

Form 200.02

PERCENT COMPACTION BY
NUCLEAR GAUGE



Unique ID: _____

Date: 10-30-15

Project No: P024366

Status: _____

File No: 1404540

Road No: US 301

Road Info: 17+00 - 20+00

Contractor: Lane Contracting

Inspector: Dan Bowick

[Signature]

Nuclear Gauge Operator: Dan Bowick

Material: Red sand clay

SCDOT Gauge No.: ICE 2471

Daily Standard Count		
	A.M.	P.M.
Density	12388	

Station No.		18+25		19+00
Elevation From Finish Grade $FG = 100.0'$		95.0'		95.5'
Offset		4' RT		8' LT
Field Density	A. Density Count	1500.2	1565.	1565.8
	B. Wet Density, pcf (Calibration Chart)	132.9		131.1
	C. Moisture, % (Speedy Moisture Tester)	16.6 / 18.6	1	15.8 / 17.5
	D. Dry Density, "pcf" $\frac{B \times 100}{100 + C}$	112.1		111.6
One-Point Proctor	E. Wgt. of Mold & Soil, gms	4000		4000
	F. Wgt. of Mold, gms	2082		2082
	G. Wgt. of Soil gms (E - F)	1918		1918
	H. Mold k Factor	.0662		.0662
	I. Wet Density, pcf (Mold k x G)	127.0		127.0
	J. Moisture, % (Speedy Moisture Tester)	13.4 / 14.3	1	13.4 / 14.3
	K. Max. Dry Density, pcf (from Chart)	112.5		112.5
	L. Optimum Moisture, (from Chart)	14.4		14.4
M. Percent Compaction $\frac{D}{K} \times 100$	99.6%		99.2%	

Remarks:

Resident Construction Engineer: D.S. McElveen

Signature: *[Signature]*

Form 200.02

PERCENT COMPACTION BY
NUCLEAR GAUGE



Unique ID: _____

Status: _____

Date: 11-13-15

Project No: PO29366

File No: 1404540

Road No: 301

Road Info: _____

Contractor: LANE

Inspector: Roger Whitfield

Nuclear Gauge Operator: Roger Whitfield

Material: Sand clay

SCDOT Gauge No.: _____

Daily Standard Count		
	A.M.	P.M.
Density		2363.3

Station No.				19472
Elevation From Finish Grade				4' L
Offset				8'
Field Density	A. Density Count			1553.2
	B. Wet Density, pcf (Calibration Chart)			130.8
	C. Moisture, % (Speedy Moisture Tester)	1	1	11.8 12.3
	D. Dry Density, "pcf" $\frac{(B \times 100)}{(100 + C)}$			116.5
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3951	3936	3913
	F. Wgt. of Mold, gms	2011	2011	2011
	G. Wgt. of Soil gms (E - F)	1940	1925	1902
	H. Mold k Factor	.06631	.06631	.06631
	I. Wet Density, pcf (Mold k x G)	128.6	127.6	126.1
	J. Moisture, % (Speedy Moisture Tester)	13 (13.8)	12.4 (13.1)	11.4 11.9
	K. Max. Dry Density, pcf (from Chart)	113.9	115.6	115.6
	L. Optimum Moisture, (from Chart)	(13.6)	(12.8)	12.8
M. Percent Compaction $\frac{D}{K} \times 100$	Fail	Fail	100 ✓	

Remarks:

1st two proctors due to moisture.

Resident Construction Engineer:

Signature: _____

Form 200.02

**PERCENT COMPACTION BY
NUCLEAR GAUGE**



Unique ID: _____

Date: 11-13-15

Project No: PD 29364

Status: _____

File No: 140-1540

Road No: 301

Road Info: _____

Contractor: LANE

Inspector: Roger Whitfield

Nuclear Gauge Operator: Roger Whitfield

Material: Sand clay

SCDOT Gauge No.: _____

Daily Standard Count		
	A.M.	P.M.
Density		2363.3

Station No.		20+97		
Elevation From Finish Grade		-3.5		
Offset		4' R		
Field Density	A. Density Count	1670.1		
	B. Wet Density, pcf (Calibration Chart)	127.5		
	C. Moisture, % (Speedy Moisture Tester)	12.1	12.6	1
	D. Dry Density, "pcf" (BX 100) (100 + C)	113.6		
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3913		
	F. Wgt. of Mold, gms	2011		
	G. Wgt. of Soil gms (E - F)	1902		
	H. Mold k Factor	.06631		
	I. Wet Density, pcf (Mold k x G)	126.1		
	J. Moisture, % (Speedy Moisture Tester)	11.4	11.9	1
	K. Max. Dry Density, pcf (from Chart)	115.6		
	L. Optimum Moisture, (from Chart)	12.8		
M. Percent Compaction	$\frac{D}{K} \times 100$	98.3		

Remarks:

Resident Construction Engineer:

Signature: _____

Form 200.03

PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ



Unique ID: _____

Status: _____

Date: 11-14-15

Project No: P029366

File No: 1404540

Road No: US-301

Road Info: _____

Contractor: LANE

Inspector: Roger Whitfield

Nuclear Gauge Operator: Roger Whitfield

Material: Sand Clay

SCDOT Gauge No.: _____

Daily Standard Count		
	A.M.	P.M.
Density	2331	2278

Station No.	19+22	19+49	18+50	
Elevation From Finish Grade	-3'	-2.5'	-2'	
Offset	6'L	6'R	10.R	
Field Density	A. Density Count	1802.7	1700	1610.8
	B. Wet Density, pcf (Calibration Chart)	124.4	127	129.7
	C. Moisture, % (Speedy Moisture Tester)	12.2 / 12.8	10.6 / 10.9	12.4 / 13.1
	D. Dry Density, "pcf" (B X 100) / (100 + C)	110.3	114.5	
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3910	3885	
	F. Wgt. of Mold, gms	2011	2011	
	G. Wgt. of Soil gms (E - F)	1899	1874	
	H. Mold k Factor	1.06631	1.06631	
	I. Wet Density, pcf (Mold k x G)	125.9	124.3	
	J. Moisture, % (Speedy Moisture Tester)	12.8 / 13.6	11.2 / 11.6	1
	K. Max. Dry Density, pcf (from Chart)	113.9	113.9	
	L. Optimum Moisture, (from Chart)	13.6	13.6	
M. Percent Compaction $\frac{D}{K} \times 100$	96.8	100	100	

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ



Unique ID: _____

Status: _____

Date: 11-15-15

Project No: P029366

File No: 1404540

Road No: 15301

Road Info: _____

Contractor: LANE

Inspector: Roger Whitfield

Nuclear Gauge Operator: R Whitfield

Material: SAND & CLAY

SCDOT Gauge No.: _____

Daily Standard Count		
	A.M.	P.M.
Density	23919	23921

Right Lane

Station No.			15+00
Elevation From Finish Grade		-1.5'	-2'
Offset			3'
Field Density	A. Density Count		7472
	B. Wet Density, pcf (Calibration Chart)		133.8
	C. Moisture, % (Speedy Moisture Tester)	1	12.4 / 13.1
	D. Dry Density, "pcf" $\frac{(B \times 100)}{(100 + C)}$		118
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3986	3933
	F. Wgt. of Mold, gms	2011	2011
	G. Wgt. of Soil gms (E - F)	1975	1922
	H. Mold k Factor	0.0081	0.00631
	I. Wet Density, pcf (Mold k x G)	131	127.4
	J. Moisture, % (Speedy Moisture Tester)	13.2 / 14.1	13 / 12.8
	K. Max. Dry Density, pcf (from Chart)		113.2
	L. Optimum Moisture, (from Chart)		14
M. Percent Compaction $\frac{D}{K} \times 100$	Fail	104.5	93

Fail

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ



Unique ID: _____

Status: _____

Date: 11-15

Project No: P029366

File No: 1404540

Road No: V5 301

Road Info: _____

Contractor: Lane

Inspector: Roger Whitfield
Nuclear Gauge Operator: R Whitfield

Material: sand clay

SCDOT Gauge No.: _____

Daily Standard Count		
	A.M.	P.M.
Density	2391.9	2391.1

Station No.				
Elevation From Finish Grade		57.5	-2.5	-2.5
Offset		5'	6'	8'
Field Density	A. Density Count			
	B. Wet Density, pcf (Calibration Chart)			
	C. Moisture, % (Speedy Moisture Tester)	1	1	1
	D. Dry Density, "pcf" $\frac{(B \times 100)}{(100 + C)}$			
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3941	3706	3783
	F. Wgt. of Mold, gms	2011	2011	2011
	G. Wgt. of Soil gms (E - F)	1930	1695	1772
	H. Mold k Factor	1.06631	1.06631	1.06631
	I. Wet Density, pcf (Mold k x G)	128	112.4	117.5
	J. Moisture, % (Speedy Moisture Tester)	14.8 / 16.2	12.6 / 13.8	13.1 / 13.8
	K. Max. Dry Density, pcf (from Chart)	113.9	104.5	105
	L. Optimum Moisture, (from Chart)	13.6	18.6	17.5
M. Percent Compaction $\frac{D}{K} \times 100$		Fail	Fail	Fail

Remarks:

Failed Proctors

Resident Construction Engineer:

Signature:

Form 200.03

PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ



Unique ID: _____

Status: _____

Date: 11-16

Project No: P029366

File No: 1454540

Road No: 69 301

Road Info: _____

Contractor: Lane

Inspector: R Whitefield

Nuclear Gauge Operator: _____

Material: sand clay

SCDOT Gauge No.: _____

Daily Standard Count		
	A.M.	P.M.
Density	2391.1	2391.6

Station No.		19+00		18+25
Elevation From Finish Grade		-9.5		-3
Offset		8'		4'
Field Density	A. Density Count	165.2	2129.4	1650.3
	B. Wet Density, pcf (Calibration Chart)	129.6	116.9	128.4
	C. Moisture, % (Speedy Moisture Tester)	13 113.8	14.8 116.2	14.8 116.2
	D. Dry Density, "pcf" $\frac{(B \times 100)}{(100 + C)}$	113.9		
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3927		
	F. Wgt. of Mold, gms	20.11		
	G. Wgt. of Soil gms (E - F)	1916		
	H. Mold k Factor	.06631		
	I. Wet Density, pcf (Mold k x G)	127		
	J. Moisture, % (Speedy Moisture Tester)	13 113.8	1	1
	K. Max. Dry Density, pcf (from Chart)	113.2		
	L. Optimum Moisture, (from Chart)	14		
M. Percent Compaction $\frac{D}{K} \times 100$	101	88	97.6	

Remarks:

Resident Construction Engineer:

Signature:

PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ



Unique ID: _____

Status: _____

Date: 11-16

Project No: P089366

File No: 1454540

Road No: 19301

Road Info: _____

Contractor: LANE

Inspector: Roger whitfield

Nuclear Gauge Operator: Roger whitfield

Material: sand clay

SCDOT Gauge No.: _____

2

Daily Standard Count		
	A.M.	P.M.
Density		23995

Station No.		17470	16700	16725
Elevation From Finish Grade		-2.5	-2	-1.5
Offset		10'	6'	
Field Density	A. Density Count	1557.8	1539.4	1614.6
	B. Wet Density, pcf (Calibration Chart)	131.3	131.8	129.6
	C. Moisture, % (Speedy Moisture Tester)	13.6 14.6	13.4 14.3	14.6 15.9
	D. Dry Density, "pcf" (B X 100) / (100 + C)	114.6	115.3	111.82
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3942		
	F. Wgt. of Mold, gms	2011		
	G. Wgt. of Soil gms (E - F)	1931		
	H. Mold k Factor	.0663		
	I. Wet Density, pcf (Mold k x G)	128.0		
	J. Moisture, % (Speedy Moisture Tester)	12.2 12.8	1	1
	K. Max. Dry Density, pcf (from Chart)	115.6		
	L. Optimum Moisture, (from Chart)	12.8		
M. Percent Compaction	$\frac{D}{K} \times 100$	99	99.7	96.9

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ



Unique ID: _____

Status: _____

Date: 11-16-15

Project No: P029366

File No: 1454540

Road No: W 301

Road Info: _____

Contractor: Lane

Inspector: R Whitfield

Nuclear Gauge Operator: Rogan whitfield

Material: Sand clay

SCDOT Gauge No.: _____

3

Daily Standard Count		
	A.M.	P.M.
Density		2397.5

Station No.		14+25	15+25	16+80
Elevation From Finish Grade		-4'	0	-3.5
Offset		9'	5'	5'
Field Density	A. Density Count	1703.2	1574.1	1835.5
	B. Wet Density, pcf (Calibration Chart)	127.2	130.7	123.8
	C. Moisture, % (Speedy Moisture Tester)	13.6 14.6	13.2 14.1	13.2 14.1
	D. Dry Density, "pcf" (B X 100) (100 + C)	111	114.5	108.5
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3942		
	F. Wgt. of Mold, gms	2011		
	G. Wgt. of Soil gms (E - F)	1931		
	H. Mold k Factor	10663.1		
	I. Wet Density, pcf (Mold k x G)	128		
	J. Moisture, % (Speedy Moisture Tester)	12.2 12.8	1	1
	K. Max. Dry Density, pcf (from Chart)	115.6		
	L. Optimum Moisture, (from Chart)	12.8		
M. Percent Compaction	$\frac{D}{K} \times 100$	96	99	94

P

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

**PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ**



Unique ID: _____

Status: _____

File No: _____

Road No: 15301

Road Info: _____

Contractor: _____

Inspector: Roger Whitfield

Nuclear Gauge Operator: Roger Whitfield

Material: sand clay

Date: 11-16

Project No: P029366

SCDOT Gauge No.: _____

4

Daily Standard Count	
	A.M.
	P.M.
Density	2397.5

Station No.		14780	15700	12700
Elevation From Finish Grade		-3.5	-3.5	-3
Offset				
Field Density	A. Density Count	1257.6	1656.3	1844.4
	B. Wet Density, pcf (Calibration Chart)	125.6	128.5	123.5
	C. Moisture, % (Speedy Moisture Tester)	14.8 16.2	14.2 15.4	11.6 12.1
	D. Dry Density, "pcf" (B X 100) / (100 + C)	108.1	111.4	110.2
One-Point Proctor	E. Wgt. of Mold & Soil, gms			
	F. Wgt. of Mold, gms			
	G. Wgt. of Soil gms (E - F)			
	H. Mold k Factor			
	I. Wet Density, pcf (Mold k x G)			
	J. Moisture, % (Speedy Moisture Tester)	1	1	1
	K. Max. Dry Density, pcf (from Chart)	115.6		
	L. Optimum Moisture, (from Chart)	12.8		
M. Percent Compaction $\frac{D}{K} \times 100$	94	96	95.3	

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ



Unique ID:

Status:

Date: 11-16

Project No: P029366

File No: 1404340

Road No: 63 301

Road Info:

Contractor: L.A. Co

Inspector: Roger A. Whitfield

Nuclear Gauge Operator: Roger Whitfield

Material: sand clay

SCDOT Gauge No.:

Daily Standard Count		
	A.M.	P.M.
Density	<input type="text"/>	23975

Station No.		16 25	<input type="text"/>	<input type="text"/>
Elevation From Finish Grade		- 4'	<input type="text"/>	<input type="text"/>
Offset		8'R	<input type="text"/>	<input type="text"/>
Field Density	A. Density Count	1729	<input type="text"/>	<input type="text"/>
	B. Wet Density, pcf (Calibration Chart)	126.4	<input type="text"/>	<input type="text"/>
	C. Moisture, % (Speedy Moisture Tester)	12.8 / 13.6	1	1
	D. Dry Density, "pcf" (B X 100) (100 + C)	<input type="text"/>	<input type="text"/>	<input type="text"/>
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3933	<input type="text"/>	<input type="text"/>
	F. Wgt. of Mold, gms	2011	<input type="text"/>	<input type="text"/>
	G. Wgt. of Soil gms (E - F)	1922	<input type="text"/>	<input type="text"/>
	H. Mold k Factor	.06631	<input type="text"/>	<input type="text"/>
	I. Wet Density, pcf (Mold k x G)	127.4	<input type="text"/>	<input type="text"/>
	J. Moisture, % (Speedy Moisture Tester)	13.1 / 13.8	1	1
	K. Max. Dry Density, pcf (from Chart)	113.2	<input type="text"/>	<input type="text"/>
	L. Optimum Moisture, (from Chart)	14	<input type="text"/>	<input type="text"/>
M. Percent Compaction	$\frac{D}{K} \times 100$	98	<input type="text"/>	<input type="text"/>

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ



Unique ID: _____

Status: 1104540

Date: 11-17-15

Project No: PO29366

File No: _____

Road No: 69 301 1

Road Info: _____

Contractor: Lane

Inspector: Roger Whitfield

Nuclear Gauge Operator: Roger Whitfield

Material: Sand clay

SCDOT Gauge No.: _____

Daily Standard Count		
	A.M.	P.M.
Density	<u>2391.6</u>	<u>2393.7</u>

Station No.		<u>15700</u>	<u>16780</u>	<u>15725</u>
Elevation From Finish Grade		<u>-1</u>	<u>-1.5</u>	<u>0</u>
Offset		<u>4'</u>	<u>4'</u>	<u>6'</u>
Field Density	A. Density Count	<u>1613.8</u>	<u>1622.6</u>	<u>1679.8</u>
	B. Wet Density, pcf (Calibration Chart)	<u>129.5</u>	<u>129.4</u>	<u>127.8</u>
	C. Moisture, % (Speedy Moisture Tester)	<u>14.2 15.4</u>	<u>12.6 13.3</u>	<u>12.6 13.3</u>
	D. Dry Density, "pcf" (B X 100) / (100 + C)	<u>112.2</u>	<u>114.2</u>	<u>112.8</u>
One-Point Proctor	E. Wgt. of Mold & Soil, gms	<u>3949</u>		
	F. Wgt. of Mold, gms	<u>2011</u>		
	G. Wgt. of Soil gms (E - F)	<u>1938</u>		
	H. Mold k Factor	<u>.06631</u>		
	I. Wet Density, pcf (Mold k x G)	<u>128.5</u>		
	J. Moisture, % (Speedy Moisture Tester)	<u>11.8 12.3</u>	<u>1</u>	<u>1</u>
	K. Max. Dry Density, pcf (from Chart)	<u>115.6</u>		
	L. Optimum Moisture, (from Chart)	<u>12.8</u>		
M. Percent Compaction $\frac{D}{K} \times 100$		<u>97.0</u>	<u>98.8</u>	<u>99.5</u>

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

**PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ**



Unique ID: _____

Date: 11-17-15

Project No: PD 29866

Status: _____

File No: 1C104540

Road No: 6.5 301

Road Info: _____

Contractor: Lane

Inspector: R. Whitfield

Nuclear Gauge Operator: R. Whitfield

Material: Sand clay

SCDOT Gauge No.: _____

Daily Standard Count		
	A.M.	P.M.
Density	2391.6	2395.9

Station No.		15150		
Elevation From Finish Grade		0		
Offset		6"		
Field Density	A. Density Count	1621.6		
	B. Wet Density, pcf (Calibration Chart)	129.5		
	C. Moisture, % (Speedy Moisture Tester)	14.15.1	1	1
	D. Dry Density, "pcf" (B X 100) (100 + C)	112.5		
One-Point Proctor	E. Wgt. of Mold & Soil, gms	394.4		
	F. Wgt. of Mold, gms	20.11		
	G. Wgt. of Soil gms (E - F)	193.3		
	H. Mold k Factor	.06631		
	I. Wet Density, pcf (Mold k x G)	128.19		
	J. Moisture, % (Speedy Moisture Tester)	12.212.8	1	1
	K. Max. Dry Density, pcf (from Chart)	115.6		
	L. Optimum Moisture, (from Chart)	12.8		
M. Percent Compaction	$\frac{D}{K} \times 100$	97.3		

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ



Unique ID: _____

Status: _____

Date: 11-17-15

Project No: P029366

File No: _____

Road No: _____

Road Info: _____

Contractor: Lane

Inspector: R. Whitfield

Nuclear Gauge Operator: R. Whitfield

Material: Sand clay

SCDOT Gauge No.: _____

Daily Standard Count		
	A.M.	P.M.
Density		2995.7

Station No.				
Elevation From Finish Grade				
Offset				
Field Density	A. Density Count			
	B. Wet Density, pcf (Calibration Chart)			
	C. Moisture, % (Speedy Moisture Tester)	1	1	1
	D. Dry Density, "pcf" (B X 100) (100 + C)			
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3890	3872	3980
	F. Wgt. of Mold, gms	20.11	20.11	20.11
	G. Wgt. of Soil gms (E - F)	1879	1861	1969
	H. Mold k Factor	.06631	.06631	1300
	I. Wet Density, pcf (Mold k x G)	124.8	123.4	131.0
	J. Moisture, % (Speedy Moisture Tester)	10.4 10.7	12.1 12.6	12.1 12.6
	K. Max. Dry Density, pcf (from Chart)	115.8	109.5	116.6
	L. Optimum Moisture, (from Chart)	12.8	15.4	11.6
M. Percent Compaction	$\frac{D}{K} \times 100$	FAIL	FAIL	

Remarks:

Proctors Fail

Resident Construction Engineer:

Signature:

Form 200.03

PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ



Unique ID: _____

Status: _____

Date: 11-18-15

Project No: P029366

File No: 14104540

Road No: 301

Road Info: _____

Contractor: LANE

Inspector: R Whitfield

Nuclear Gauge Operator: Roger Whitfield

Material: sand clay

SCDOT Gauge No.: _____

Daily Standard Count		
	A.M.	P.M.
Density	2386	

Station No.		15+00		
Elevation From Finish Grade		0		
Offset		4'		
Field Density	A. Density Count	15836		
	B. Wet Density, pcf (Calibration Chart)	130.3		
	C. Moisture, % (Speedy Moisture Tester)	15.41 12	1	1
	D. Dry Density, "pcf" (B X 100) / (100 + C)	111.4		
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3952		
	F. Wgt. of Mold, gms	2011		
	G. Wgt. of Soil gms (E - F)	1941		
	H. Mold k Factor	.06631		
	I. Wet Density, pcf (Mold k x G)	128.7		
	J. Moisture, % (Speedy Moisture Tester)	12.126	1	1
	K. Max. Dry Density, pcf (from Chart)	115.6		
	L. Optimum Moisture, (from Chart)	8.21		
M. Percent Compaction	$\frac{D}{K} \times 100$	96		

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

**PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ**



Unique ID: _____

Status: _____

Date: 11-20-15

Project No: PD 29366

File No: 1404540

Road No: 301

Road Info: _____

Contractor: Lane

Inspector: R Whitfield

Nuclear Gauge Operator: R Whitfield

Material: sand clay

SCDOT Gauge No.: _____

Daily Standard Count	
	Density
AM	2381
PM	

Station No.			6492	6472
Elevation From Finish Grade			-4.5	-4
Offset			15'	8'
Field Density	A. Density Count		7620	1781.9
	B. Wet Density, pcf (Calibration Chart)		129.3	124.9
	C. Moisture, % (Speedy Moisture Tester)	1	14.4 15.6	15 16.4
	D. Dry Density, "pcf" ($B \times 100$) ($100 + C$)		111.9	107.3
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3915	3920	
	F. Wgt. of Mold, gms	2011	2011	
	G. Wgt. of Soil gms (E - F)	1904	1909	
	H. Mold k Factor	.06631	.06631	
	I. Wet Density, pcf (Mold k x G)	126.3	126.6	
	J. Moisture, % (Speedy Moisture Tester)	13.6 14.6	13.4 14.3	1
	K. Max. Dry Density, pcf (from Chart)	112.5	112.5	
	L. Optimum Moisture, (from Chart)	14.4	14.4	
M. Percent Compaction $\frac{D}{K} \times 100$		FAIL	99	95

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ



Unique ID: _____

Status: _____

Date: 11-20-15

Project No: PA 25366

File No: 1404540

Road No: 301

Road Info: _____

Contractor: LANE

Inspector: R. Whitfield

Nuclear Gauge Operator: R. Whitfield

Material: Sand clay

SCDOT Gauge No.: _____

2

Daily Standard Count		
	A.M.	P.M.
Density	2381	2390

Station No.		6+80	5+94	5+95
Elevation From Finish Grade		-3.5	-3	-2.5
Offset		13'	20'	14'
Field Density	A. Density Count	1534.6	1589.1	1757.2
	B. Wet Density, pcf (Calibration Chart)	131.8	130.3	125.5
	C. Moisture, % (Speedy Moisture Tester)	12.4 / 13.1	14.1 / 15.1	11.1 / 11.4
	D. Dry Density, "pcf" (B X 100) / (100 + C)	116.5	113.2	
One-Point Proctor	E. Wgt. of Mold & Soil, gms			
	F. Wgt. of Mold, gms			
	G. Wgt. of Soil gms (E - F)			
	H. Mold k Factor			
	I. Wet Density, pcf (Mold k x G)			
	J. Moisture, % (Speedy Moisture Tester)	1	1	1
	K. Max. Dry Density, pcf (from Chart)			
L. Optimum Moisture, (from Chart)				
M. Percent Compaction $\frac{D}{K} \times 100$		103.5	100	99.9

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ



Unique ID: _____

Status: _____

Date: 11.21.15

Project No: A029366

File No: 15104540

Road No: V4 301

Road Info: _____

Contractor: LANE

Inspector: R Whitfield

Nuclear Gauge Operator: R Whitfield

Material: sand clay

SCDOT Gauge No.: _____

Daily Standard Count		
	A.M.	P.M.
Density	2342.9	

Station No.		6+74	5+80	6+00
Elevation From Finish Grade		-2	-1.5	-1
Offset		6'	4'	4'
Field Density	A. Density Count	1483.3	1537.4	1406.1
	B. Wet Density, pcf (Calibration Chart)	133.4	131.7	133.7
	C. Moisture, % (Speedy Moisture Tester)	10.110.2	13.113.8	13.4114.3
	D. Dry Density, "pcf" $\frac{(B \times 100)}{(100 + C)}$	126.0	115.7	117.0
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3955		
	F. Wgt. of Mold, gms	2011		
	G. Wgt. of Soil gms (E - F)	1944		
	H. Mold k Factor	.06631		
	I. Wet Density, pcf (Mold k x G)	128.9		
	J. Moisture, % (Speedy Moisture Tester)	9.19	1	1
	K. Max. Dry Density, pcf (from Chart)	120.8		
	L. Optimum Moisture, (from Chart)	10.8		
M. Percent Compaction $\frac{D}{K} \times 100$	100	95.8	96.8	

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ



Unique ID: _____

Status: _____

Date: 11-21-15

Project No: P029366

File No: 14104540

Road No: 64 301

Road Info: 3

Contractor: Lane

Inspector: Roger Whitfield

Nuclear Gauge Operator: R. Whitfield

Material: sand clay

SCDOT Gauge No.: _____

Daily Standard Count		
	AM.	PM.
Density	2382.8	2381.9

Station No.		6480	400	0480
Elevation From Finish Grade		-0	-5	-4.5
Offset		4'	30'	22'
Field Density	A. Density Count	1522.1	1661.3	1528.8
	B. Wet Density, pcf (Calibration Chart)	132.0	126.1	131.9
	C. Moisture, % (Speedy Moisture Tester)	13.4 14.3	12.2 12.8	13.2 14.1
	D. Dry Density, "pcf" ($\frac{B \times 100}{100 + C}$)	115.5	112.4	115.6
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3987		
	F. Wgt. of Mold, gms	2011		
	G. Wgt. of Soil gms (E - F)	1976		
	H. Mold k Factor	.0663		
	I. Wet Density, pcf (Mold k x G)	131		
	J. Moisture, % (Speedy Moisture Tester)	11.4 11.9	1	1
	K. Max. Dry Density, pcf (from Chart)	117.6		
	L. Optimum Moisture, (from Chart)	12.1		
M. Percent Compaction $\frac{D}{K} \times 100$	98	95.6	98.3	

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

**PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ**



Unique ID: _____

Status: _____

Date: 11-21-15

Project No: PO 29706

File No: 1404540

Road No: 65 301

Road Info: _____

Contractor: Lane

Inspector: Roger Whitfield

Nuclear Gauge Operator: R. Whitfield

Material: bank clay
3

SCDOT Gauge No.: _____

Daily Standard Count		
	A.M.	P.M.
Density		

Station No.		0+50		
Elevation From Finish Grade		-4	-3.5	-3
Offset		25		
Field Density	A. Density Count	1478.9		
	B. Wet Density, pcf (Calibration Chart)	133.5		
	C. Moisture, % (Speedy Moisture Tester)	12.2 / 12.8	1	1
	D. Dry Density, "pcf" (B X 100) (100 + C)	118.9		
One-Point Proctor	E. Wgt. of Mold & Soil, gms			
	F. Wgt. of Mold, gms			
	G. Wgt. of Soil gms (E - F)			
	H. Mold k Factor			
	I. Wet Density, pcf (Mold k x G)			
	J. Moisture, % (Speedy Moisture Tester)	1	1	1
	K. Max. Dry Density, pcf (from Chart)			
	L. Optimum Moisture, (from Chart)			
M. Percent Compaction $\frac{D}{K} \times 100$		100.1		

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

**PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ**



Unique ID: _____

Status: _____

Date: 11-23-15

Project No: PD29366

File No: 1454540

Road No: 69 301

Road Info: _____

Contractor: Lane

Inspector: Roger Whitfield

Nuclear Gauge Operator: R. Whitfield

Material: sand clay

SCDOT Gauge No.: _____

Daily Standard Count		
	A.M.	P.M.
Density	2382.2	2384.2

Station No.	0+90	0+50	0+65		
Elevation From Finish Grade	-3.5	-3	-2.5		
Offset	1.8'	2.0'	1.7'		
Field Density	A. Density Count	1507.1	1582.3	1297.601	
	B. Wet Density, pcf (Calibration Chart)	132.6	130.9	129.7	
	C. Moisture, % (Speedy Moisture Tester)	12.1	12.6	11.6	15.4
	D. Dry Density, "pcf" ($\frac{B \times 100}{100 + C}$)	119.28	116.8	110.9	
One-Point Proctor	E. Wgt. of Mold & Soil, gms	3946			
	F. Wgt. of Mold, gms	2011			
	G. Wgt. of Soil gms (E - F)	1935			
	H. Mold k Factor	0.06631			
	I. Wet Density, pcf (Mold k x G)	128.3			
	J. Moisture, % (Speedy Moisture Tester)	12.4	13.1	1	
	K. Max. Dry Density, pcf (from Chart)	114.85			
	L. Optimum Moisture, (from Chart)	13.2			
M. Percent Compaction $\frac{D}{K} \times 100$	103	102	96.6		

Remarks:

Resident Construction Engineer:

Signature:

Form 200.03

PERCENT COMPACTION BY
NUCLEAR GAUGE - DIRECT READ



Unique ID: _____

Status: _____

Date: 11-23-15

Project No: A089366

File No: 1404540

Road No: W 301

Road Info: _____

Contractor: LAWE

Inspector: R Whitfield

Nuclear Gauge Operator: R. Whitfield

Material: Sand clay

SCDOT Gauge No.: _____

2

Daily Standard Count		
	AM.	P.M.
Density		2384.2

Station No.		0+70	0+50	0+80
Elevation From Finish Grade		-2	-1.5	0
Offset		1.4	2.2	1.4
Field Density	A. Density Count	1503.3	1604.1	1661.2
	B. Wet Density, pcf (Calibration Chart)	132.7	129.6	128.1
	C. Moisture, % (Speedy Moisture Tester)	15.16.4	14.21.5.4	13.6.14.6
	D. Dry Density, "pcf" $\frac{B \times 100}{100 + C}$	114.0	112.3	110.8
One-Point Proctor	E. Wgt. of Mold & Soil, gms			
	F. Wgt. of Mold, gms			
	G. Wgt. of Soil gms (E - F)			
	H. Mold k Factor			
	I. Wet Density, pcf (Mold k x G)			
	J. Moisture, % (Speedy Moisture Tester)	1	1	1
	K. Max. Dry Density, pcf (from Chart)	114.25		
	L. Optimum Moisture, (from Chart)	13.2		
M. Percent Compaction $\frac{D}{K} \times 100$	99.3	97.9	96.65	

Remarks:

Resident Construction Engineer:

Signature:

Form 200.02

**PERCENT COMPACTION BY
NUCLEAR GAUGE**



Unique ID: _____

Date: 11-23-15

Project No: P029366

Status: _____

File No: 1C104590

Road No: V9 301

Road Info: _____

Contractor: Lane

Inspector: Roger Whitfield

Nuclear Gauge Operator: R. Whitfield

Material: Sand Clay

SCDOT Gauge No.: _____

3

Daily Standard Count		
	A.M.	P.M.
Density		27.2

Station No.		1+00		
Elevation From Finish Grade		-5		
Offset		18'		
Field Density	A. Density Count	1614		
	B. Wet Density, pcf (Calibration Chart)	129.4		
	C. Moisture, % (Speedy Moisture Tester)	14.15	1	1
	D. Dry Density, "pcf" <small>(B X 100) (100 + C)</small>	112.4		
One-Point Proctor	E. Wgt. of Mold & Soil, gms			
	F. Wgt. of Mold, gms			
	G. Wgt. of Soil gms (E - F)			
	H. Mold k Factor			
	I. Wet Density, pcf (Mold k x G)			
	J. Moisture, % (Speedy Moisture Tester)	1	1	1
	K. Max. Dry Density, pcf (from Chart)	114.75		
	L. Optimum Moisture, (from Chart)	13.2		
M. Percent Compaction	$\frac{D}{K} \times 100$	97.9		

Remarks:

Resident Construction Engineer:

Signature: _____