



Vermont Agency of Transportation

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February 16, 2018

RESUBMIT No Approved
BY C. CARLSON DATE 02/16/18

December 15, 2017

Mr. Glenn Lavoie
Winterset Inc
128 Winterset Dr.
P.O. Box 968
Lyndonville, VT 05851

RE: VT/DOT: Rt 15A & At 15 Bridge Replacement (CO 003) Rt 100
C23199

For your records, please note that we would like to use the following concrete mix design (self-consolidating) in manufacturing.

Proportion indicated is per cubic yard basis:

Cement (Type III) Dragon	527#
Fly Ash (Charah Inc.)	225#
1/2" Crushed Stone (Dracut)	1,552#
Sand (Fillmore Industries, Inc.)	1,401#
Water	275#
Glennium 7710 (BASF)	85 oz
MBAE 90 (BASF)	7 oz
Maximum Slump Spread	20" to 26"
Entrained Air	6%±1%
Concrete Strength (28 days)	5,000 psi
Water/Cement Ratio	0.36 max.

Stone Absorption – 0.40

Sand Absorption – 0.95

Please call me if you have any questions.

Very truly yours,
Concrete Systems, Inc.
Mr. Kanti Patel
Quality Control Manager

MX-FA5000SC30

9 Commercial Street Hudson, New Hampshire 03051 Phone (603) 889-4163
Fax Number: Precast Sales (603) 889-0039
Fax Number: Manhole Design and Engineering (603) 598-1344