

FOR CONTRACT NO.: 02-2C4604
PROJECT ID: 0200020005

INFORMATION HANDOUT

MATERIALS INFORMATION

INVESTIGATIONS OF EXISTING MATERIALS FOR COLD FOAM IN-PLACE
RECYCLING

OREGON DEPARTMENT OF TRANSPORTATION APPLICATION AND PERMIT
TO OCCUPY OR PERFORM OPERATIONS UPON A STATE HIGHWAY

ROUTE: 02-Mod, Sis-139-34.0/50.7,0.0/5.1

MATERIALS HANDOUT INFORMATION

Contract Number
02-2C4604

02-MOD-139
PM 34.0/50.7

Roadway Rehabilitation

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Summary of Investigations

Investigations carried out on the existing road, MOD-139 PM 34.0/50.7, indicate that these materials are suitable for recycling. Laboratory tests conducted on samples extracted from test-pits indicate that the engineering properties of these materials may be improved to provide sufficient strength required to extend the life of this pavement for ten years by the addition of foamed bitumen.

The existing AC appears to be severely oxidized with the majority of the roadway exhibiting failures in all wheel paths. Typical failure mode appears to be severe alligator and block cracking. Rutting (greater than 15-mm) is prevalent in the wheel path of the all lanes. The roadway showed some areas of repeated failure and repair with coring data showing multiple lifts and full depth digouts.

During investigations, five distinct sections were identified with poor base material characteristics based on Falling Weight Deflectometer (FWD) and Dynamic Cone Penetrometer (DCP) testing. These sections will have the structural section removed and replaced with Class 2 aggregate base and a 0.2' HMA overlay prior to recycling.

Investigations indicated that the material in the existing pavement includes between 0.7 ft and 1.1 ft of AC.

A cold foam mix design was performed utilizing the in-situ material. Based on a foamed asphalt content of 3% by weight of material together with 2% cement by weight of material, the average tensile strength of test specimens was 800 lbs dry and 1100 lbs wet.

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.

Oregon Department of Transportation Application and Permit to Occupy or Perform Operations
Upon a State Highway

<http://www.odot.state.or.us/forms/odot/highway734/3457.pdf>



APPLICATION AND PERMIT TO OCCUPY OR PERFORM OPERATIONS UPON A STATE HIGHWAY

See Oregon Administrative Rule, Chapter 734, Division 55

PERMIT NUMBER

CLASS :	KEY#
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GENERAL LOCATION				PURPOSE OF APPLICATION (TO CONSTRUCT/OPERATE/MAINTAIN)			
HIGHWAY NAME AND ROUTE NUMBER				<input type="checkbox"/> POLE LINE	TYPE		MIN. VERT. CLEARANCE
HIGHWAY NUMBER		COUNTY		<input type="checkbox"/> BURIED CABLE	TYPE		
BETWEEN OR NEAR LANDMARKS				<input type="checkbox"/> PIPE LINE	TYPE		
HWY. REFERENCE MAP		DESIGNATED FREEWAY <input type="checkbox"/> YES <input type="checkbox"/> NO	IN U.S. FOREST <input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> NON-COMMERCIAL SIGN		FEE AMOUNT	
APPLICANT NAME AND ADDRESS				<input type="checkbox"/> MISCELLANEOUS OPERATIONS AND/OR FACILITIES AS DESCRIBED BELOW			
				FOR ODOT USE ONLY			
				BOND REQUIRED <input type="checkbox"/> YES <input type="checkbox"/> NO	REFERENCE: OAR 734-55 035(2)	AMOUNT OF BOND	
INSURANCE REQUIRED <input type="checkbox"/> YES <input type="checkbox"/> NO		REFERENCE: OAR 734-55 035(1)	SPECIFIED COMP. DATE				

DETAIL LOCATION OF FACILITY (For more space attach additional sheets)

MILE POINT	TO	MILE POINT	ENGINEERS STATION	ENGINEERS TO STATION	SIDE OF HWY OR ANGLE OF CROSSING	DISTANCE FROM		BURIED CABLE OR PIPE		SPAN LENGTH
						CENTER OF PVMT	R/W LINE	DEPTH/VERT.	SIZE AND KIND	

DESCRIPTION AND LOCATION OF NON-COMMERCIAL SIGNS OR MISCELLANEOUS OPERATIONS FACILITIES

SPECIAL PROVISIONS (FOR MORE SPACE ATTACH ADDITIONAL SHEETS)

- TRAFFIC CONTROL REQUIRED YES [OAR 734-55-025(6)] NO - OPEN CUTTING OF PAVED OR SURFACED AREAS ALLOWED? YES [OAR 734-55-100(2)] NO [OAR 734-55-100(1)]
- ◆ **AT LEAST 48 HOURS BEFORE BEGINNING WORK, THE APPLICANT OR HIS CONTRACTOR SHALL NOTIFY THE DISTRICT REPRESENTATIVE AT TELEPHONE NUMBER:** _____ **SPECIFY TIME AND DATE IN THE SPACE BELOW.**
- ◆ **OR FAX A COPY OF THIS PAGE TO THE DISTRICT OFFICE AT:** _____
- ◆ A COPY OF THIS PERMIT AND ALL ATTACHMENTS SHALL BE AVAILABLE AT THE WORK AREA DURING CONSTRUCTION.
- ◆ **ATTENTION: Oregon Law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center at (503) 232-1987. CALL BEFORE YOU DIG 1-800-332-2344**

COMMENTS - ODOT USE ONLY

IF THE PROPOSED APPLICATION WILL AFFECT THE LOCAL GOVERNMENT, THE APPLICANT SHALL ACQUIRE THE LOCAL GOVERNMENT OFFICIAL'S SIGNATURE BEFORE ACQUIRING THE DISTRICT MANAGER'S SIGNATURE.

LOCAL GOVERNMENT OFFICIAL SIGNATURE		TITLE	DATE
X			
APPLICANT SIGNATURE	APPLICATION DATE	TITLE	TELEPHONE NO.
X			
When this application is approved by the Department, the applicant is subject to, accepts and approves the terms and provisions contained and attached: and the terms of Oregon Administrative Rules, Chapter 734, Division 55, which is by this reference made a part of this permit.			DISTRICT MANAGER OR REPRESENTATIVE
			X
			APPROVAL DATE

