

MATERIALS INFORMATION HANDOUT

**Contract Number
08-1E2204**

**08-SBd-127
PM 3.00 / 10.50
PM 37.70 / 41.47**

Cold In-Place Recycling

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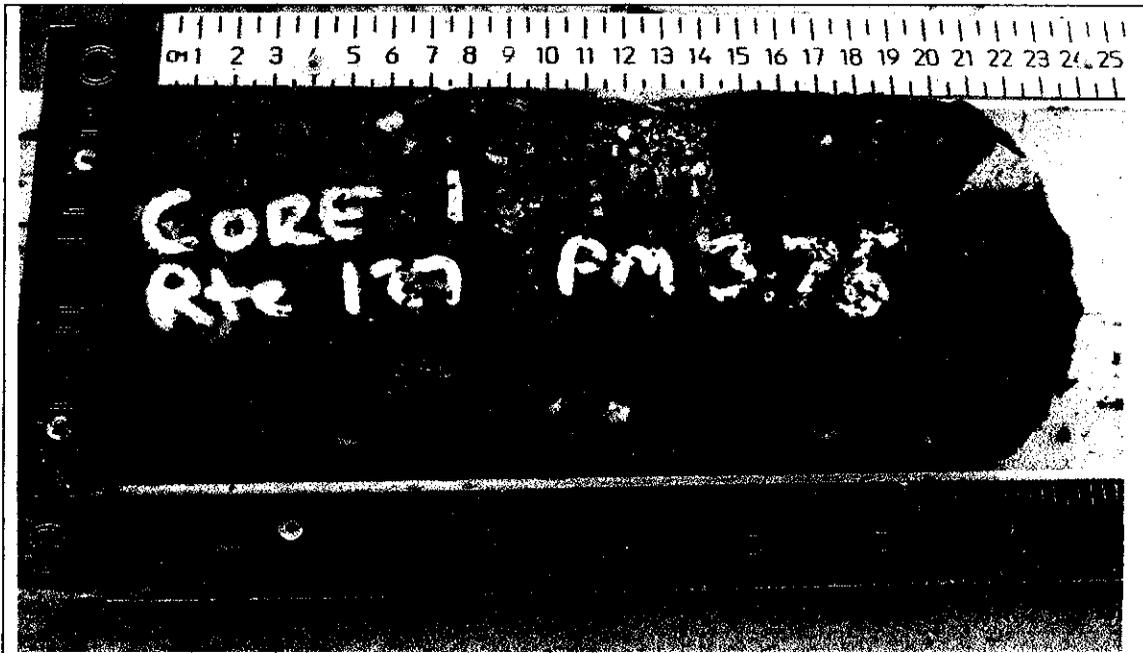
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Summary of Investigations

Pavement investigation was conducted September 24th 2013 on Route 127 from PM 3.0 to 10.5 and PM 37.70 to 41.47 for cold in-place recycling. A total of thirteen cores were measured and photographed. Ground Penetrating Radar (iGPR) was consulted in choosing locations to be cored, locations were selected where iGPR indicated the thinnest structural sections, cores were located within a foot of the edge of travel way.

The general structural section consists of hot mix asphalt over a road mixed pavement over native material. The cores range in depth from 0.35' to 0.89' with most of the cores between 0.40' and 0.50'.

The existing asphalt concrete appears to have some transverse and longitudinal cracking, block cracking and isolated alligator cracking. The majority of core samples and historical data indicate that rubber surface treatments may have been used in the past.



Core # 1 N/B, Lane # 1 PM 3.75 Total Thickness 0.72'

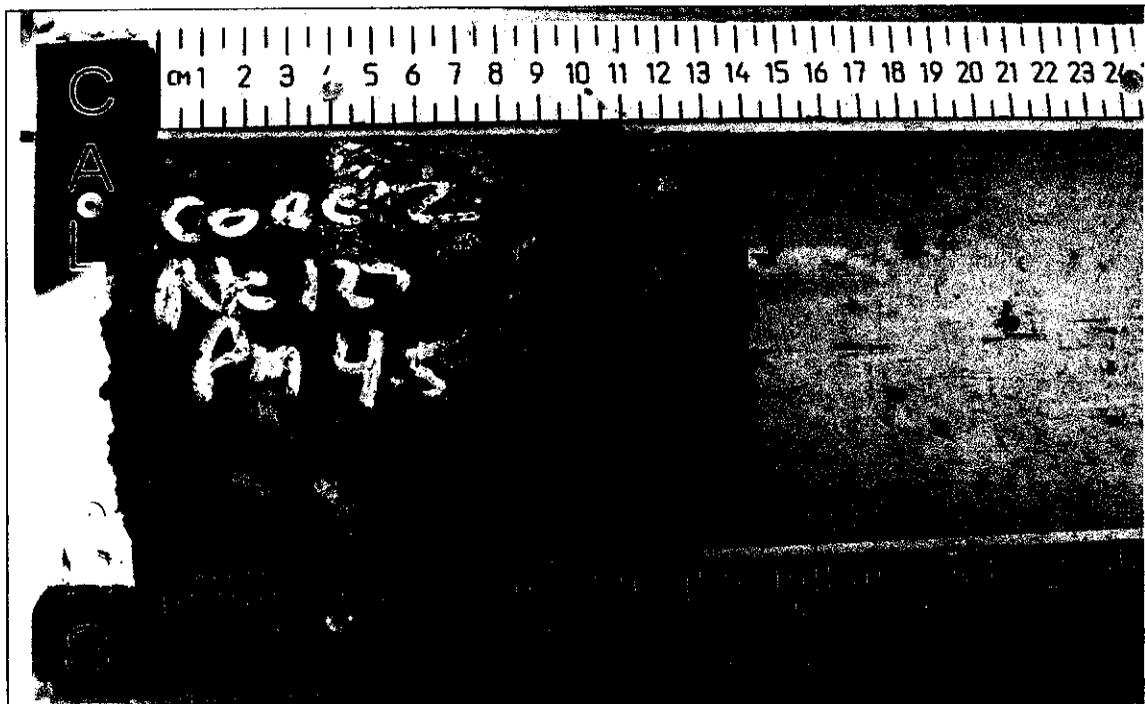


Log Of Core Hole

District-County-Road-PM/PM: 08-SBd-127 PM 3.00 / 10.50 & 37.70 / 41.47
Expense Authorization (EA): EA 08-1E220 PN 0813000190
Date Of Coring: 24-Sep-13
Coring Rig Operator: Steve Dickey & Ali Taha

Core Hole Location

Post Mile	Direction, Lane	Photo Name	Layer 1	Layer 2	Layer 3	Class II AB or Native	Total Thickness	Remarks
3.75	N/B, Lane # 1	Core 1	0.02' SC	0.42' DG	0.28' RM	NAT	0.72'	
4.50	S/B, Lane # 1	Core 2	0.02' SC	0.42' DG		NAT	0.44'	Core shows rubber material. Core delaminated.
5.25	S/B, Lane # 1	Core 3	0.02' SC	0.28' DG	0.20' RM	NAT	0.50'	Core shows rubber material.
6.50	N/B, Lane # 1	Core 4	0.02' SC	0.42' DG		NAT	0.44'	Core shows rubber material.
7.75	N/B, Lane # 1	Core 5	0.02' SC	0.27' DG	0.30' RM	NAT	0.59'	Core shows rubber material. Core delaminated.
8.25	S/B, Lane # 1	Core 6	0.02' SC	0.22' DG	0.12' RM	NAT	0.36'	Core shows rubber material.
9.60	S/B, Lane # 1	Core 7	0.02' SC	0.24' DG	0.22' RM	NAT	0.48'	Core shows rubber material.
10.40	N/B, Lane # 1	Core 8	0.47' DG			NAT	0.47'	
37.75	N/B, Lane # 1	Core 9	0.26' DG	0.18' RM		NAT	0.44'	Core shows rubber material. Core delaminated.
38.70	N/B, Lane # 1	Core 10	0.60' DG	0.29' RM		NAT	0.89'	
39.75	S/B, Lane # 1	Core 11	0.06' OG	0.40' DG	0.18' RM	NAT	0.64'	Core shows rubber material.
40.75	N/B, Lane # 1	Core 12	0.04' OG	0.36' DG		NAT	0.40'	Core shows rubber material.
41.25	N/B, Lane # 1	Core 13	0.06' OG	0.35' DG		NAT	0.41'	Core shows rubber material.
								NAT = Native Material. Coarse Grained Sand, Silt & Clay
								SC = Seal Coat
								DG = Dense graded AC
								OG = Open Graded AC
								RM = Road Mix



Core # 2 S/B, Lane # 1 PM 4.50

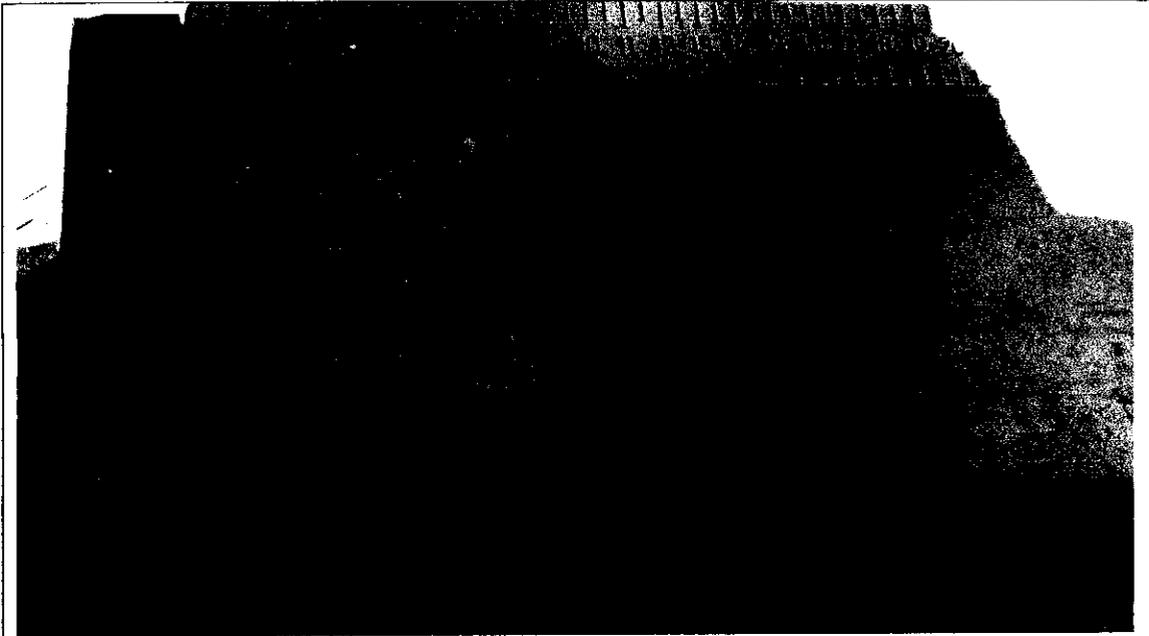
Total Thickness 0.44'





Core # 3 S/B, Lane # 1 PM 5.25 Total Thickness 0.50'





Core # 4 N/B, Lane # 1 PM 6.50 Total Thickness 0.44'





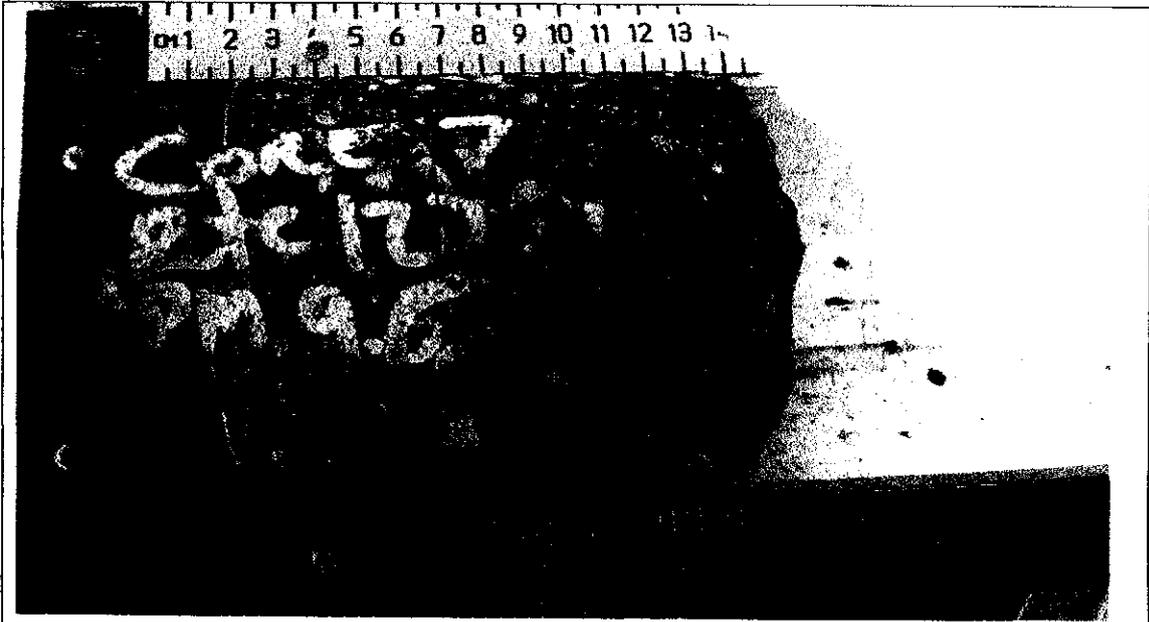
Core # 5 N/B, Lane # 1 PM 7.75 Total Thickness 0.59'





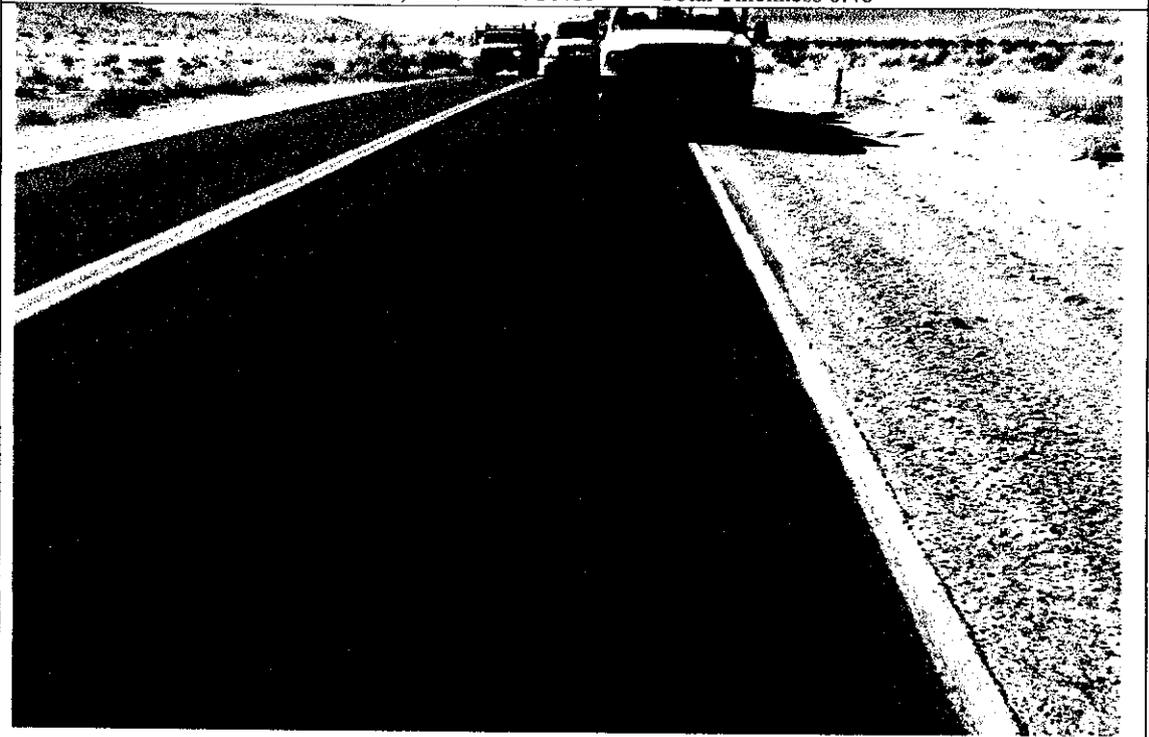
Core # 6 S/B, Lane # 1 PM 8.25 Total Thickness 0.36'





Core # 7 S/B, Lane # 1 PM 9.60

Total Thickness 0.48'

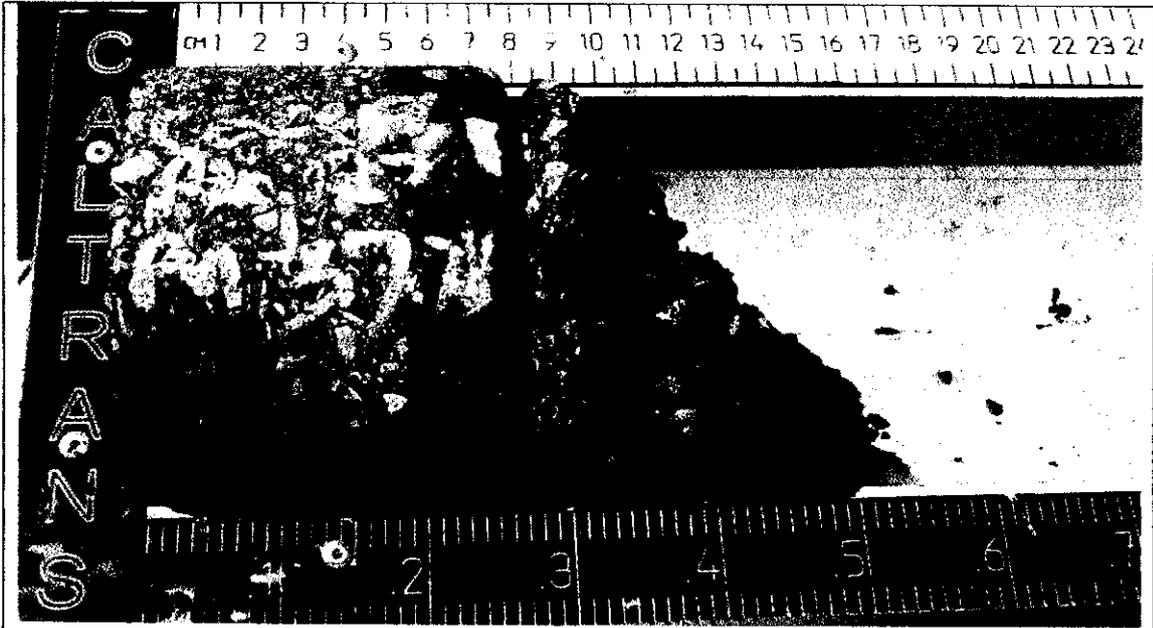




Core # 8 N/B, Lane # 1 PM 10.40

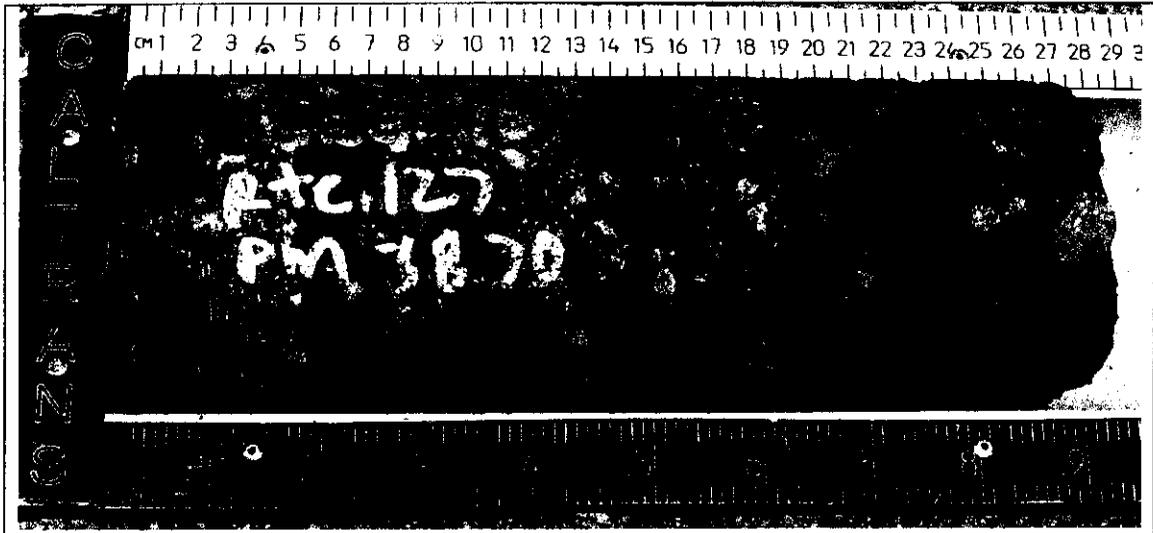
Total Thickness 0.47'





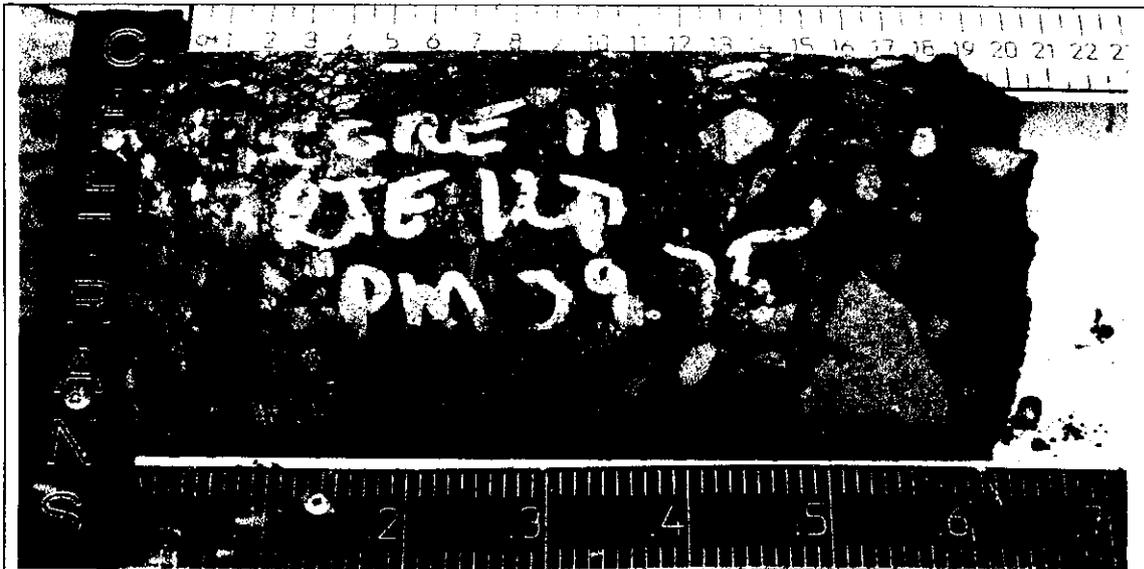
Core # 9 N/B, Lane # 1 PM 37.75 Total Thickness 0.44'





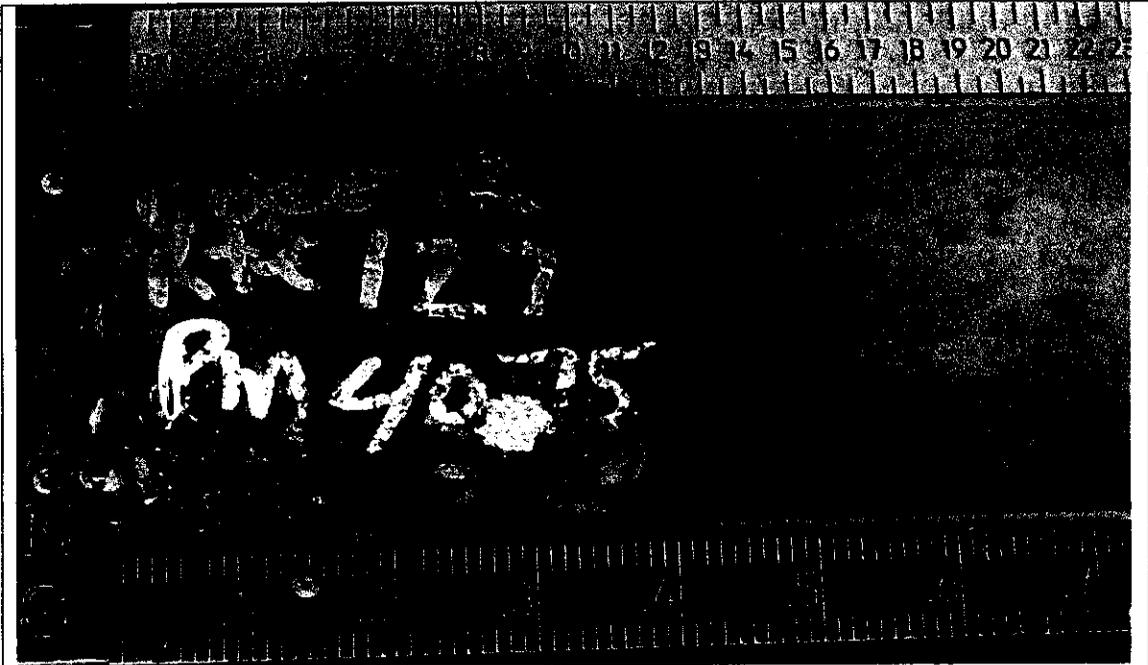
Core # 10 N/B, Lane # 1 PM 38.70 Total Thickness 0.89'





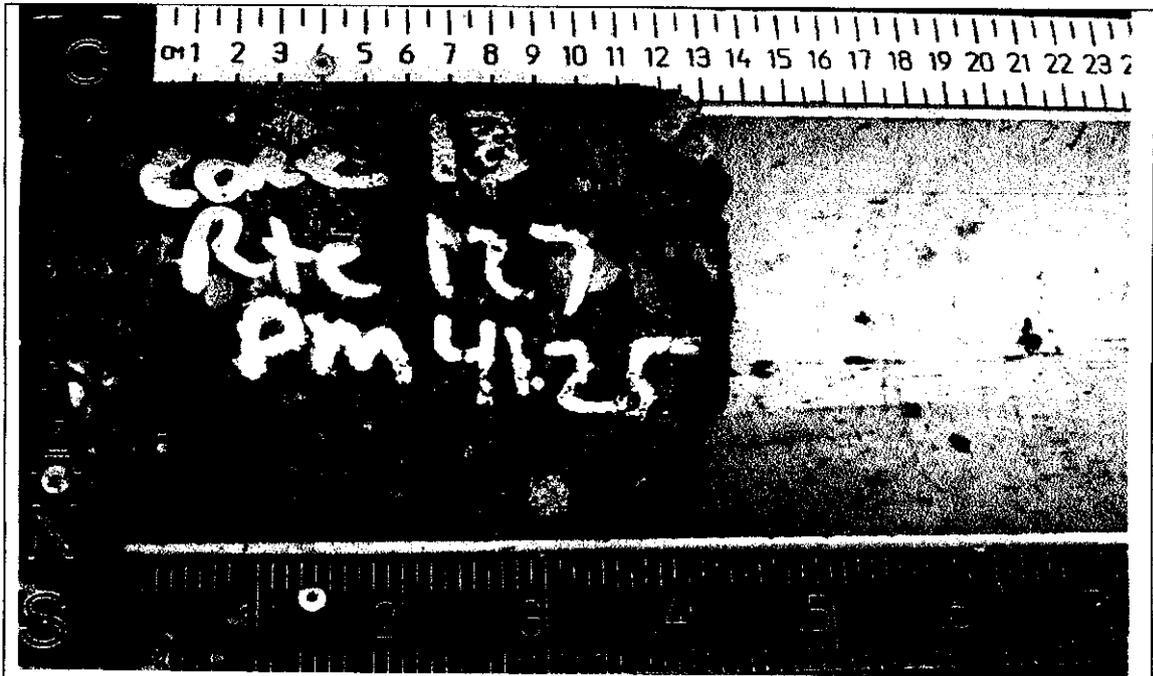
Core # 11 S/B, Lane # 1 PM 39.75 Total Thickness 0.64'





Core # 12 N/B, Lane # 1 PM 40.75 Total Thickness 0.40'





Core # 13 N/B, Lane # 1 PM 41.25

Total Thickness 0.41'

