

## **I-5 North Coast Corridor Diamond Grinding Pilot Project**

Dear Stakeholder:

This broadcast is sent to brief you about a Caltrans' pilot project that began **Tuesday, December 14th at 9 p.m.** This pilot project will determine whether vehicle noise produced on our freeways can be reduced using a procedure called diamond grinding. Please see below for details about: 1) what causes freeway noise, 2) what is diamond grinding, 3) how diamond grinding can be a benefit, 4) where this pilot project will be conducted, 5) when it will occur and 6) how to contact us if you have questions.

### **1) What causes freeway noise?**

Contact points between tires and the road account for 75-90% of the overall freeway noise. Vehicles' exhaust systems and engines account for the remainder of the freeway noise, which Caltrans can not control.

### **2) What is diamond grinding?**

Diamond grinding is a concrete pavement restoration technique that corrects irregularities such as unevenness and roughness on freeway concrete pavements.

### **3) How diamond grinding can be a benefit?**

a) It provides a smooth riding surface that is often as good as if not better than new pavement by removing unevenness at joints and cracks, warping of the roadway slabs, and other construction or environmental-related roughness, and

b) it enhances surface texture and friction, which reduces road noise and improves safety.

### **4) Where will the diamond grinding pilot project occur?**

This grinding technique will occur on I-5 between Carmel Valley Road and Leucadia Boulevard.

### **5) When will the construction crew work on diamond grinding?**

From Tuesday, December 14, 2010, to Friday, February 11, 2011 (approximately 61 days of construction). To reduce impacts to travelers, all work will be at night from 9:00 p.m. to 5:00 a.m.

### **6) How can you contact us with questions?**

If you have any questions regarding this pilot project, please contact the Caltrans Public Information Office at (619) 688-6670.

Thank you,

Caltrans Team