Appendix G – UE Pavement Cores

Project: Toiend Road Dover, NH
Prepared by: Underwood Engineers
Prepared for: City of Dover, NH

SUBSURFACE BORING & TEST PIT LOCATIONS

Rev. Date: Test Pit locations revised 10/7/14 (actual locations), piezometers set

ID No.	PHASE	Approx STA.	OFFSET	LOCATION	VISUAL PAVEMENT CONDITION	DIG SAFE #	DATE
B1core	2A	117+30	9'RT	9' OFF PSNH 4B/7	NO DEFICIENCIES NOTED	2014-400-3905	9/30/2014
TP#1	2A	128+35	13'RT	35' WEST OF PSNH 4B/4	Piz. #1 Set 10/6/14 @18.5'RT		
B2core	2A	128+45	8.5'RT	25' WEST OF PSNH 4B/4	PAVEMENT SEPARATION IN LANE		
B3core	1	152+96	C.L.	OPPOSITE DRIVEWAY #541	OPEN SEAM/C.L. JOINT		
B4core	3A	159+50	3'RT	OPPOSITE DRIVEWAY #519	PAVEMENT SEPARATION/POORLY GRADED PMNT. MIX		
TP#2	3A	159+80	15.5'RT	OPPOSITE DRIVEWAY #519	Piz. #2 Set 10/6/14 @16'RT		
B5core	3A	164+12	C.L.	25' EAST OF DRIVEWAY #499	OPEN SEAM/C.L. JOINT		
B6core	3A	164+12	9'RT	25' EAST OF DRIVEWAY #499	NO DEFICIENCIES NOTED		
B8core	4	190+22	9'LT	OPPOSITE PSNH 4/149	NO DEFICIENCIES NOTED		
TP#3	4	191+23	13'RT	100' EAST OF PSNH 4/149	Piz. #3 Set 10/6/14 @14'RT		
B7core	7	191+29	7'RT	110' EAST OF PSNH 4/149	PAVEMENT SEPARATION IN LANE		
B9core	6	228+60	C.L.	60' EAST OF WILLOW STREET	OPEN SEAM/C.L. JOINT		

GENERAL CHAIN-OF-CUSTODY FORM

EVIDENCE/PROPERTY CUSTODY	Tracking Number
	Investigation ID Number: B4, B5 & B8
NAME OF RECIPIENT FACILITY: ADVANCED ASPHALT TECHNOLOGIES, LLC	LOCATION UPS: C/O RAMON BONAQUIST PHD PE
NAME, TITLE AND CONTACT NUMBER OF PERSON FROM WHOM RECEIVED: PHILIP MACDONALD, PE, PROJ. MGR	ADDRESS: 46 COMMERCE CIRCLE KEARNEYSVILLE, WV 25430
LOCATION FROM WHERE OBTAINED: TOLAND ROAD DOVER, NH	REASON OBTAINED: PAVEMENT TESTING / DATE/TIME OBTAINED: 10/3/2014 (1130PM)

ITEM NO	QUANTITY	DESCRIPTION OF ARTICLES (Include model, serial number, condition and unusual marks or scratches)
B4	1 EA	INTACT PMNT CORE (3 3/4" X 6" DIA)
B5	1 EA	MULTIPLE PIECES OF PAVEMENT CORE, SIZES VARY (APPROX 2 7/8" THICK TO 1/4")
B8	1 EA	INTACT PMNT. CORE (3 7/8" X 6" DIA.)

CHAIN OF CUSTODY

ITEM NO.	DATE	RELEASED BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
B4, B5, B8	10/3/14	PETER MACDONALD	RAMON BONAQUIST	
		SIGNATURE: Philip MacDonald	SIGNATURE: Ramon Bonaquist	TEST PER E-MAIL DATED 10/6/14.
		PRINTED NAME & CONTACT INFORMATION: COLE MCKENDY PHILIP MACDONALD	PRINTED NAME & CONTACT INFORMATION	
		SIGNATURE: Philip MacDonald	SIGNATURE	
		PRINTED NAME & CONTACT INFORMATION: COLE MCKENDY	PRINTED NAME & CONTACT INFORMATION	
		SIGNATURE	SIGNATURE	

GENERAL CHAIN-OF-CUSTODY FORM

EVIDENCE/PROPERTY CUSTODY	Tracking Number	
	Investigation ID Number B-1 THROUGH B-9 (I.E. 9 SAMPLES)	
NAME OF RECIPIENT FACILITY UNDERWOOD ENGINEERS, INC.	LOCATION HAND DELIVERED AT TOLEND RD, DOVER, NH TO PHILIP MACDONALD, P.E.	
NAME, TITLE AND CONTACT NUMBER OF PERSON FROM WHOM RECEIVED NATHAN COTE, P.E., GEOTECHNICAL ENG. 603-642-6683	ADDRESS TOLEND RD. DOVER, NH	
LOCATION FROM WHERE OBTAINED VARIOUS LOCATIONS SEE SUBSURFACE BORING LOCATIONS ATTACHED	REASON OBTAINED PAVEMENT TESTING	DATE/TIME OBTAINED 10/3/2014 8:30AM - 1:30PM

ITEM NO	QUANTITY	DESCRIPTION OF ARTICLES (Include model, ~~serial number~~, condition and unusual marks or scratches)
B-1	1	INTACT (≈3-1/4" THICKNESS, 6" DIA.)
B-2	1	DEPRESSION ON SURFACE → ≈ 1/2" to 1" (≈ 3-[illegible]" THICKNESS) 6" DIA
B-3	1	MULTIPLE PIECES (≈2-3/4" THICKNESS, 6" DIA.)
B-4	1	INTACT / BASE MATERIAL ATTACHED (≈2-3/8" THICKNESS, 6" DIA.
B-5	1	MULTIPLE PIECES / SIZES VARY (≈2-7/8" THICKNESS, 6" DIA.)
B-6	1	INTACT (≈3-1/4" THICKNESS, 6" DIA.)
B-7	1	MULTIPLE PIECES / SIZES VARY (≈2-9/16" THICKNESS 6" DIA.)
B-8	1	INTACT (≈3-7/8" THICKNESS, 6" DIA.)
B-9	1	INTACT (≈2-13/16" THICKNESS, 6" DIA.)

CHAIN OF CUSTODY

ITEM NO	DATE	RELEASES BY	RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
B-1 THROUGH B-9	10/3/2014	NATHAN COTE, P.E.	PHILIP MACDONALD, P.E.	
		SIGNATURE Nathan Cote	SIGNATURE Philip MacDonald	PAVEMENT TESTING
		PRINTED NAME & CONTACT INFORMATION NATHAN COTE, P.E.	PRINTED NAME & CONTACT INFORMATION PHILIP MACDONALD	
		SIGNATURE Nathan Cote	SIGNATURE Philip MacDonald	
		PRINTED NAME & CONTACT INFORMATION	PRINTED NAME & CONTACT INFORMATION	
		SIGNATURE	SIGNATURE	

S.W.COLE
ENGINEERING, INC.

14-1036 M
October 3, 2014

B-1 CORE SAMPLE
STA.117+30, 9.0' FROM CL, EASTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE
ENGINEERING, INC.

14-1036 M
October 3, 2014

B-1 POST - CORE SAMPLE
STA.117+30, 9.0' FROM CL, EASTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE ENGINEERING, INC.

14-1036 M
October 3, 2014

B-2 PRE - CORE SAMPLE
STA.128+45, 8.5' FROM CL, EASTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE ENGINEERING, INC.

14-1036 M
October 3, 2014

B-2 CORE SAMPLE

STA.128+45, 8.5' FROM CL, EASTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE ENGINEERING, INC.

14-1036 M
October 3, 2014

B-2 POST - CORE SAMPLE
STA.128+45, 8.5' FROM CL, EASTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE ENGINEERING, INC.

14-1036 M
October 3, 2014

B-3 PRE - CORE SAMPLE
STA.152+96, AT CL, TOLEND ROAD (DOVER, NH)

S.W.COLE
ENGINEERING, INC.

14-1036 M
October 3, 2014

B-3 CORE SAMPLE
STA.152+96, AT CL, TOLEND ROAD (DOVER, NH)

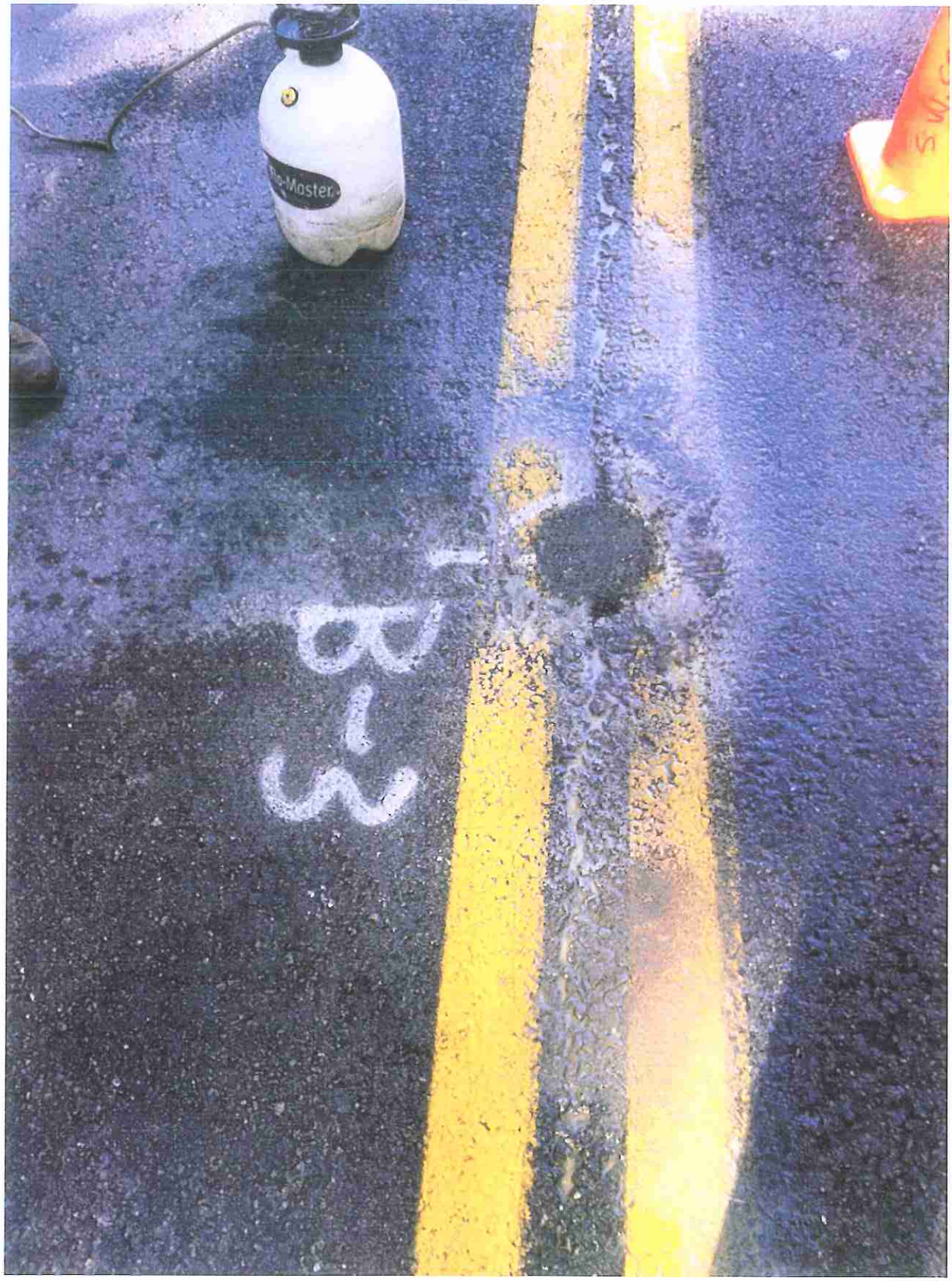
S.W.COLE ENGINEERING, INC.

14-1036 M
October 3, 2014

B-3 CORE SAMPLE
STA.152+96, AT CL, TOLEND ROAD (DOVER, NH)

S.W.COLE
ENGINEERING, INC.

14-1036 M
October 3, 2014



B-3 POST - CORE SAMPLE
STA.152+96, AT CL, TOLEND ROAD (DOVER, NH)

S.W.COLE ENGINEERING, INC.

14-1036 M
October 3, 2014

B-4 PRE - CORE SAMPLE

STA.159+50, 3.0' FROM CL, EASTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE
ENGINEERING, INC.

14-1036 M
October 3, 2014

B-4 CORE SAMPLE

STA.159+50, 3.0' FROM CL, EASTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE
ENGINEERING, INC.

14-1036 M
October 3, 2014

B-4 POST - CORE SAMPLE
STA.159+50, 3.0' FROM CL, EASTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE ENGINEERING, INC.

14-1036 M
October 3, 2014

B-5 PRE - CORE SAMPLE
STA.164+12, AT CL, TOLEND ROAD (DOVER, NH)

S.W.COLE ENGINEERING, INC.

14-1036 M
October 3, 2014

B-5 CORE SAMPLE
STA.164+12, AT CL, TOLEND ROAD (DOVER, NH)

S.W.COLE ENGINEERING, INC.

14-1036 M
October 3, 2014

B-5 POST - CORE SAMPLE
STA.164+12, AT CL, TOLEND ROAD (DOVER, NH)

S.W.COLE ENGINEERING, INC.

14-1036 M
October 3, 2014

B-6 PRE - CORE SAMPLE

STA.164+12, 9.0' FROM CL, EASTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE ENGINEERING, INC.

14-1036 M
October 3, 2014

B-6 CORE SAMPLE

STA.164+12, 9.0' FROM CL, EASTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE ENGINEERING, INC.

14-1036 M
October 3, 2014

B-6 POST - CORE SAMPLE
STA.164+12, 9.0' FROM CL, EASTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE
ENGINEERING, INC.

14-1036 M
October 3, 2014

B-7 PRE - CORE SAMPLE
STA.191+29, 7.0' FROM CL, EASTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE ENGINEERING, INC.

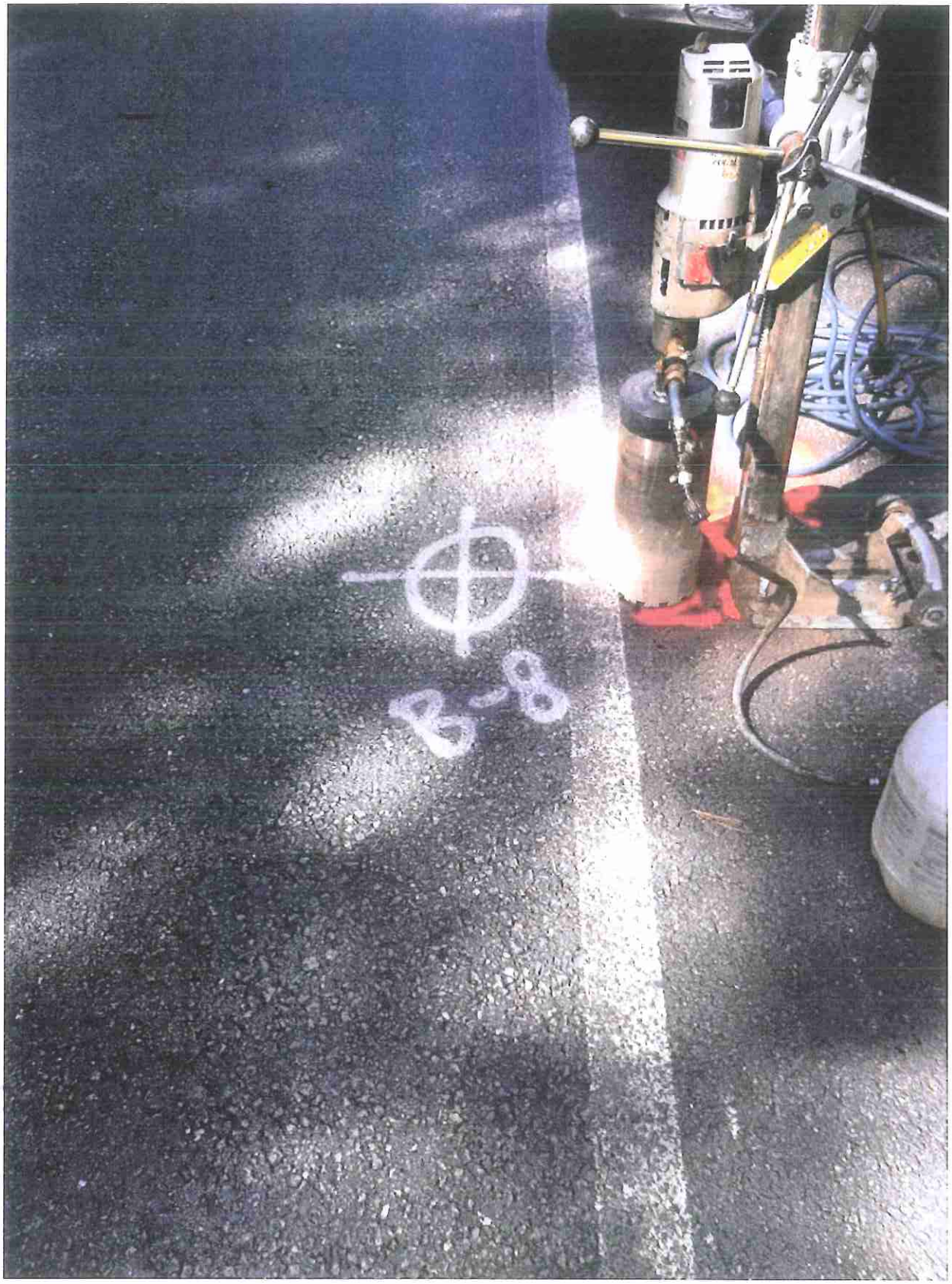
14-1036 M
October 3, 2014

B-7 CORE SAMPLE

STA.191+29, 7.0' FROM CL, EASTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE
ENGINEERING, INC.

14-1036 M
October 3, 2014



B-8 PRE - CORE SAMPLE

STA.190+22, 9.0' FROM CL, WESTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE ENGINEERING, INC.

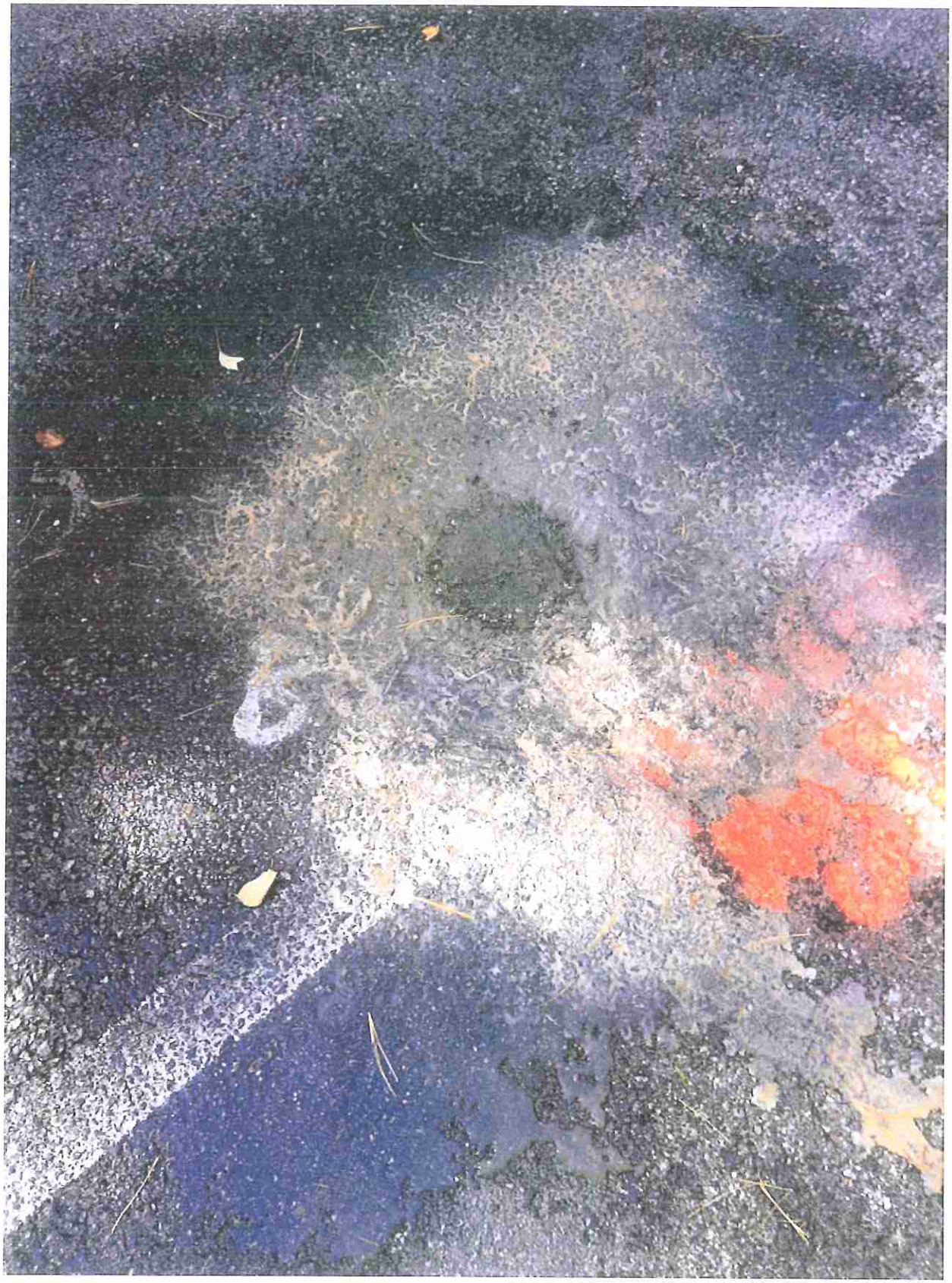
14-1036 M
October 3, 2014

B-8 CORE SAMPLE

STA.190+22, 9.0' FROM CL, WESTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE
ENGINEERING, INC.

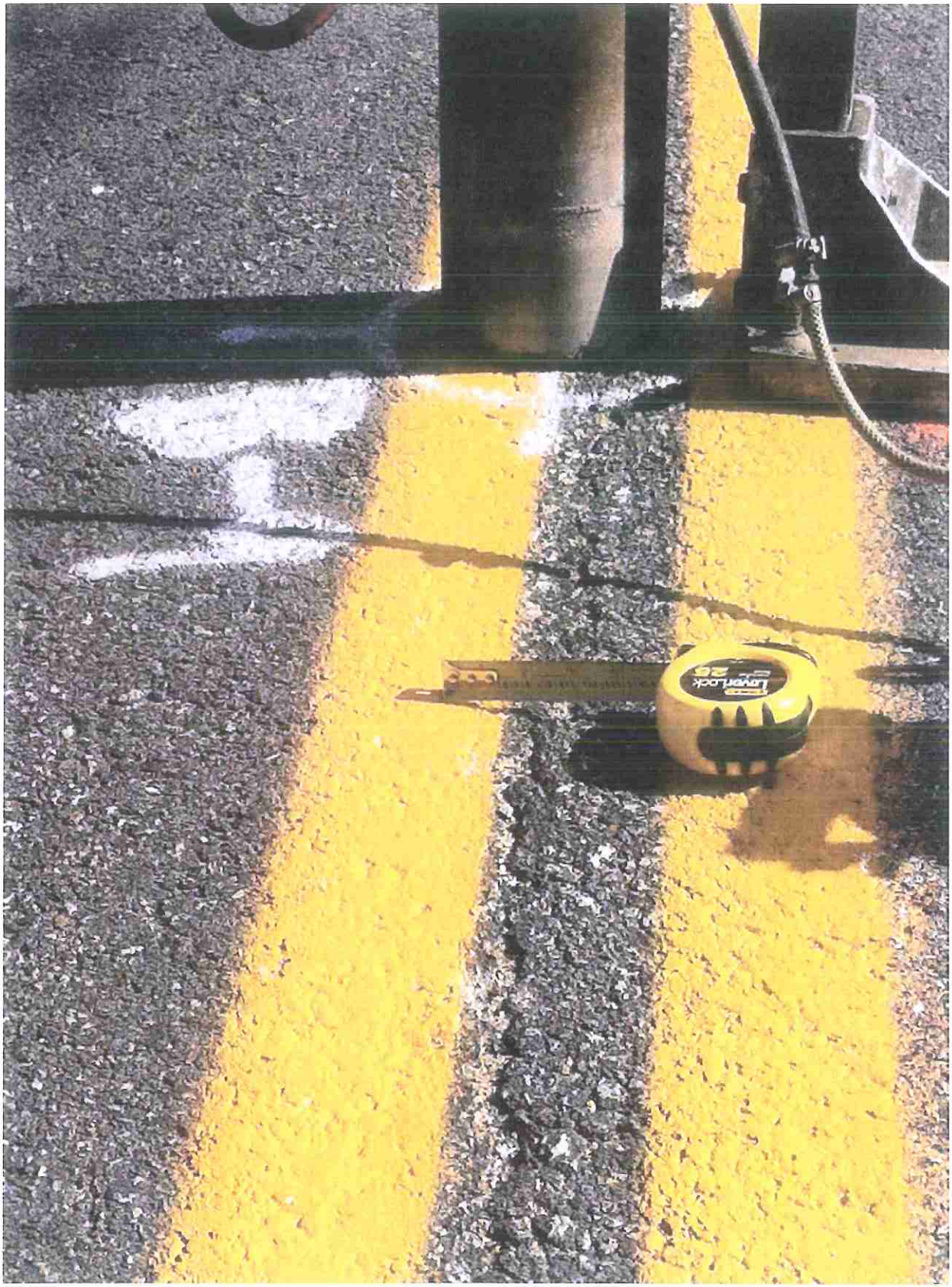
14-1036 M
October 3, 2014



B-8 POST - CORE SAMPLE
STA.190+22, 9.0' FROM CL, WESTBOUND LANE, TOLEND ROAD (DOVER, NH)

S.W.COLE ENGINEERING, INC.

14-1036 M
October 3, 2014



B-9 PRE - CORE SAMPLE
STA. 228+60, AT CL, TOLEND ROAD (DOVER, NH)

S.W.COLE
ENGINEERING, INC.

14-1036 M
October 3, 2014

B-9 CORE SAMPLE
STA. 228+60, AT CL, TOLEND ROAD (DOVER, NH)

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B-9 POST - CORE SAMPLE
STA. 228+60, AT CL, TOLEND ROAD (DOVER, NH)