waste and the purchase of those recycled materials, including recycled concrete and rubberized asphalt concrete.

Under existing law, in purchasing any materials to be used in paving or paving subbase for use by the Department of Transportation or any other state agency that provides road construction and repair services, the State Procurement Officer is required to make contracts available for those items that use recycled materials.

Existing law also requires the State Procurement Officer to make contracts available that use crumb rubber, as defined, unless the Director of Transportation determines that the use of the materials is not cost effective based on specified factors.

This bill would authorize the Department of Transportation, by January 1, 2014, to establish specifications for the use of reclaimed asphalt pavement (RAP) of up to 40% for hot mix asphalt mixes. The bill would specify that this authorization does not limit the authority of the department to establish specifications for this use of reclaimed asphalt pavement in amounts greater than 40%. The bill would require the department to submit a report to the Legislature, by March 1, 2016, on its progress, since the year 2011, toward the development and implementation of these specifications.

*The people of the State of California do enact as follows:*

SECTION 1. Section 42704 is added to the Public Resources Code, to read:

42704. (a) On or before January 1, 2014, the Department of Transportation may, with input from the Caltrans/Industry Rock Products Committee, establish specifications for the use of reclaimed asphalt pavement (RAP) of up to 40 percent for hot mix asphalt mixes.

(b) Subdivision (a) does not limit the authority of the Department of Transportation to establish specifications for the use of reclaimed asphalt pavement in amounts greater than 40 percent for hot mix asphalt mixes.

(c) (1) On or before March 1, 2016, the Department of Transportation shall submit a report to the Legislature in compliance with Section 9795 of the Government Code on its progress, since the year 2011, toward the development and implementation of the specifications for reclaimed asphalt pavement, as specified in subdivision (a).

(2) This subdivision shall become inoperative on March 1, 2020, pursuant to Section 10231.5 of the Government Code.