



Specifications Update

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Quality Section

February 18, 2010

New Warm Mix Asphalt (WMA) Superpave Items

- **401800 – WMA, SUPERPAVE, TYPE C, 115 GYR, PG 64-22 (CARBONATE STONE)**
- **401801 – WMA, SUPERPAVE, TYPE C, 160 GYR, PG 64-22 (CARBONATE STONE)**
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- **401845 – THIN WMA, SUPERPAVE, TYPE C, PG 76-22, (NON-CARBONATE STONE)**
- **401846 – THIN WMA, SUPERPAVE, TYPE C, PG 76-22, (NON-CARBONATE STONE)**
- New set of item numbers for Warm Mix Asphalt were created. – very similar to our current Superpave items.
- WMA is produced at a lower temperature, resulting in lower energy costs and reduces emissions.
- Materials & Research Section will advise the Designers when to use the WMA items.
- It is the Department's intention to eventually switch to using WMA on all projects.

“Commonly Used Special Provisions”

- A commonly used special provision is a specification which is used often on projects and it has not changed in many years.
- We started the process of converting “Commonly Used Special Provisions” to Standard items and adding them to the list of Supplemental Specifications.
- Our Plan is to change 5-10 “Commonly Used Special Provisions” to Standard items every 6 months to coincide with our Supplemental Specification updates.

“Commonly Used Special Provisions”

<u>OLD NUMBER</u>	<u>NEW NUMBER</u>	<u>TITLE</u>
251501	251000	SILT FENCE
302500	302011	DEL NO. 3 STONE
302501	302014	DEL. NO. 8 STONE
302502	302010	DEL. NO. 2 STONE
302503	302012	DEL. NO. 57 STONE
302504	302013	DEL. NO. 67 STONE
302505	302015	DEL. NO. 10 STONE
302509	302009	DEL. NO. 1 STONE
705520	705007	SIDEWALK SURFACE DETECTABLE WARNING SYSTEM
743514	743004	FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN
746591	743005	FURNISH AND MAINTAIN PORTABLE LIGHT ASSEMBLY

- The above is a list of special provision items which have been converted to standard items.

Supplemental Specifications

- The Supplemental Specifications are no longer printed in the Bid Proposals.
- Contractors / Inspectors are directed to view them at DeIDOT's website.

SUPPLEMENTAL SPECIFICATIONS

REVISIONS AND CORRECTIONS TO THE AUGUST 2001 STANDARD SPECIFICATIONS

- Revised January 15, 2010 -

The Supplemental Specifications can be viewed and printed from the Department's Website.

To access the Website;

- in your internet browser, enter; <http://www.deldot.gov>
- on the left side of the page under 'INFORMATION', Click; 'Publications'
- scroll down under 'MANUALS' and Click; "Standard Specifications 2001"

The full Website Link is;

http://www.deldot.gov/information/pubs_forms/manuals/standard_specifications/index.shtml

Printed copies of the Supplemental Specifications are available upon request. A printed copy of the above referenced Supplemental Specifications will be included in the final contract documents upon award.

The Contractor shall make himself aware of these revisions and corrections (Supplemental Specifications), and apply them to the applicable item(s) of this contract.

Supplemental Specifications

Subsection 108.09 Schedule of Liquidated Damages. (6/12/09)

Update table with these new numbers.

Schedule of Liquidated Damages

Awarded Contract Value		Daily Charge	
For more Than -	To and Including -	Work Day	Calendar Day
\$ 0	\$ 25,000	\$ 430.00	\$ 310.00
25,000	50,000	450.00	320.00
50,000	100,000	600.00	430.00
100,000	500,000	940.00	670.00
500,000	1,000,000	1,220.00	870.00
1,000,000	2,000,000	1,500.00	1,070.00
2,000,000	5,000,000	1,570.00	1,120.00
5,000,000	10,000,000	1,750.00	1,250.00
10,000,000	15,000,000	2,790.00	1,990.00
15,000,000	20,000,000	4,650.00	3,320.00
20,000,000	25,000,000	6,500.00	4,640.00
25,000,000	30,000,000	8,340.00	5,960.00
30,000,000	35,000,000	10,210.00	7,290.00
35,000,000	Over	12,050.00	8,610.00

Supplemental Specifications

- Subsection 108.09 Schedule of Liquidated Damages.
(6/12/09) - Con't
- Liquidated Damages are revised every two years.
- Reviewed the total CE costs (salaries) of various projects.
- Calculated an average CE cost per day and grouped them according to awarded contract value.

Supplemental Specifications

Subsection 202.04 Removal of Existing Pipe (6/12/09)

Modify the third sentence in the paragraph as follows:

All existing pipes, regardless of depth, shall be removed with reasonable care.

- This used to be a “Commonly Used Project Note”.
- We incorporated this into the Supplemental Specifications.

Supplemental Specifications

Subsection 762.02 Construction Methods. (6/12/09)

Modify the last sentence in the paragraph as follows:

When saw cutting Portland cement concrete or hot-mix, hot-laid bituminous concrete for removal of pavement, the depth of saw cut shall be the full depth of the pavement.

- This used to be a “Commonly Used Project Note”.
- We incorporated this into the Supplemental Specifications.

Supplemental Specifications

Subsection 812.02 (i) Samples. (6/12/09)

Modify the paragraph as follows:

Coarse and fine aggregates for use in Portland cement concrete shall also be evaluated for potential alkali-silica reactivity (ASR) using at least one of the means referenced below along with any field service records available for the materials in question. If a field service record for a particular source includes evidence of deleterious ASR occurring in that source, then that source shall be classified as potentially reactive regardless of any laboratory test result for that source. Test results of the proposed aggregates shall be provided by the Contractor to the Engineer for review at least 30 days prior to the incorporation of the mixture on a Department project.

Tests and Criteria for Proposed Aggregate

Procedure	Description	Limit
AASHTO T303	Mortar Bar Expansion	<0.08% at 28 days
ASTM C1293	Concrete Prism Expansion	<0.04% at 1 year

Supplemental Specifications

- Subsection 812.02 (i) Samples. (6/12/09) -Con't.
- Revised the requirements for ASR.

Maintenance of Traffic Specification

763500 - Maintenance of Traffic

763643 - Maintenance of Traffic, All Inclusive ← New Item

- Item 763500 should be used when the designer wants traffic drums, temporary traffic control signs and permanent traffic control signs to be paid for separately under individual items.
- Item 763643 should be used when the designer wants traffic cones, temporary traffic control signs, and permanent traffic control signs to be included in the payment for 763643. Usually Pave and Rehab., CTF and small Bridge projects use the MOT, All Inclusive item.
- All temporary traffic control devices shall conform to the Delaware MUTCD. All devices shall be crashworthy in accordance with NCHRP Report 350 and MASH (Manual for Assessing Safety Hardware).
- A breakout sheet should be added to 763643 when there is more than one location involved.

SECTION 1**BREAKOUT SHEET - 1****CONTRACT NO. 29-062-06****ITEM 763643 - MAINTENANCE OF TRAFFIC, ALL INCLUSIVE**

Location No.	Location - Description	MOT Case Number	Unit of Measurement	UNIT PRICE
1	MOOSE LODGE RD	6 - TRAVEL LANES	L.S.	\$
2	SANDTOWN RD - PHASE I	6 - TRAVEL LANES	L.S.	\$
2	SANDTOWN RD - PHASE 2	6 - TRAVEL LANES	L.S.	\$
2	SANDTOWN RD - PHASE 3	6 - TRAVEL LANES	L.S.	\$

Total Lump Sum Bid Price for Item 763643 - Maintenance of Traffic, All Inclusive \$ _____

Sign Installation/Removal

749687 - INSTALLATION OR REMOVAL OF TRAFFIC SIGN ON SINGLE SIGN POST (EA)

749688 - INSTALLATION OF 4" DIAMETER HOLE, LESS THAN OR EQUAL TO 6" IN DEPTH (EA)

749689 - INSTALLATION OF 4" DIAMETER HOLE, GREATER THAN 6" IN DEPTH (EA)

749690 - INSTALLATION OR REMOVAL OF TRAFFIC SIGN ON MULTIPLE SIGN POSTS (SF)

- New Items for installing and/or removing signs.
- It is now the Contractor's responsibility to install/remove the signs.
- DelDOT's Sign Shop will continue to fabricate and supply the signs.

Special Provision Item

501526 – Patterned Portland Cement Concrete Pavement

705509 – Patterned Portland Cement Concrete Sidewalk, 4”

705519 – Patterned Portland Cement Concrete Sidewalk, 6”

- We don't recommend the use of these items.
- It is very labor intensive and results often differ from what is expected in color.
- Maintenance Section doesn't have the manpower or finances to maintain.

Special Provision Item

763626 – Diesel Fuel Cost Price Adjustment

- Changed the Index from High Sulfur Fuel Index to Low Sulfur Fuel Index.
- Both indexes are very similar.
- We may be eliminating this adjustment in the near future when the index has stabilized within a $\pm 5\%$ range for 3 consecutive months.

Item Number Listing

- New Item Number Listing has been updated and may be viewed at the following link:

http://deldot.gov/information/business/drc/pd_files/plan_development/standard_items_special_provisions.pdf?012010

- Special Provisions may be viewed on the following Shared Drive:

G:\Shared\Trnsport Documents\Specs



DELDOT QUANTITY CALCULATIONS GUIDELINES

First Edition December 31, 2009

George Spadafino Quality Review Engineer
Glen Lovelace Bridge Resource Engineer

http://deldot.gov/information/business/drc/misc_files/quantity_calculations_12-31-2009.pdf



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**Thank you for your time and
attendance.**