

INFORMATION HANDOUT

For Contract No. [10-0Y2604](#)

At [Sta - 33 - 14.5/17.9](#)

Identified by

Project ID [10001000000043](#)

MATERIALS INFORMATION

- [1. Summary of Investigations](#)
- [2. Cold In-Place Recycling Information Handout](#)

Summary of Investigations

Pavement investigations were conducted on In Stanislaus County on Route 33 from PM 14.5 to PM 17.9 for cold in-place recycling. Cores indicate that the engineering properties of these materials may be improved to provide sufficient strength required to extend the life of this pavement for few years by recycling the upper portion with asphalt emulsion and capping with hot mix asphalt.

The general structural section is hot mix asphalt over aggregate base. Cores indicate a depth of hot mix asphalt that range from 0.51 foot to 0.70 foot. Most core samples were delaminated. The bottom layers of the cores are cracking.

The existing asphalt concrete appears to have some pumping failures, transverse and longitudinal cracking, and isolated alligator cracking.

Any reliance placed by the contractor on this information shall be at their own risk and they shall undertake their own separate testing program to determine the materials present and conditions prevailing at the time of construction.

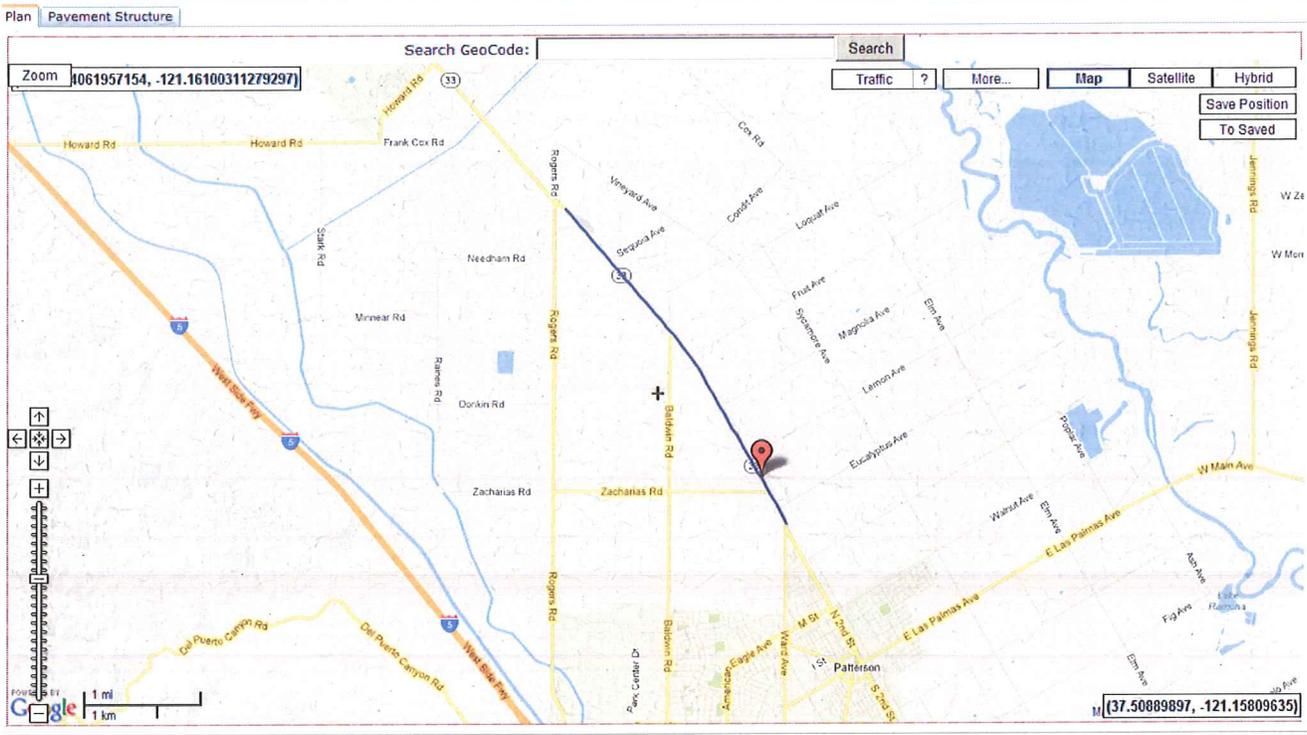
AC Thickness Chart

PM 14.5	0.55'
PM 15.1	0.66'
PM 15.5	0.65'
PM 16.0	0.70'
PM 16.5	0.70'
PM 17.0	0.59'
PM 17.5	0.51'
PM 17.8	0.97'

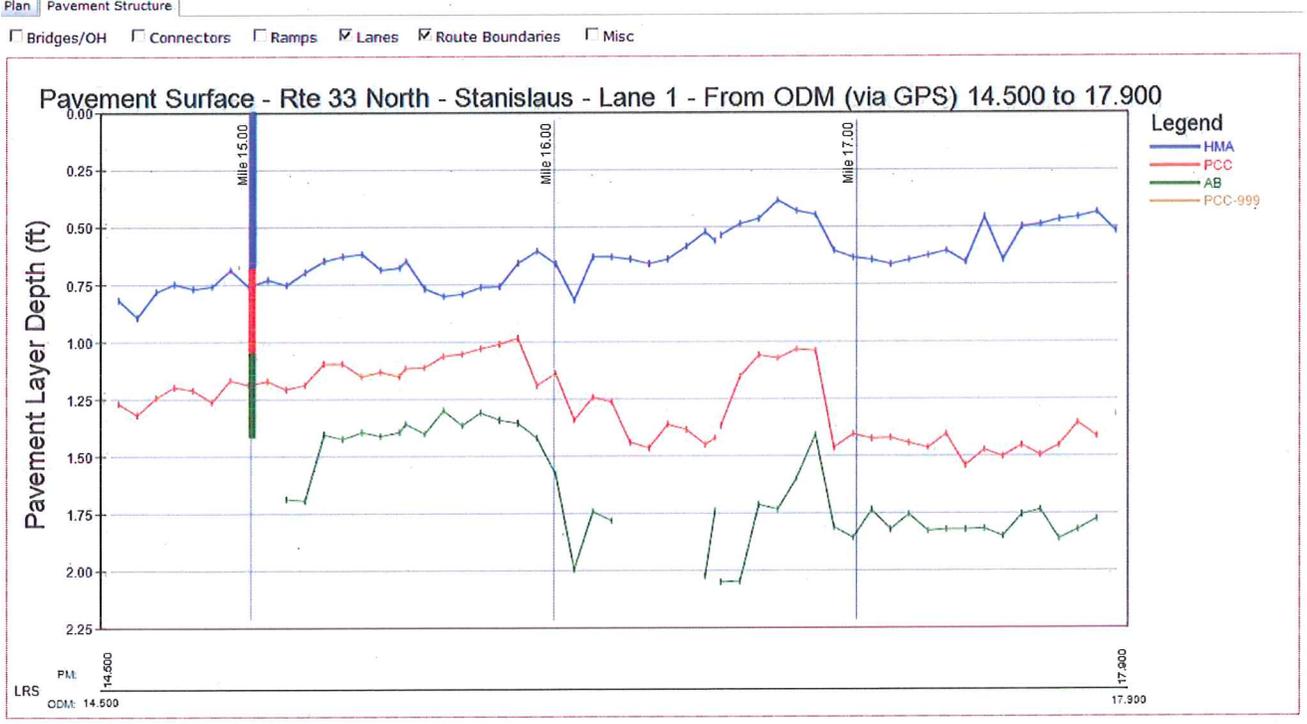
COLD IN-PLACE RECYCLING INFORMATION HANDOUT.

EA 10-0Y2601; PROJECT ID: 1013000125

Route	Direction	District	County	Lane	Start/End Range (mi)		Inc		
33	North	District 10	Stanislaus	1	14.500	17.900	3.000		
					County ODM	14.500	17.900		
					Associated PM	14.500	17.900		



Route	Direction	District	County	Lane	Start/End Range (mi)		Inc		
33	North	District 10	Stanislaus	1	14.500	17.900	3.000		
					County ODM	14.500	17.900		
					Associated PM	14.500	17.900		



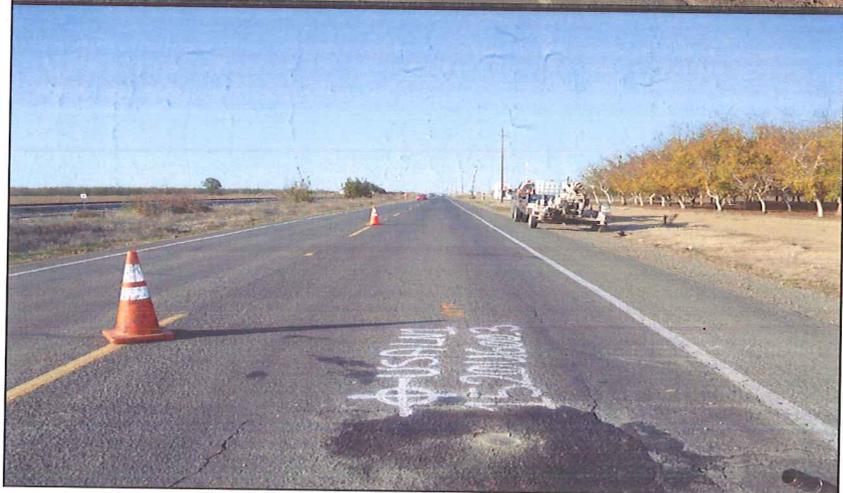
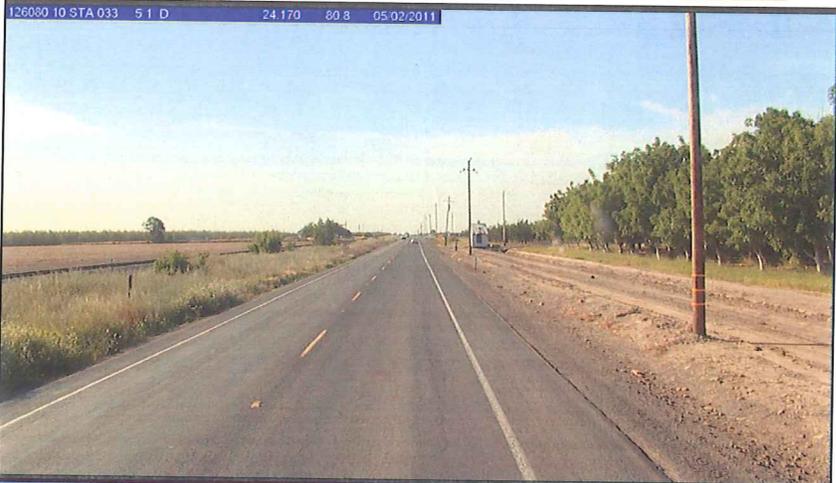
FINAL CORE LOG

1520U600_3



Batch:
 County:
 Route:
 District:
 Post Mile Field:
 Direction:
 Lane: OF
 Latitude - Roadware:
 Longitude - Roadware:
 GPSLatitude -post:
 GPSLongitude -post:
 ImageID aran:
 field roadview pic:

Group: 222
 Date_Cored: 12/01/2011



Comments

Material Type Legend

HMA - hot mix asphalt surface (any seal coats or other surface treatments less than 30 mm in thickness can be included in the HMA layer)

ASURF - seal coats or other surface treatments greater than 30 mm in thickness

PCC - Portland cement concrete

AB & ASB - granular base & subbase below the surface (In cases where the AB & ASB cannot be differentiated the combined layer should be identified as AB)

ACB - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

CTB - cement bound layers below the surface layer that are not PCC

Non-Pavement Feature (NPF) - depth to the top of any culverts, pipes or other non-pavement features within the GPR profile

CORE LAYER DATA (from top to bottom)

Layer Type	Layer Characteristic	Layer Thickness				
		1	2	3	4	Avg
HMA	1/2" max coarse	160	160	160	160	160
HMA	1/2" max coarse [BROKEN]	47	47	47	47	47
PCC	1-1/4" max	113	113	113	113	113
AB	Granular base, 1" max	110				110
SG	(SM) dark brown					0
Sum		430	320	320	320	430

*Note: For bound core material need to measure the length of core material at 4 separate locations each 900 to each other

