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| Version | Date | Description of Revisions |
| 1 | August 30, 2006 | Approved final document. |
| 2 | October 16, 2007 | Minor revisions by Legal Services. |
| 3 | November 13, 2009 | Modified ‘Related Sections’ |
| 4 | March 14, 2011 | Minor changes from Legal |
| 5 | April 13, 2012 | Addition of References and Replacement Parts sections on this page |
| 6 | June 28, 2012 | Reformatted to Remove White Space |
| 7 | August 6, 2013 | New Format |
| 8 | November 11, 2013 | First Draft specification update project (AV comments). Includes TW & Newfoundland Labrador specification additions. |
| 9 | March 10, 2015 | Draft based on OPSS |
| 10 | September 29, 2015 | Legal comments 1st review addressed |
| 11 | October 7, 2015 | Legal comments 2nd review addressed |
| 12 | February 10, 2016 | Revised Based on Legal comments #6285464-v3A |
| 13 | March 21, 2016 | Section Revised based on OPSS 506 (AAM) |
| 14 | December 12, 2017 | Updated Reference to OPSS.MUNI 506 November 2017) (AAM) |
| 15 | November 5, 2021 | Added measurement and payment, clarifications throughout to OPSS references (BM) |

NOTE:

This is a CONTROLLED Document. Any documents appearing in paper form are not controlled and should be checked against the on-line file version prior to use.

**Notice:** This Document hardcopy must be used for reference purpose only.

**The on-line copy is the current version of the document.**

# GENERAL

## Related Sections

### *[Under "Related Sections", identify other Sections that are related to, and/or dependent on, the work results or information specified elsewhere. The list should be limited to Sections with specific information that the reader might expect to find in this Section, but is specified elsewhere. For example, if hardware for aluminum entrances is specified in the aluminum entrance Section, a cross-reference would be appropriate in the finish hardware Section. The purpose of this cross-referencing is for information only, to aid in finding those other requirements—not to define the scope of the Section.*

### *Cross-referencing here may also be used to coordinate assemblies or systems whose components may span multiple Sections and which must meet certain performance requirements as an assembly or system.*

### *Contractor is responsible for coordination of the Work. Contractor is responsible for being familiar with and incorporating all required elements of cross-referenced Specifications cited.*

### *This Section is to be completed/updated during the design development by the Consultant. If it is not applicable to the section for the specific project it may be deleted.]*

### *[List Sections specifying installation of products supplied but not installed under this Section and indicate specific items.]*

### Section [\_\_\_\_\_\_ – \_\_\_\_\_\_\_\_\_\_\_\_]: Execution requirements for ...[item]... specified under this Section.

### Section [\_\_\_\_\_\_ – \_\_\_\_\_\_\_\_\_\_\_\_]: Product requirements for ...[item]... for installation under this Section.

### *[List Sections specifying related requirements.]*

### Section [\_\_\_\_\_\_ – \_\_\_\_\_\_\_\_\_\_\_\_]: [Optional short phrase indicating relationship].

#### Section 01060 – Regulatory Requirements

#### Section 01550 – Traffic Control

#### Section 01561 – Environmental Protection

## References

### Ontario Provincial Standards for Roads and Public Works (OPSS)

#### OPSS.MUNI 506 Construction Specification for Dust Suppressants (Nov 2017)

#### OPSS.MUNI 2501 Material Specification for Calcium Chloride (Nov 2017)

#### OPSS.MUNI 2503 Material Specification for Magnesium Chloride Solid and Magnesium Chloride Solution (Nov 2017)

## Delivery Storage and Handling

### .1 Supply water and/or calcium chloride in quantities and at times as required in order to mitigate the impacts of dust, or as directed by the Consultant.

### .2 Store bags of calcium chloride solid in weatherproof enclosures a minimum of 30m away from watercourses, wetlands and other environmentally sensitive areas shown on the Contract Drawings. *[Consultant to ensure Environmentally Sensitive Areas are identified on the Contract Drawings]*

# PRODUCTS

## OPSS.MUNI 506 is amended as follows:

### **506.04.01 Submission Requirements** The second and third paragraph are deleted and replaced by the following:

Dust suppressants shall not contain waste material.

### **506.05.02 Calcium Chloride Solid, Calcium Chloride Solution, and Calcium-Magnesium Chloride Blend** The first sentence is deleted and replaced by the following:

Calcium chloride solid and calcium chloride solution shall be according to OPSS.MUNI 2501. Calcium-magnesium chloride blend shall not be used on Regional projects.

### **506.05.03 Magnesium Chloride Solid and Magnesium Chloride Solution** is deleted in its entirety and replaced by the following:

Magnesium chloride solid and magnesium chloride solution shall be according to OPSS.MUNI 2503. Magnesium chloride solution may be substituted for magnesium chloride solid.

# EXECUTION

## OPSS.MUNI 506 is amended as follows:

### **506.07.01 General** The third sentence ofis deleted and replaced by the following:

Approved dust suppressants other than water, calcium chloride solid and calcium chloride solution blend shall be applied according to the manufacturer’s guidelines and application rates.

### **506.07.01 General** is further amendedby the addition of the following:

#### *Imminent Precipitation* Do not apply products if precipitation is occurring or forecast to occur before the product sets or cures.

#### *Proximity to Water* Ensure that dust suppressants do not enter and contaminate waterbodies, including surface and groundwater. Do not allow the product to leave the roadway.

#### *Sensitive Environments* Application rates near sensitive environments (e.g. *marshes) must* be closely monitored. *[Consultant to discuss with the Region a suitable dust suppressant for dust control in environmentally sensitive areas]*

#### *Flooding* Do not apply products to areas of roads that are subject to flooding.

### **506.09 Measurement and Payment** is deleted and replaced by the following:

All costs associated with the work of this Section shall be included in the Lump Sum price(s) for Item No(s). [ ] in the Bid Form.

### **506.10 Basis of Payment** isamendedby the addition of the following:

No extra compensation will be paid for any sweeping, cleaning, or the application of calcium chloride or water ordered and applied on Saturdays, Sundays or holidays.

**END OF SECTION**