



REPORT OF SOILS FIELD COMPACTION TESTING

CLIENT: Old Dominion Freight Lines
 500 Old Dominion Way
 Thomasville, NC. 27360
 Attn: Philip Danner

PROJECT: Old Dominion Building Expansion
 185 Rand Road
 Portland, ME

DATE: September 2, 2014 **REPORT #:** 14-55-00014-012

General Location: Backfill by walls under slab
Field Rep: Tristan Brackett
Contractor: n/a
Earthwork: Shaw Brothers
Air Temp: 70°F
Weather: Sunny
Soil Type: Gravel
Soil ID#: 14-931
Sample Source: Brickyard Pit

Proctor Value: 138.7 **Optimum Moisture:** 6.1%

Gauge Type: Troxler 3430 **Required Compaction:** 95%

| TEST NUMBER | DEPTH/ELEV. | MOISTURE % | DRY DENSITY PCF | PERCENT COMPACTION |
|--|-------------|------------|--------------------|-----------------------|
| 1 | 10" / 12" | 2.9% | 135.2 | 97.5% |
| LOCATION: 5' from line A and line 16 | | | | |
| 2 | 10" / 12" | 2.1% | 132.8 | 95.7% |
| LOCATION: 5' from existing wall, 5' from line B | | | | |
| 3 | 10" / 12" | 2.7% | 135.3 | 97.6% |
| LOCATION: 50' from existing wall, 5' from line B | | | | |
| 4 | 10" / 12" | 2.3% | 133.6 | 96.3% |
| LOCATION: 4' from Line 16, 3' from line B | | | | |
| 5 | 10" / 12" | 2.8% | 138.6 | 99.9% |
| LOCATION: 6' from existing wall, 3' from line A (outside backfill) | | | | |
| 6 | 10" / 12" | 3.0% | 133.9 | 96.6% |
| LOCATION: 50' from existing wall, 3' from line A (outside backfill) | | | | |
| 7 | 10" / 12" | 2.8% | 133.8 | 96.5% |
| LOCATION: 10' from end of line A, 3' out (outside backfill) | | | | |
| 8 | 10" / 12" | 3.5% | 138.2 | 99.6% |
| LOCATION: 3' from line 16, 10' from line A | | | | |
| REMARKS: | | | | |

NH MA ME CT VT RI

JOHN TURNER CONSULTING

CONSULTJTC.COM

19 DOVER STREET
DOVER, NH 03820
T 603.749.1841 F 603.516.6851

66 SOUTHGATE STREET
WORCESTER MA 01603
T 508.505.0126

6 CLINTON AVENUE
WESTFIELD MA 01085
T 413.642.0138

4775 ROUTE 14, UNIT 3
WRJ, VT 05001
T 802.295.1100

73 RAINMAKER DRIVE
PORTLAND ME 04103-1291
T 207.883.7878



REPORT OF SOILS FIELD COMPACTION TESTING

CLIENT: Old Dominion Freight Lines
500 Old Dominion Way
Thomasville, NC. 27360
Attn: Philip Danner

PROJECT: Old Dominion Building Expansion
185 Rand Road
Portland, ME

DATE: September 2, 2014 **REPORT #:** 14-55-00014-012

General Location: Backfill by walls under slab
Field Rep: Tristan Brackett
Contractor: n/a
Earthwork: Shaw Brothers
Air Temp: 75°F
Weather: Sunny
Soil Type: Gravel
Soil ID#: 14-931
Sample Source: Brickyard Pit

Proctor Value: 138.7 **Optimum Moisture:** 6.1%

Gauge Type: Troxler 3430 **Required Compaction:** 95%

| TEST NUMBER | DEPTH/ELEV. | MOISTURE % | DRY DENSITY PCF | PERCENT COMPACTION |
|-------------------------------------|-------------|------------|--------------------|-----------------------|
| 9 | 10" / 12" | 2.9% | 132.0 | 95.2% |
| LOCATION: Line B10, 5' out | | | | |
| 10 | 10" / 12" | 2.2% | 137.9 | 99.4% |
| LOCATION: Line A10, 5' out | | | | |
| 11 | 10" / 12" | 2.5% | 136.2 | 98.2% |
| LOCATION: Line A12.5, 5' out | | | | |
| 12 | 10" / 12" | 2.8% | 138.2 | 99.5% |
| LOCATION: Line A14.5, 5' out | | | | |
| 13 | 10" / 12" | 2.7% | 138.1 | 99.1% |
| LOCATION: Middle of line 16 | | | | |
| 14 | 10" / 12" | 3.5% | 132.3 | 95.4% |
| LOCATION: Line A10, 5' out | | | | |
| 15 | 10" / 12" | 2.1% | 137.1 | 98.9% |
| LOCATION: Line A12.5, 5' out | | | | |
| 16 | 10" / 12" | 2.8% | 136.3 | 98.3% |
| LOCATION: Line A14.5, 5' out | | | | |
| REMARKS: | | | | |

NH MA ME CT VT RI

JOHN TURNER CONSULTING

CONSULTJTC.COM

19 DOVER STREET
DOVER, NH 03820
T 603.749.1841 F 603.516.6851

66 SOUTHGATE STREET
WORCESTER MA 01603
T 508.505.0126

6 CLINTON AVENUE
WESTFIELD MA 01085
T 413.642.0138

4775 ROUTE 14, UNIT 3
WRJ, VT 05001
T 802.295.1100

73 RAINMAKER DRIVE
PORTLAND ME 04103-1291
T 207.883.7878



REPORT OF SOILS FIELD COMPACTION TESTING

CLIENT: Old Dominion Freight Lines
500 Old Dominion Way
Thomasville, NC. 27360
Attn: Philip Danner

PROJECT: Old Dominion Building Expansion
185 Rand Road
Portland, ME

DATE: September 2, 2014 **REPORT #:** 14-55-00014-012

General Location: Backfill by walls under slab
Field Rep: Tristan Brackett
Contractor: n/a
Earthwork: Shaw Brothers
Air Temp: 75°F
Weather: Cloudy
Soil Type: Gravel
Soil ID#: 14-931
Sample Source: Brickyard Pit

Proctor Value: 138.7 **Optimum Moisture:** 6.1%

Gauge Type: Troxler 3430 **Required Compaction:** 95%

| TEST NUMBER | DEPTH/ELEV. | MOISTURE % | DRY DENSITY PCF | PERCENT COMPACTION |
|---|-------------|------------|--------------------|-----------------------|
| 17 | 10" / 12" | 2.4% | 136.5 | 98.4% |
| LOCATION: 5' from line 16, 15' from line B | | | | |
| 18 | 10" / 12" | 2.2% | 136.4 | 98.3% |
| LOCATION: 5' from line 16, 4' from line A | | | | |
| 19 | 10" / 12" | 2.9% | 135.3 | 97.6% |
| LOCATION: Line A13.3, 6' from wall inside | | | | |
| 20 | 10" / 12" | 2.3% | 138.6 | 99.9% |
| LOCATION: Line A10.2, 7' from wall inside | | | | |
| 21 | 10" / 12" | 3.2% | 135.8 | 97.9% |
| LOCATION: Line B10.1, 6' from line B | | | | |
| 22 | 10" / 12" | 2.2% | 138.5 | 99.5% |
| LOCATION: Line A10.1, 6' from line A | | | | |
| 23 | 10" / 12" | 2.7% | 138.3 | 99.7% |
| LOCATION: Line 14.7, 10' from line A | | | | |
| 24 | 10" / 12" | 2.7% | 134.6 | 97.0% |
| LOCATION: Line 12.9, 6' from line A | | | | |
| 25 | 10" / 12" | 2.8% | 133.9 | 96.5% |
| LOCATION: Line 12.7, 8' from line B | | | | |
| 26 | 10" / 12" | 2.9% | 131.8 | 95.1% |
| LOCATION: Line 14.8, 8' from line B | | | | |
| REMARKS: | | | | |

NH MA ME CT VT RI

JOHN TURNER CONSULTING

CONSULTJTC.COM

19 DOVER STREET
DOVER, NH 03820
T 603.749.1841 F 603.516.6851

66 SOUTHGATE STREET
WORCESTER MA 01603
T 508.505.0126

6 CLINTON AVENUE
WESTFIELD MA 01085
T 413.642.0138

4775 ROUTE 14, UNIT 3
WRJ, VT 05001
T 802.295.1100

73 RAINMAKER DRIVE
PORTLAND ME 04103-1291
T 207.883.7878



REPORT OF SOILS FIELD COMPACTION TESTING

CLIENT: Old Dominion Freight Lines **PROJECT:** Old Dominion Building Expansion
 500 Old Dominion Way 185 Rand Road
 Thomasville, NC. 27360 Portland, ME
 Attn: Philip Danner

DATE: September 2, 2014 **REPORT #:** 14-55-00014-012

General Location: Backfill by walls under slab
Field Rep: Tristan Brackett
Contractor: n/a
Earthwork: Shaw Brothers
Air Temp: 66°F
Weather: Sunny
Soil Type: Gravel
Soil ID#: 14-931
Sample Source: Brickyard Pit

Proctor Value: 138.7 **Optimum Moisture:** 6.1%

Gauge Type: Troxler 3430 **Required Compaction:** 95%

| TEST NUMBER | DEPTH/ELEV. | MOISTURE % | DRY DENSITY PCF | PERCENT COMPACTION |
|--|-------------------|------------|--------------------|-----------------------|
| 25 | 10" / 12" – 62.9' | 2.4% | 136.8 | 98.6% |
| LOCATION: 15' from existing wall, 5' from line B | | | | |
| 26 | 10" / 12" – 62.9' | 3.3% | 136.3 | 98.2% |
| LOCATION: 50' from existing wall, 5' from line B | | | | |
| 27 | 10" / 12" – 62.9' | 2.8% | 135.8 | 97.9% |
| LOCATION: 6' from line 16, 6' from line B | | | | |
| 28 | 10" / 12" – 62.9' | 3.0% | 133.0 | 95.9% |
| LOCATION: 6' from existing wall, 5' from line A | | | | |
| 29 | 10" / 12" – 62.9' | 3.8% | 136.6 | 98.5% |
| LOCATION: 10' from existing wall, 3' from line A (outside backfill) | | | | |
| 30 | 10" / 12" – 62.9' | 3.3% | 136.1 | 98.1% |
| LOCATION: 50' from existing wall, 3' from line A (outside backfill) | | | | |
| 31 | 10" / 12" – 62.9' | 3.3% | 132.9 | 95.8% |
| LOCATION: 10' from end of line A, 3' away (outside backfill) | | | | |
| 32 | 10" / 12" – 62.9' | 2.9% | 137.0 | 98.8% |
| LOCATION: 50' from existing wall, 5' from line A | | | | |
| REMARKS: | | | | |

NH MA ME CT VT RI

JOHN TURNER CONSULTING

CONSULTJTC.COM

19 DOVER STREET
DOVER, NH 03820
T 603.749.1841 F 603.516.6851

66 SOUTHGATE STREET
WORCESTER MA 01603
T 508.505.0126

6 CLINTON AVENUE
WESTFIELD MA 01085
T 413.642.0138

4775 ROUTE 14, UNIT 3
WRJ, VT 05001
T 802.295.1100

73 RAINMAKER DRIVE
PORTLAND ME 04103-1291
T 207.883.7878