

The following product(s) are not activated:

**Approved AsNoted**

BY: Erin Lewis  
 DATE: 04/28/2017  
 RESUBMIT: No  
 RECEIVED: April 27, 2017  
 CKD BY: Erin Lewis & Jim Wild

**STATE OF VERMONT  
 AGENCY OF TRANSPORTATION**

**MIX DESIGN**

MICHIE CORPORATION  
 173 BUXTON INDUSTRIAL DR. HENNIKER, NH  
 5035CAS-5000 PSI SCC 50% SLAG [0]  
 04/26/2017

Compressive Strength :	5000 psi at 28 days	Source of Concrete :	Michie Corporation, Henniker, NH
Aggregate size :	3/4" -- 19 mm	Construction type :	PRECAST
Air :	5.0 to 9.0 %	Placement :	Mixer Truck
Water/Cement ratio :	0.359	Unit Weight :	144.42 pcf
Slump :	24.00 to 27.00 in	Design Date :	03/30/2016

Constituents :	Quantity	Density	Volume
Dragon Type III (Dragon Products)	352 lb	3.150	1.79
SLAG (Dragon Products)	352 lb	2.810	2.01
WATER (Michie Corporation)	241 lb	1.000	3.86
#67 3/4" STONE (Michie Corporation, Henniker, NH)	1665 lb	2.724	9.80
WASHED SAND (Michie Corporation, Henniker, NH)	1295 lb	2.669	7.78
ADVACAST 535 (W.R. Grace Chemicals)	180.00 floz (US)/yd <sup>3</sup>		0.19
DAREX-II (W.R. Grace Chemicals)	3.00 floz (US)/yd <sup>3</sup>		0.00
Air	6.0 %		1.62
Total :		3905	27.04

*Conditionally approved by James Wild, UACT Structural Concrete Engineer. Permeability results should be available week of 5/1/17. Need mix wet test results also. IF permeability test results are outside spec requirements, any element made with this mix will be rejected. 4/27/17*

Remarks :  
 NOTE: BATCH WEIGHTS ARE S.S.D.  
 SAND ABSORPTION = 0.6  
 STONE ABSORPTION = 0.9  
*Barre City - Barre Town MEG-CM 6000 (1) project*

Reported by : Rusty Kehr  
 Date : 10/05/2015  
 Approval by : \_\_\_\_\_  
 Date : / /