Figure 1. Results of Erosion Rate Apparatus test for sample 1 at structure 424014600100 on Route SC 146, crossing the Enoree River in Spartanburg County, South Carolina

M & T Form 503

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY MATERIALS & TESTS UNIT SOILS LABORATORY

	REPORT OF	i paul	C PORT (AL	SOILS FO	TE YORLI				
Project	4.24015E+1	1	County	SPARTAN	VSBURG	Owner			
Date: Sampled	8/9/04		Received	8/18/04		Reported	08/20/04	10	
Sampled from					Ву				
	T. ALLEN		EFA # 55			1995	Standard	Specifications	
national inj	1.122221								
716421 TO 7164 9/2/04	421								
9/2/14			TE	ST RESUL	TS				
Proj. Sample N	lo.		1						
Lab. Sample N			716421						
Retained #4 S		"/6	-						
Passing #10 S		%	100						
Possing #40 S		%	92					-	
Passing #200	Sieve	%	27						
			MINUS	NO. 10 FR	ACTION				
SOIL MORTA	R - 100%		(11111)(1						
Course Sand	California and California	11/0	25.6						
Fine Sand R		%	51.9						
Silt 0.05 - 0.		%	8.4						
Clay < 0.005	5 nun	%	14.1						
Passing #40 S		9/9	-					-	
Passing #200	Sieve	%	-						
L.L. Lieu	// :/		18						
Em. 1.18.07	tic Index		NP						
AASHTO Clas			A-2-4(0)						
Station									
					37				
Hole No.						-			
Depth (Ft)			-					_	
		to	-	-					
cc: T. ALLEN	1								
Soils File									
130113 1 110									
S RATE	C:1 B	1	Ti	nE				/	
& BATE	20. 7 17	ムフトレ							
5 m per SEC.	50n	nm	8,	nin.			/ec	l.M	
							Soils En		
T FINE M	1.3						J		
(FINE M	ATORAL					/			Page 1
21 SANG						(raye I
						3.			

Figure 2. Results of Erosion Rate Apparatus test for samples 2 and 3 at structure 424014600100 on Route SC 146, crossing the Enoree River in Spartanburg County, South Carolina .

M & T Form 503

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY MATERIALS & TESTS UNIT SOILS LABORATORY

Project	4.24015E+11		County	SPARTA	SURG	Owner			
Date: Sampled	8/9/04		Received	8/19/04		Reported	08/23/04		
Sampled from	U.S. RT F/P				By				
	T. ALLEN		BFA # 56.	56 57			Standard 5	Specifications	
					100	- 1772 districted of other states			
716426 TO 7164 9/2/04	128		TE	ST RESUI	TS				
Proj. Sample N	0	_	2	2	3			T	
Lab. Sample N			716426	716427	716428			$\overline{}$	
Retained #4 S		1/0	1	-	-				
Passing #10 S		1/0	97	100	100				
Passing #40 S		%	88	94	90				
Passing #200	Sieve	%	37	19	17				
			MINUS	NO. 10 FR	ACTION				
SOIL MORTA	and the second second								
Coarse Sand		%	27.1	30.4	41.6			_	
Fine Sand R		%	39.2	54.1	43.6		-	-	
Silt 0.05 - 0.		%	15.6	5.5	5.7			-	
Clay < 0.005		%	18.1	10.1	9.0			-	
Passing #40 S Passing #200 S		%	-	-				-	
rassing #200	31040	70							
L.L.			22	20	19				
P. I.			NP	NP	NP				
AASHTO Clas	sification		A-4(0)	A-2-4(0)	A-2-4(0)				
Station			TP TUBE	BM TUB					
			EFA 56	EFA 56	EFA 57				
Hole No.							-	_	
Depth (Ft)							-	_	
		to	-	_		-	_	_	
Soils File	Bother 15	-SA	may MHO						
	22 mm		GOO SEC	E I" ROOTY 3" MORE	Sitty mate	SAND	-	. l. ss.	
7.	/mm	34	.00 SEL.	gs to Fine	SHY SAND	_/	Soils Eng	incer //	
	onn 998		Time	8					Page 1
-low RATE	Soil Publ	001	920 AR	DU05.					

Figure 3. Results of Erosion Rate Apparatus test for sample 4 at structure 424014600100 on Route SC 146, crossing the Enoree River in Spartanburg County, South Carolina.

M & T Form 503

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY MATERIALS & TESTS UNIT SOILS LABORATORY

T. L.P. No.

Project	42401460010		County	SPARTAN	BURG	Owner		
Date: Sampled	8/9/04		Received	8/16/04		Reported	08/18/04	
Sampled from	U.S. RT F/P				Ву	ANDY CA	ALDWELL	
Submitted by	TRAVIS ALLE	N	EFA # 58			1995	Standard Specifications	
716350 TO 7163 9/2/04 Proj. Sample N	0.		TE 4 716350	ST RESUL 4 716351	TS			
Retained #4 S		%	-	-				
Passing #10 S		%	100	100				
Passing #40 S		%	92	70				
Passing #200 S	lieve	1/4	58	7				
21			MINUS	NO. 10 FRA	CTION			
SOIL MORTAL			(a) - 11					
Coarse Sand		%	14.9	71.6	_			
Fine Sand Re Silt 0.05 - 0.0	The state of the s	"/a "/a	23.9	0.2		-		
Clay < 0.005		0/0	26,4	6.1	Num	-		
Passing #40 S.		%	-	-				
Passing #200 S	ieve	%						
L. L.			34	21		T		
P. 1.	-		10	NP				
AASHTO Class	fication		A-4(4)	A-3(0)				
Station		-	-T.	Botton		_		
Hole No.		-	Tép	BUTTOM				
Depth (Ft)								
		to						
cc: TRAVIS A	LLEN							
0.1	/_			3.87			,	
RATE SOIL	- Push	Trm	E					-
o mpoesec.	1.0 mm		0 566.	7	99	-	Teal Han	
5 MPERSEL 1	O mm	360	0 526	6	Rocky	-/	Soils Engineer	
ompersec .	50mm	33.	3 SEC.		53772			
					7			Page 1
				15	h .			, ago ,
				[Fre	ESAND		
				_			:41 FROM:DOT MATERI	