

## ATLANTIC TESTING LABORATORIES

WBE certified company

## MIX VERIFICATION REPORT NUMBER AT2505CL-04C-10-16

| CLIENT:<br>PROJECT:             | Oneonta E<br>Mix Design<br>Otsego Re   | n Verificati |              | PLACEMENT DATE: October 3, 2016 (Mo<br>CYLINDERS FABRICATED BY: R. Field<br>SUPPLIER: Otsego Ready Mix, Inc. |                                 |                     |              |  |                                  |               | (Monday)                |  |
|---------------------------------|--|--------------|--------------|--|---------------------------------|---------------------|--------------|--|----------------------------------|---------------|-------------------------|--|
| PLACEMEN                        |  |              | Design Ver   | rification   |                                 |                     |              |  |                                  |               |                         |  |
|                                 |  |              |              | MIX  | ( DESIGN                        | ΙΠΑΤΑ               |              |  |                                  |               |                         |  |
| MIX DATA OF                     |  |              |              | 10117  | CDECICI                         | DATA                |              |  | Ν                                | /lix Design   | ation: FS78             |  |
| DESIGN STR                      | ENGTH AT   | 28 DAYS      | 5000         | psi  |                                 |                     |              |  |                                  |               |                         |  |
| PER cy:                         | CEMENT   |              |              | 489 CEMENT BRAND:  |                                 |                     |              |  | Lafarge North America, Type I/II |               |                         |  |
|                                 | SLAG (lbs): WATER (gals): FINE AGG. (lbs): COARSE AGG. #2 (lbs): COARSE AGG. #1 (lbs): |              |              | 122 SLAG BRAND:<br>29.5 W/CM RATIO:<br>1270 FINE AGG. SOURCE:  |                                 |                     |              | Essroc, Oswego, NY<br>0.40<br>Poland Sand and Gravel, Russia, NY |                                  |               |                         |  |
|                                 |  |              |              |  |                                 |                     |              |  |                                  |               |                         |  |
|                                 |  |              |              | COARSE AGG SOURCE:   |                                 |                     |              | Cobleskill Stone, Cobleskill, NY                                 |                                  |               |                         |  |
|                                 |  |              |              | 1,800 COARSE AGG SOURCE:   |                                 |                     |              | Cobleskill Stone, Cobleskill, NY                                 |                                  |               |                         |  |
| AEA (oz):                       |  |              |              |  |                                 |                     |              | AEA92, Euclid Chemical Co.                                       |                                  |               |                         |  |
|                                 | WRA (oz  | <u>'</u> ):  |              | 18.3 V   | .3 WRA BRAND: Eucon WR91, Eucli |                     |              |  |                                  |               | Chemical Co.            |  |
| rformed in ac                   |  |              |              |  |                                 |                     |              |  |                                  |               | aboratory testing       |  |
| Fine                            | Coarse   | .            |              |  |                                 | Concrete            | 1 .          |  |                                  |               | Number of               |  |
| Aggregate<br>Absorption         | Aggregat<br>Absorption   | 1,70.0       |              | 1 '  | Slump                           | Temperatu           |              | Plastic Unit<br>Weight (pcf)                                     |                                  | Volume        | Cylinders<br>Fabricated |  |
| (%)                             | (%)  | on (cf)      | Numbe        | er (%)   | (in.)                           | (°F)                |              | Toignt (poi)   |                                  | (cf)          | , abridated             |  |
| 0.3                             | 0.4  | 26.8         | 1            | 5.3  | 5                               | 74.1                | 146          |  | .6                               | 1.5           | 9                       |  |
|                                 |  | 1            | _ABORAT(     | ORY DATA   | (ASTM                           | C 39, C 511         | , and (      | 2 123  | 1)                               |               |                         |  |
|                                 |  |              | Unit         | Date   |                                 | Cylinder            | To           |  | Unit                             | í             |                         |  |
| Cylinder                        | Batch  | Slump        | Weight       | of   | Age                             | Area                | Loa          |  | Load                             | Į.            | Sample                  |  |
| 1.D.                            | Number   | (in.)        | (pcf)        | Test   | (days)                          | (in. <sup>2</sup> ) | (lbs         |  | (psi)                            | <del></del>   | Location                |  |
| 2505CL-28                       | <u> </u>   |              | 145          | 10/06/16   | 3                               | 12.63               | 43,5         |  | 3450                             | <del></del> : |                         |  |
| 2505CL-29<br>2505CL-30          | 1  |              | 146<br>145   | 10/06/16<br>10/10/16   | 7                               | 12.57<br>12.63      | 45,4<br>62,0 |  | 3620<br>4910                     | <del></del> : |                         |  |
| 2505CL-30                       | -  |              | 145          | 10/10/16   | 7                               | 12.57               | 61,7         |  | 4910                             | <del></del> : |                         |  |
| 2505CL-32                       | 1  | 5            | 146          | 10/31/16   | 28                              | 12.57               | 89,6         |  | 7130                             | <u> </u>      | ATL Lab                 |  |
| 2505CL-33                       | 1  |              | 145          | 10/31/16   | 28                              | 12.63               | 91,4         |  | 7240                             | <del></del> : |                         |  |
| 2505CL-34                       |  |              | 141          | 10/31/16   | 28                              | 12.69               | 87,7         |  | 6910                             |               |                         |  |
| 2505CL-35                       |  |              | 145          | 11/28/16   | 56                              | 12.63               | 101,         | 010  | 8000                             |               |                         |  |
| 2505CL-36                       |  |              | 145          | 11/28/16   | 56                              | 12.63               | 98,8         | 90   | 7830                             |               |                         |  |
|                                 |  |              |              |  |                                 |                     |              |  |                                  |               |                         |  |
| e design data                   | was provid   | od by the    | diont        |  | REMAR                           | (S                  |              |  |                                  |               |                         |  |
| e design data<br>e final curing |  |              |              | h lime satu  | rated wat                       | ≏r                  |              |  |                                  |               |                         |  |
| z mai oumg                      | ao poriori   |              | to imou with | . mno oatu   | acoa wan                        | <b>-</b>            |              |  |                                  |               |                         |  |
|                                 |  |              |              |  |                                 |                     |              |  |                                  |               |                         |  |

Date: \_

December 1, 2016