

R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244

LETTER OF TRANSMITTAL

City of Portland, Portland Int. Jetport

1001 Westbrook Street

Portland, Maine 04102

| | | | |
|------------|--|--------------|--------|
| Date: | July 7, 2010 | Project No.: | 557-14 |
| Attention: | Mr. Cuyler Feagles (cmf@portlandmaine.gov) | | |
| Re: | Concrete Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine | | |

We are sending you attached concrete cylinder test results.

| Cylinder No. (s) | Age (Days) |
|------------------|------------|
| 66062 | 7 |
| 66066 | 7 |

Remarks:

Copy To:
Roy Williams: rsw@portlandmaine.gov
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Signed: Bertha Dawn

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CONCRETE TEST/PLACEMENT REPORT

| | | | |
|--------------------------------|---|-----------------------------|-----------|
| Project Name: | Terminal Enhancement, Portland Int. Jetport | Date Cylinders Cast: | 30-Jun-10 |
| Project No: | 557-14 | Concrete Supplier: | Auburn |
| Weather Conditions: | Sunny | General Contractor: | Turner |
| Method of Placement: | Pump | Design Strength: | 4,000 |
| Admixtures: | Mid Range Water Reducer | Max Agg. Size: | 3/4 |
| Placement Location: | See attached sketch | | |
| Test Cylinder Location: | Footing: 1ZA - E3 | | |

Date Report Issued: JUL 08 2010

| | | | | | |
|---------------|--------|----------------------------|------------------|------------|------|
| 4x8 Cylinders | 4 | Cast by | Erik E. Cohenour | Time | |
| Load No. | 2 | Slump (in) ASTM C 143 | 4.5 | Batched @ | 1:28 |
| Ticket No. | 167053 | Air (°F) | 71 | Arrived @ | 1:50 |
| Truck No. | 86 | Concrete (°F) ASTM C 1064 | 77 | Total Time | 32 |
| Cubic Yds. | 10 | Air Content (%) ASTM C 231 | 5.1 | | |

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 01-Jul-10
 Condition of Cylinders: Good

| Lab No. | Test Date | Avg Dia (in) | Area (in ²) | Age (Days) | Load (lbs) | Compressive Strength (psi) | Break type |
|---------|-----------|--------------|-------------------------|------------|------------|----------------------------|------------|
| 66062 | 07-Jul-10 | 4.015 | 12.66 | 7 | 44,720 | 3530 | 2 |
| 66063 | 28-Jul-10 | | | 28 | | | |
| 66064 | 28-Jul-10 | | | 28 | | | |
| 66065 | HOLD | | | HOLD | | | |

*Concrete compressive strength by ASTM C 39

Types of Breaks



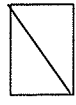
Cone
1



Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5



Double Side Fracture
6

| Load | Ticket Number | Truck Number | Cubic Yds | Slump (inches) | Air Temp (°F) | Conc Temp (°F) | (%) Air Content | Time (min.) |
|------|---------------|--------------|-----------|----------------|---------------|----------------|-----------------|-------------|
| 1 | 167052 | 78 | 10 | -- | -- | -- | -- | 35 |
| 3 | 167055 | 94 | 10 | -- | -- | -- | -- | 37 |
| 4 | 167056 | 78 | 10 | -- | -- | -- | -- | 60 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Remarks: 8 Total Loads
 Curing Temperatures: Max = 84°, Min = 55°

Checked by:
 Matthew T. Grady, Manager of MTS

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Sunny
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: See attached sketch
Test Cylinder Location: Footing: Y2.5 - XJ

Date Cylinders Cast: 30-Jun-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: JUL 08 2010

| | | | | | | |
|---------------|--------|----------------------------|------------------|------|------------|------|
| 4x8 Cylinders | 4 | Cast by | Erik E. Cohenour | | | |
| Load No. | 6 | Slump (in) ASTM C 143 | 5.5 | Time | | |
| Ticket No. | 167060 | Air (°F) | 71 | | Batched @ | 3:20 |
| Truck No. | 94 | Concrete (°F) ASTM C 1064 | 77 | | Arrived @ | 3:50 |
| Cubic Yds. | 10 | Air Content (%) ASTM C 231 | 6.2 | | Total Time | 40 |

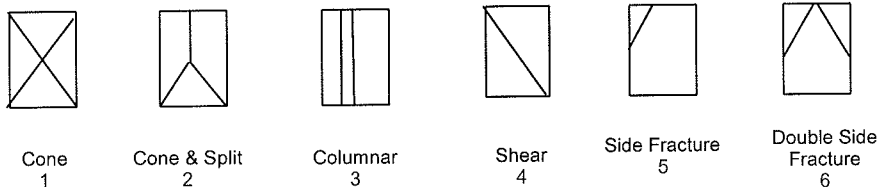
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 01-Jul-10
 Condition of Cylinders: Good

| Lab No. | Test Date | Avg Dia (in) | Area (in ²) | Age (Days) | Load (lbs) | Compressive Strength (psi) | Break type |
|---------|-----------|--------------|-------------------------|------------|------------|----------------------------|------------|
| 66066 | 07-Jul-10 | 4.015 | 12.66 | 7 | 37,040 | 2930 | 2 |
| 66067 | 28-Jul-10 | | | 28 | | | |
| 66068 | 28-Jul-10 | | | 28 | | | |
| 66069 | HOLD | | | HOLD | | | |

*Concrete compressive strength by ASTM C 39

Types of Breaks



| Load | Ticket Number | Truck Number | Cubic Yds | Slump (inches) | Air Temp (°F) | Conc Temp (°F) | (%) Air Content | Time (min.) |
|------|---------------|--------------|-----------|----------------|---------------|----------------|-----------------|-------------|
| 5 | 167058 | 86 | 10 | -- | -- | -- | -- | 33 |
| 7 | 167061 | 98 | 10 | -- | -- | -- | -- | 40 |
| 8 | 167062 | 76 | 4 | -- | -- | -- | -- | 41 |
| | | | | | | | | |
| | | | | | | | | |

Remarks: 8 Total Loads
 Curing Temperatures: Max = 84°, Min = 55°

Checked by: 
 Matthew T. Grady, Manager of MTS

