

CONE PENETROMETER
DATA CODE SHEET

PROJECT NUMBER				PROJECT I.D.				ROUTE			
36597.1.1				I-4744				I-40 Widening			
COUNTY				FIELD PROFESSIONAL				TECHNICIANS			
Wake				D. Racey				C. Price, S. Davis			
Station (location) information				Date run				Station (location) information			
B-23 -LREV- Station 180+00 EBL OSS, 5' 6" RT				5/19/2009				B-25 -LREV- Station 190+00 EBL OSS, 6' 6" RT			
Type	cut or fill	Datum or reference surface		Type	cut or fill	Datum or reference surface		Type	cut or fill	Datum or reference surface	
DCP	15' C	Top of Asphalt		DCP	15' C	Top of Asphalt		DCP	15' C	Top of Asphalt	
0.0	18.1	86.8		0.0	8.9	13.5	18.1	0.0	8.9	13.5	18.1
0.7	18.5	88.1		1.1	9.0	13.6	18.2	1.1	9.0	13.6	18.2
1.5	18.9			1.7	9.2	13.7	18.3	1.7	9.2	13.7	18.3
1.9	19.4			1.9	9.4	13.8	18.4	1.9	9.4	13.8	18.4
2.3	19.8			2.1	9.5	13.9	18.5	2.1	9.5	13.9	18.5
2.6	20.3			2.4	9.6	14.0	18.6	2.4	9.6	14.0	18.6
2.9	20.8			2.7	9.7	14.1	18.6	2.7	9.7	14.1	18.6
3.3	21.3			2.9	9.8	14.1	18.7	2.9	9.8	14.1	18.7
3.5	21.9			3.1	9.9	14.2	18.8	3.1	9.9	14.2	18.8
3.8	22.4			3.4	10.0	14.3	18.9	3.4	10.0	14.3	18.9
4.1	22.9			3.6	10.1	14.4	19.0	3.6	10.1	14.4	19.0
4.4	23.4			3.9	10.2	14.5	19.1	3.9	10.2	14.5	19.1
4.8	23.9			4.1	10.3	14.6	19.2	4.1	10.3	14.6	19.2
5.2	24.4			4.2	10.4	14.7	19.3	4.2	10.4	14.7	19.3
5.6	24.8			4.3	10.5	14.8	19.4	4.3	10.5	14.8	19.4
6.1	25.4			4.4	10.7	14.9	19.5	4.4	10.7	14.9	19.5
6.5	26.0			4.4	10.8	15.0	19.6	4.4	10.8	15.0	19.6
6.9	26.6			4.5	10.9	15.0	19.7	4.5	10.9	15.0	19.7
7.3	27.7			4.6	10.9	15.1	19.8	4.6	10.9	15.1	19.8
7.7	29.0			4.7	11.0	15.2	19.9	4.7	11.0	15.2	19.9
8.1	31.2			4.9	11.1	15.27	20.0	4.9	11.1	15.27	20.0
8.3	31.5			5.0	11.2	15.34	20.0	5.0	11.2	15.34	20.0
8.6	31.8			5.2	11.3	15.4	20.1	5.2	11.3	15.4	20.1
8.9	35.8			5.3	11.3	15.5	20.20	5.3	11.3	15.5	20.20
9.1	39.2			5.4	11.4	15.55	20.25	5.4	11.4	15.55	20.25
9.3	42.2			5.6	11.5	15.62	20.29	5.6	11.5	15.62	20.29
9.5	44.9			5.7	11.6	15.7	20.34	5.7	11.6	15.7	20.34
9.7	47.9			5.8	11.7	15.76	20.38	5.8	11.7	15.76	20.38
10.0	51.1			6.1	11.7	15.83	20.43	6.1	11.7	15.83	20.43
10.2	54.8			6.2	11.8	15.90	20.47	6.2	11.8	15.90	20.47
10.6	58.5			6.3	11.9	15.94	20.52	6.3	11.9	15.94	20.52
10.9	61.7			6.5	12.0	15.98	20.56	6.5	12.0	15.98	20.56
11.4	64.3			6.6	12.0	16.02	20.61	6.6	12.0	16.02	20.61
11.7	65.5			6.7	12.1	16.06	20.65	6.7	12.1	16.06	20.65
12.1	66.3			6.9	12.1	16.1	20.70	6.9	12.1	16.1	20.70
12.5	67.0			7.0	12.2	16.3	20.74	7.0	12.2	16.3	20.74
12.7	67.7			7.1	12.3	16.5	20.79	7.1	12.3	16.5	20.79
13.2	68.6			7.2	12.4	16.6	20.83	7.2	12.4	16.6	20.83
13.6	69.8			7.3	12.5	16.8	20.88	7.3	12.5	16.8	20.88
14.0	71.0			7.4	12.6	17.0	20.92	7.4	12.6	17.0	20.92
14.4	72.2			7.5	12.7	17.1	20.97	7.5	12.7	17.1	20.97
14.7	73.5			7.6	12.8	17.2	21.01	7.6	12.8	17.2	21.01
15.1	74.8			7.7	12.8	17.3	21.06	7.7	12.8	17.3	21.06
15.4	76.1			7.8	12.9	17.4	21.10	7.8	12.9	17.4	21.10
15.7	77.4			7.9	13.0	17.5		7.9	13.0	17.5	
16.1	78.7			8.1	13.1	17.6		8.1	13.1	17.6	
16.4	80.0			8.2	13.1	17.7		8.2	13.1	17.7	
16.7	81.4			8.3	13.2	17.7		8.3	13.2	17.7	
17.1	82.8			8.4	13.3	17.8		8.4	13.3	17.8	
17.4	84.2			8.5	13.3	17.9		8.5	13.3	17.9	
17.8	85.5			8.7	13.4	18.0		8.7	13.4	18.0	

N: 741,823

E: 2.074,595

N: 740,844

E: 2.074,312

OSS = Outside Shoulder

OSL = Outside Lane

Note: Offsets are measured from the white line between the shoulder and outside travel lane

Numbers above represent cumulative penetration in centimeters after each blow.

**CONE PENETROMETER
DATA CODE SHEET**

PROJECT NUMBER			PROJECT I.D.			ROUTE		
36597.1.1			I-4744			I-40 Widening		
COUNTY			FIELD PROFESSIONAL			TECHNICIANS		
Wake			D. Racey			C. Price, S. Davis		
Station (location) information			Date run			Station (location) information		
B-27 -LREV- Station 216+00 EBL OSS, 7' RT			5/19/2009			B-29 -LREV- Station 235+00 EBL OSS, 5' RT		
Type	cut or fill	Datum or reference surface	Type	cut or fill	Datum or reference surface	Type	cut or fill	Datum or reference surface
DCP	1' C	Top of Asphalt	DCP	10-12' C	Top of Asphalt			
0.0	9.9	29.0	0.0	17.0	82.3			
1.0	10.1	30.2	0.7	17.2	83.2			
1.3	10.4	31.9	1.2	17.6	84.1			
1.6	10.6	34.8	1.7	17.9				
1.9	10.8	39.2	2.1	18.2				
2.2	11.0	42.6	2.5	18.5				
2.4	11.2	45.6	2.9	18.7				
2.5	11.4	48.4	3.2	19.1				
2.7	11.6	50.9	3.6	19.7				
2.8	11.8	53.2	3.8	20.3				
3.0	12.1	55.4	4.2	20.8				
3.1	12.3	57.3	4.4	21.2				
3.3	12.6	59.2	4.8	22.1				
3.5	13.0	61.1	5.0	23.1				
3.6	13.3	63.0	5.3	23.8				
3.8	13.6	64.9	5.7	24.3				
4.0	13.9	66.8	6.0	24.7				
4.1	14.2	68.7	6.3	25.2				
4.2	14.6	70.7	6.6	25.6				
4.3	14.9	72.6	7.0	26.1				
4.4	15.3	74.5	7.4	26.5				
4.5	15.6	76.2	7.8	27.0				
4.6	15.9	77.8	8.2	27.5				
4.7	16.3	79.4	8.6	28.3				
4.8	16.6	80.9	8.9	29.0				
4.9	17.0	82.4	9.3	29.5				
5.0	17.3	83.8	9.7	30.4				
5.1	17.6	85.2	10.1	31.5				
5.3	17.9	86.5	10.5	32.3				
5.4	18.3	87.8	10.9	34.0				
5.6	18.6		11.1	37.2				
5.7	19.0		11.5	42.3				
5.9	19.5		12.0	46.0				
6.1	19.9		12.3	49.6				
6.2	20.2		12.6	53.5				
6.4	20.6		13.0	57.4				
6.7	21.0		13.3	60.2				
6.9	21.5		13.6	62.3				
7.1	21.9		13.8	64.2				
7.3	22.1		14.0	66.1				
7.5	22.6		14.2	68.3				
7.7	23.1		14.5	70.3				
7.9	23.6		14.7	72.0				
8.1	24.0		14.8	73.5				
8.3	24.4		15.2	74.9				
8.6	24.8		15.4	76.1				
8.8	25.3		15.6	77.2				
9.0	25.8		15.8	78.3				
9.2	26.3		16.1	79.5				
9.5	27.0		16.4	80.4				
9.7	28.0		16.7	81.4				

N: 738,289
E: 2,074,811

N: 736,743
E: 2,075,943

OSS = Outside Shoulder
OSL = Outside Lane

Note: Offsets are measured from the white line between the shoulder and outside travel lane

Numbers above represent cumulative penetration in centimeters after each blow.

**CONE PENETROMETER
DATA CODE SHEET**

PROJECT NUMBER 36597.1.1 COUNTY Wake Wake				PROJECT I.D. I-4744 FIELD PROFESSIONAL D. Racey		ROUTE I-40 Widening TECHNICIANS C. Price, S. Davis			
Station (location) information				Date run		Station (location) information		Date run	
B-30 -LREV- Station 235+00 WBL OSS, 3' 6" LT				5/20/2009		B-28 -LREV- Station 216+00 WBL OSS, 3' LT		5/20/2009	
Type	cut or fill	Datum or reference surface		Type	cut or fill	Datum or reference surface			
DCP	10-12' C	Top of Asphalt		DCP	1' C	Top of Asphalt			
0.0	11.9	23.2	44.4	0.0	20.2	84.0			
0.6	12.1	23.4	45.9	0.8	20.6				
0.8	12.3	23.6	50.3	1.2	21.0				
1.1	12.4	23.8	52.3	1.5	21.5				
1.3	12.7	23.9	54.1	2.0	22.0				
1.5	12.9	24.1	55.8	2.3	22.4				
1.7	13.1	24.3	57.5	2.7	22.9				
1.9	13.3	24.6	59.0	3.2	23.3				
2.1	13.5	24.9	60.4	3.5	23.9				
2.3	13.7	25.1	61.7	3.9	24.4				
2.4	13.9	25.3	63.0	4.3	24.8				
2.7	14.2	25.5	64.4	4.6	25.1				
2.9	14.4	25.7	66.0	4.9	25.6				
3.5	14.5	26.0	67.4	5.2	26.1				
3.9	14.7	26.1	68.9	5.6	26.6				
4.0	14.8	26.4	70.3	5.9	27.1				
4.2	14.9	26.7	71.5	6.3	27.7				
4.5	15.0	26.9	72.7	6.7	28.3				
4.7	15.3	27.1	73.8	7.1	28.8				
4.9	15.5	27.2	74.9	7.4	29.3				
5.1	15.8	27.4	75.9	7.9	29.8				
5.2	16.0	27.6	76.9	8.2	30.6				
5.3	16.2	27.7	77.8	8.6	31.1				
5.5	16.5	28.0	78.8	9.0	31.6				
5.7	16.7	28.3	79.8	9.4	32.2				
6.0	16.9	28.6	80.8	9.7	32.8				
6.2	17.1	28.8	81.8	10.0	33.6				
6.5	17.3	29.0	82.7	10.4	34.6				
6.7	17.5	29.4		10.9	36.8				
7.0	17.7	29.5		11.3	41.3				
7.2	17.8	29.8		11.8	45.3				
7.4	18.1	29.9		12.4	48.7				
7.7	18.3	30.2		13.0	51.4				
8.0	18.5	30.5		13.1	53.8				
8.2	18.7	30.8		13.5	56.0				
8.5	18.9	31.2		14.0	57.9				
8.8	19.2	31.6		14.6	59.6				
9.1	19.3	32.0		15.0	61.3				
9.3	19.7	32.4		15.4	63.1				
9.5	19.9	32.7		15.8	64.8				
9.7	20.2	33.0		16.3	66.5				
10.0	20.4	33.5		16.6	68.2				
10.2	20.7	34.0		16.8	70.0				
10.4	20.9	34.6		17.1	71.9				
10.6	21.2	35.2		17.4	73.5				
10.8	21.5	36.1		17.7	75.1				
11.0	21.7	36.8		17.9	76.6				
11.2	22.0	37.6		18.4	78.0				
11.3	22.2	38.9		18.9	79.5				
11.5	22.5	40.8		19.4	81.1				
11.7	22.8	43.4		19.8	82.6				

N: 736,864
E: 2,076,069

N: 738,368
E: 2,074,953

OSS = Outside Shoulder
OSL = Outside Lane

Note: Offsets are measured from the white line between the shoulder and outside travel lane

Numbers above represent cumulative penetration in centimeters after each blow.

**CONE PENETROMETER
DATA CODE SHEET**

PROJECT NUMBER	PROJECT I.D.	ROUTE
36597.1.1	I-4744	I-40 Widening
COUNTY	FIELD PROFESSIONAL	TECHNICIANS
Wake	D. Racey	C. Price, S. Davis

Station (location) information						Station (location) information					
B-26 -LREV- Station 190+00 WBL OSS, 4' LT						B-24 -LREV- Station 180+00 WBL OSS, 4' LT					
Date run						Date run					
5/20/2009						5/20/2009					
Type	cut or fill	Datum or reference surface				Type	cut or fill	Datum or reference surface			
DCP	15' C	Top of Asphalt				DCP	15' C	Top of Asphalt			
0.0	12.6	27.3				0.0	56.2				
0.9	12.8	27.5				1.6	57.4				
1.4	12.9	28.0				2.4	59.1				
1.8	13.2	28.3				3.1	61.4				
2.3	13.4	28.4				3.6	64.2				
2.7	13.7	28.7				4.2	66.9				
3.1	13.9	28.9				4.9	69.1				
3.5	14.1	29.1				5.4	71.2				
3.8	14.3	29.3				5.9	73.2				
4.1	14.6	29.5				6.4	75.4				
4.3	14.8	29.6				6.9	77.3				
4.7	15.1	29.8				7.6	79.0				
4.9	15.3	30.2				8.2	80.8				
5.2	15.6	30.4				8.9	82.7				
5.4	15.8	30.7				9.6	84.7				
5.6	16.1	30.9				10.2	86.5				
5.9	16.4	31.2				10.7					
6.2	16.8	31.4				11.4					
6.3	17.1	31.7				12.0					
6.5	17.3	31.9				12.5					
6.7	17.6	32.2				13.1					
6.9	17.8	32.5				13.6					
7.1	18.1	32.9				14.2					
7.2	18.4	33.3				14.9					
7.4	18.8	33.8				15.6					
7.5	19.1	34.2				16.2					
7.7	19.4	34.6				16.8					
7.8	19.7	35.2				17.4					
8.0	20.1	35.8				18.1					
8.2	20.4	36.7				18.8					
8.3	20.7	38.2				19.5					
8.5	21.1	41.2				20.2					
8.7	21.4	46.7				20.8					
8.9	21.7	51.2				21.5					
9.1	22.0	54.2				22.1					
9.3	22.3	57.1				22.9					
9.4	22.6	59.8				23.9					
9.6	23.0	62.3				24.9					
9.7	23.4	64.6				25.9					
10.1	23.7	66.9				26.6					
10.2	24.0	69.3				29.1					
10.5	24.3	71.5				34.7					
10.6	24.6	73.7				39.7					
10.8	24.9	75.9				44.0					
11.0	25.2	77.8				47.0					
11.3	25.6	79.9				49.0					
11.4	26.0	82.1				50.4					
11.6	26.3	84.1				52.0					
11.8	26.6	86.2				53.2					
12.1	27.0					54.3					
12.3	27.3					55.2					

N: 740,818

E: 2,074,483

N: 741,754

E: 2,074,755

OSS = Outside Shoulder

OSL = Outside Lane

Note: Offsets are measured from the white line between the shoulder and outside travel lane

Numbers above represent cumulative penetration in centimeters after each blow.