



Date:

VTRANS STRUCTURAL CONCRETE FACILITY CHECKLIST

All questions contained in this form are to be completed by an authorized representative of the producer. The responses must accurately represent the condition of the facility and the equipment contained within.

Company Name:	Plant Location:
Plant Operator(s):	
Laboratory Manager:	

Type of Facility: <input type="checkbox"/> Permanent <input type="checkbox"/> Portable <input type="checkbox"/> Pre-existing <input type="checkbox"/> New to Location
Date when last VAOT inspection was performed:
Have there been any significant additions modifications or alterations to the facility which changes the manner in which the facility has operated previously? (if yes explain below) <input type="checkbox"/> Yes <input type="checkbox"/> No

Storage Bins:			Weigh Hoppers:			Scales:				
	Number	Capacity		Number	Capacity		Type	Capacity	Date sealed	Notes
Coarse			Coarse			Coarse				
Fine			Fine			Fine				
Cement			Cement			Cement				
Other			Other			Water				
						Other				

Admixtures:	
Product Name:	
Manufacturer:	
Location Dispensed:	
Graduations on container:	
Storage container:	
Date of last calibration/verification:	

Detail all provisions to provide concrete in cold weather:
Briefly explain the batching process this plant uses:
Comments:

VT Trans Specification – 501.04 Requirements for batching structural concrete:

1. Batch Plant:

- Does the batch plant meet the requirements of AASHTO M157? Yes No
- As defined in 501.04(a) is the plant equipped for semi-automatic batching and proportioning of all cementitious materials, aggregates, water and for automatic insertion of admixtures? (Required for new or relocated plants only) Yes No N/A
- Is the plant equipped to automatically and accurately record the quantity of all aggregates, cementitious materials and the water incorporated into each batch. (Automated plants only) Yes No N/A
- Is this plant equipped to record the required data in English and Metric units? (automated only) Yes No
- Is the plant equipped with an interlock to prevent the discharge mechanism from opening until the weight is within tolerance?(Automated plants only) Yes No N/A

2. Testing Laboratory:

- Is the testing laboratory housed within in a weatherproof building or room with a minimum area of 150 sqft and provides a minimum internal width 7ft? Yes No
- Is the laboratory adequately lighted, heated and ventilated? Yes No
- Is a sanitary toilet with lavatory available for use by agency personnel? Yes No
- Is a dedicated internet connection with a minimum speed of 700Kbps provided? Yes No
- Is the laboratory equipped with the required items listed in 501.04 of the most current Vermont Standard specifications for construction book? Yes No

3. Bins and Scales:

- Are separate compartments for fine aggregates? Yes No
- Are separate compartments for coarse aggregates used? Yes No
- Are the partitions between compartments adequately sized to prevent spilling of material under any working condition? Yes No
- Is the plant equipped with the means to add minute quantities of material and shut loading off with precision? Yes No
- Does the plant have the ability to remove overloaded material? Yes No
- Are the hoppers constructed to eliminate the accumulation of tare materials and are they able to discharge fully without jarring? Yes No
- Is the plant equipped with suitable scales? Yes No
- Are the scales able to report accurate measurements within .5% under operating conditions? Yes No
- Have the scales undergone the annual service and verification by a service person licensed by the Vermont Department of Agriculture? Yes No
- Are the plants scales currently sealed by the Vermont Department of Agriculture or conform with the scale requirements of its respective state? Yes No
- Are mass and any indicating devices conveniently and fully viewable by the operator while charging the hopper? Yes No

4. Accuracy of plant Batching:

- Is the plant able to report the weight of cement and water to within ± 1 percent? Yes No
- Is the plant able to report the weight of aggregates to within ± 2 percent? Yes No
- Is the plant able to report the weight of the admixtures to within ± 3 percent? Yes No

5. Storage and proportioning of Materials:

- Is the cement hopper properly sealed and ventilated to preclude dusting during operation? Yes No
- Are permanent cement sampling facilities provided? Yes No
- Are aggregate stockpiles located on a hard well-drained area with no contamination from underlying material and excessive moisture accumulation? Yes No
- Are aggregates from different sources stockpiled in separate areas? Yes No
- Are stockpiles made in accordance to 501.04 of the most recent Vermont Standard specifications for construction? Yes No
- Have all water metering methods undergone the annual verification/calibration? Yes No

6. Admixtures:

- Are admixtures able to be dispensed in such a manner that will ensure uniform distribution? Yes No
- Is Fly ash and/or GGBFS stored in an approved storage container be protected from rain or moisture Yes No
- Are all dispensers equipped with visual inspection aids? Yes No
- Is the dispensing system capable of circulating or agitating the entire contents of each admixture? Yes No
- Have admixtures been thoroughly agitated prior to annual production? Yes No
- Are admixtures stored to prevent freezing? Yes No

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