

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:      | September 2, 2010  | Project No.: | 557-14 |
| Attention: | Mr. Cuyler Feagles (cmf@portlandmaine.gov)   |              |        |
| Re:        | Concrete Testing<br>Terminal Enhancement, Portland Int. Jetport<br>Portland, Maine |              |        |

We are sending you attached concrete cylinder test results.

| Cylinder No. (s) | Age (Days) |
|------------------|------------|
| 66596            | 28         |
| 66597            | 28         |
| 66600            | 28         |
| 66601            | 28         |

Remarks:

Copy To:  
 Roy Williams: rsw@portlandmaine.gov  
 Jim Stanislaski: jim\_stanislaski@gensler.com  
 Cliff Takara: clifford\_takara@gensler.com  
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Signed: Bertha Dawn

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**CONCRETE TEST/PLACEMENT REPORT**

**Project Name:** Terminal Enhancement, Portland Int. Jetport  
**Project No:** 557-14  
**Weather Conditions:** Overcast  
**Method of Placement:** Pump  
**Admixtures:** Mid Range Water Reducer  
**Placement Location:** Footings at XF/Z1 - Z3  
**Test Cylinder Location:** Footing at XF/Z3

**Date Cylinders Cast:** 05-Aug-10  
**Concrete Supplier:** Auburn  
**General Contractor:** Turner  
**Design Strength:** 4,000  
**Max Agg. Size:** 3/4

**Date Report Issued:** **SEP 03 2010**

|               |        |                            |                     |      |            |       |
|---------------|--------|----------------------------|---------------------|------|------------|-------|
| 4x8 Cylinders | 4      | Cast by                    | Michael J. Kramlich |      |            |       |
| Load No.      | 2      | Slump (in) ASTM C 143      | 5.75                | Time |            |       |
| Ticket No.    | 178171 | Air (°F)                   | 76                  |      | Batched @  | 11:20 |
| Truck No.     | 84     | Concrete (°F) ASTM C 1064  | 86                  |      | Arrived @  | 11:40 |
| Cubic Yds.    | 10     | Air Content (%) ASTM C 231 | 5.6                 |      | Total Time | 35    |

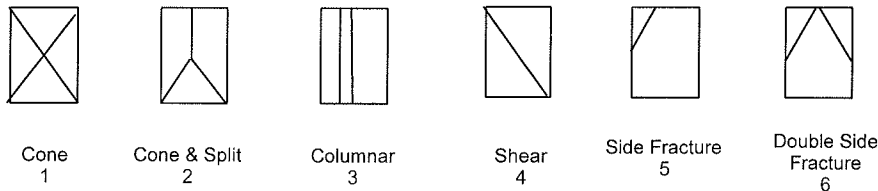
\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 06-Aug-10  
 Condition of Cylinders: Good

| Lab No. | Test Date | Avg Dia (in) | Area (in <sup>2</sup> ) | Age (Days) | Load (lbs) | Compressive Strength (psi) | Break type |
|---------|-----------|--------------|-------------------------|------------|------------|----------------------------|------------|
| 66595   | 12-Aug-10 | 4.014        | 12.65                   | 7          | 52,780     | 4170                       | 2          |
| 66596   | 02-Sep-10 | 4.015        | 12.66                   | 28         | 64,080     | 5060                       | 3          |
| 66597   | 02-Sep-10 | 4.015        | 12.66                   | 28         | 67,880     | 5360                       | 2          |
| 66598   | 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.) |
|------|---------------|--------------|-----------|----------------|---------------|----------------|-----------------|-------------|
| 1    | 178170        | 116          | 10        | --             | --            | --             | --              | 40          |
| 3    | 178172        | 94           | 10        | --             | --            | --             | --              | 35          |
| 4    | 178173        | 101          | 10        | --             | --            | --             | --              | 30          |
| 5    | 178174        | 86           | 10        | --             | --            | --             | --              | 40          |
|      |               |              |           |                |               |                |                 |             |
|      |               |              |           |                |               |                |                 |             |

Remarks: Total loads = 10

Checked by: Matthew T. Grady  
 Matthew T. Grady, Manager of MTS

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**CONCRETE TEST/PLACEMENT REPORT**

|                                |   |                             |           |
|--------------------------------|---|-----------------------------|-----------|
| <b>Project Name:</b>           | Terminal Enhancement, Portland Int. Jetport | <b>Date Cylinders Cast:</b> | 05-Aug-10 |
| <b>Project No:</b>             | 557-14                                      | <b>Concrete Supplier:</b>   | Auburn    |
| <b>Weather Conditions:</b>     | Overcast                                    | <b>General Contractor:</b>  | Turner    |
| <b>Method of Placement:</b>    | Pump  | <b>Design Strength:</b>     | 4,000     |
| <b>Admixtures:</b>             | Mid Range Water Reducer                     | <b>Max Agg. Size:</b>       | 3/4       |
| <b>Placement Location:</b>     | Footings at XF/Z1 - Z3                      |                             |           |
| <b>Test Cylinder Location:</b> | Footings at XF/Z3                           |                             |           |

**Date Report Issued:** **SEP 08 2010**

|               |        |                            |                     |      |   |
|---------------|--------|----------------------------|---------------------|------|---|
| 4x8 Cylinders | 4      | Cast by                    | Michael J. Kramlich |      |   |
| Load No.      | 6      | Slump (in) ASTM C 143      | 5.75                | Time | Batched @ 12:05<br>Arrived @ 12:25<br>Total Time 30 |
| Ticket No.    | 178175 | Air (°F)                   | 76                  |      |   |
| Truck No.     | 97     | Concrete (°F) ASTM C 1064  | 86                  |      |   |
| Cubic Yds.    | 10     | Air Content (%) ASTM C 231 | 5.5                 |      |   |

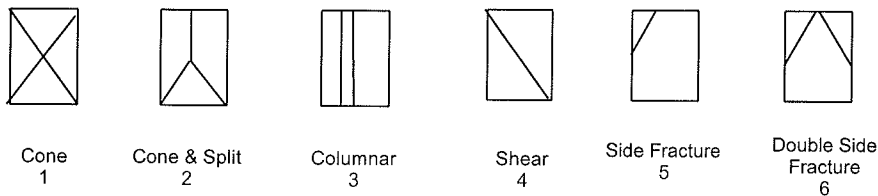
\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 06-Aug-10  
 Condition of Cylinders: Good

| Lab No. | Test Date | Avg Dia (in) | Area (in <sup>2</sup> ) | Age (Days) | Load (lbs) | Compressive Strength (psi) | Break type |
|---------|-----------|--------------|-------------------------|------------|------------|----------------------------|------------|
| 66599   | 12-Aug-10 | 4.014        | 12.65                   | 7          | 54,460     | 4310                       | 2          |
| 66600   | 02-Sep-10 | 4.015        | 12.66                   | 28         | 64,220     | 5070                       | 5          |
| 66601   | 02-Sep-10 | 4.015        | 12.66                   | 28         | 66,800     | 5280                       | 3          |
| 66602   | 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.) |
|------|---------------|--------------|-----------|----------------|---------------|----------------|-----------------|-------------|
| 7    | 178176        | 116          | 10        | --             | --            | --             | --              | 35          |
| 8    | 178178        | 94           | 10        | --             | --            | --             | --              | 35          |
| 9    | 178179        | 101          | 10        | --             | --            | --             | --              | 35          |
| 10   | --            | --           | 10        | --             | --            | --             | --              | --          |
|      |               |              |           |                |               |                |                 |             |
|      |               |              |           |                |               |                |                 |             |

Remarks: Total loads = 10

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 Matthew T. Grady, Manager of MTS