

SPECIFICATIONS MANUAL UPDATE

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VISION FOR THE UPDATE

- REDUCE SPECIAL PROVISIONS AND OVERALL AMOUNT OF ITEMS IN GENERAL
 - CURRENTLY AROUND 4000 ITEMS
 - GOAL UNDER 2000
- MORE PERFORMANCE BASED / LESS PRESCRIPTIVE
 - END RESULT
- EASIER TO READ
 - ACTIVE VOICE / IMPERATIVE MOOD
- KEEP IN LINE WITH EDC INITIATIVE
 - DOING MORE WITH LESS

TEAM LEADERS

- DIVISION 100 CHRIS COSTELLO
- DIVISION 200 THAD McILVAINE
- DIVISION 300 JIM PAPPAS
- DIVISION 400 JIM PAPPAS
- DIVISION 500 JAVIER TORRIJOS
- DIVISION 600 JASON HASTINGS
- DIVISION 700 KELLY MANNERING
- DIVISION 800 ADAM WEISER
- DIVISION 900 WENDY POLASKO & MARY HAMILTON
- DIVISION 1000 JIM PAPPAS

LAYOUT OF DIVISIONS

- DIVISION 100 – 700 REMAIN THE SAME
- DIVISION 800 - OLD MATERIALS / NOW TRAFFIC RELATED
- DIVISION 900 – NEW EROSION, SEDIMENT, STORMWATER CONTROLS
- DIVISION 1000 – NEW MATERIALS SECTION

DETAILS

1. TEAM LEADERS DRAFTED LANGUAGE, HELD TEAM REVIEW MEETINGS AND PROVIDED A FINAL DRAFT
2. WEEKLY REVIEWS HELD WITH CONSTRUCTION, MAINTENANCE GROUPS AND OTHERS TO READ AND EDIT DRAFTS
3. POWER POINT PRESENTATIONS GIVEN TO DCA BY DEPARTMENT COVERING CHANGES TO SPECIFICATIONS AND WHY THE DEPARTMENT MADE THOSE DECISIONS. DCA PROVIDES INPUT AND COMMENTS. COMMENTS ARE ADDRESSED.
4. COMPLETE AND READY TO BE FORMATTED
5. ITEM NUMBERS ARE ASSIGNED AND CREATED IN TRANS*PRT UNDER 2015 SPEC YEAR DESIGNATION
-CURRENTLY MARKED OBSOLETE UNTIL UPDATE FINALIZED.

GENERAL CHANGES

- NO MORE METRIC REFERENCES
- LIMITING SPECIAL PROVISION CREATION
 - APPROVAL TO CREATE A SPECIAL PROVISION
 - PROJECT SPECIFIC ONLY
 - AFTER USE SPECIAL PROVISION WILL BE MARKED OBSOLETE FOR USE
 - ARCHIVED IN THE PROJECT FOLDER

DIVISION 200 CHANGES

- **SUBSECTION 202 – EXCAVATION AND EMBANKMENT**
 - UPDATED TO INCLUDED ROCK EXCAVATION FOR ROADWAY (205000), AND UNDERCUT EXCAVATION (212000)
 - THESE WILL BE ASSIGNED UPDATED 202XXX ITEM NOS.
- **SUBSECTION 203 – CHANNEL EXCAVATION**
 - UPDATED LANGUAGE ONLY
- **SUBSECTION 204 – TEST PITS (ORIGINALLY MUCK EXCAVATION)**
 - NEW CREATED ITEM, PAID BY THE CY
 - ORIGINALLY PAID UNDER 208000 AND SPECIAL PROVISION 202573

DIVISION 200 CHANGES

- **SUBSECTION 205 ROCK EXCAVATION FOR ROADWAY**
 - SUBSECTION DELETED – MOVED TO 202
- **SUBSECTION 206 ROCK EXCAVATION FOR AND BACKFILLING FOR STRUCTURES**
 - SUBSECTION DELETED - MOVED TO 207
- **SUBSECTION 207 STRUCTURAL EXCAVATION AND BACKFILL**
 - WAS EXCAVATION AND BACKFILLING FOR STRUCTURES
 - CREATED NEW ITEMS UNDER THIS SPECIFICATION:
 - ROCK EXCAVATION FOR STRUCTURES;
 - STRUCTURAL BACKFILL (BORROW TYPE B)
 - STRUCTURAL BACKFILL (BORROW TYPE C)

DIVISION 200 CHANGES

- **SUBSECTION 208 EXCAVATION AND BACKFILLING FOR PIPE TRENCHES**
 - DELETED
 - EXCAVATION AND BACKFILLING FOR PIPE TRENCHES WILL BE INCLUSIVE FOR ALL SIZE PIPES
- **SUBSECTION 209 BORROW**
 - WILL REMAIN BORROW
 - WILL NOW INCLUDE FURNISHING BORROW FOR UTILITY TRENCH THAT WAS PREVIOUSLY UNDER 210

200 DIVISION CHANGES

- **SUBSECTION 210 FURNISHING BORROW FOR PIPE TRENCH, UTILITY TRENCH, AND STRUCTURE BACKFILLING**
 - DELETED
 - EXCAVATION AND BACKFILLING FOR PIPE TRENCHES WILL BE INCLUSIVE TO ALL SIZE PIPES
 - STRUCTURE BACKFILLING WILL BE UNDER 207

200 DIVISION CHANGES

- **SUBSECTION 211 REMOVAL OF STRUCTURES AND OBSTRUCTIONS AND EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, AND SIDEWALK**
 - INCLUDES REMOVAL OF STRUCTURES AND OBSTRUCTIONS, FENCES, GUARDRAIL, PAID AS A LS
 - MODIFIED TO INCLUDE PCC PAVEMENT CURB AND SIDEWALK, PAID BY THE SY
 - 758000 WILL BE DELETED

211.01 Description -

Raze, remove, dispose of, or salvage: buildings; foundations; fences; structures; guardrail; abandoned pipelines or utilities; existing portland cement concrete pavement, curb and sidewalk and other obstructions designated for removal except for items removed and disposed of under other Sections of these Specifications. Backfill resulting cavities unless otherwise specified in the Plans.

200 DIVISION CHANGES

- **SUBSECTION 212 UNDERCUT EXCAVATION**
 - UNDER 202
 - BASIS OF PAYMENT AT NOT EXCEEDING 150% OF 202 WILL REMAIN

200 DIVISION CHANGES

- **The following Subsections have moved to Division 900:**
- Subsection 251 – Silt Fence → Subsection 905
- Subsection 252 – Inlet Sediment Control → Subsection 905 Devices
- Subsection 254 – Stone Check Dam → Subsection 907
- Subsection 255 – Sediment Trap → Subsection 905
- Subsection 261 – Temporary Slope Drain → Subsection 907
- Subsection 262 – Stilling Well → Subsection 909
- Subsection 262 – Sump Pit → Subsection 906
- Subsection 265 – Geotextile Lined Channel Diversion → Subsection 909
- Subsection 266 – Sandbag Dikes → Subsection 909
- Subsection 268 – Stabilized Construction Entrance → Subsection 908
- Subsection 269 – Turbidity Curtain → Subsection 909
- Subsection 270 – Portable Sediment Tank → Subsection 906

200 DIVISION CHANGES

- Subsection 271 – Stormwater Management Pond → Subsection 910
- Subsection 272 - Pond Outlet Structure, Concrete → Subsection 910
- Subsection 274 – Clay Borrow, Stormwater Management Pond → Subsection 910

200 DIVISION CHANGES

- **The following subsections have been removed completely:**
 - Subsection 250 – Sediment Removal
 - Subsection 257 – Riprap Ditch
 - Subsection 258 – Temporary Swale
 - Subsection 259 – Perimeter Dike/Swale
 - Subsection 260 – Earth Dike
 - Subsection 264 – Dewatering Basin
 - Subsection 273 – Temporary Sediment Basin Outlet Structure, Corrugated Metal

900 - General Organization of Changes

Combined all E&S and Stormwater Sections together.

- Section 110 and 111
- Section 251-255, 261-263, 265-272 and 274
- Section 732-735
- Added Pollution Prevention Section (903) to replace General Note on plans.

Deleted Sections

- Section 250
- Section 256-260
- Section 264 and 273

General Intent of the Changes

- Higher, more consistent, enforcement standard.
 - EPA audited DelDOT's E&S construction management, under the NPDES Permit.
 - End result was EPA Consent Order against DelDOT that required timely enforcement of control measures.
- E&S items will be all inclusive.
 - Installation, maintenance and removal paid for in one place.

901 Erosion, Sediment and Stormwater Management (Old Section 110)

- Legal Authority as a Delegated Agency
- Division of Responsibilities
 - Contractor Erosion & Sediment Control Supervisor
 - Minor, Medium and Major Projects
- Compliance Measures
 - Required actions based on ES2M Rating Form
- Incentive Special Provision (900500)
 - Special Provision will only be on select projects.
 - Will be decided in design process.

900500 - ENVIRONMENTAL PERFORMANCE INCENTIVE **(DISINCENTIVE)**

- The incentive payment is based on performance. Performance is determined by the score obtained on the ES2M Inspection Rating Reports that are completed weekly.

http://deldot.gov/information/business/drc/pd_files/plan_development/es2m_inspection_rating_form.pdf

http://deldot.gov/information/business/drc/pd_files/plan_development/es2m_inspection_rating_form_guidance.pdf

900500 - ENVIRONMENTAL PERFORMANCE INCENTIVE **(DISINCENTIVE)**

- Compliance procedures for failure to perform will be implemented per Section 901.06
 - Limited Suspension of Activity.
 - Withhold Progress Payments.
 - Stop Work Order.
 - Deduct Cost of Work Completed By Others.

900500 - ENVIRONMENTAL PERFORMANCE INCENTIVE **(DISINCENTIVE)**

- Incentive Special Provision (900500)
 - Special Provision will only be on select projects.
 - Will be decided in design process.
- The \$ value of the incentive is based on the CD's of the project and will be assigned by Wendy Polasko.
- 900500 shall be included in the Trans*prt estimate with the \$ value assigned and marked with a (Y) in the pre-established price flag (Fixed Price Item).

902 Dewatering (111)

- DNREC & DeIDOT Secretaries signed a Memorandum of Understanding March 13, 2013 with regard to Dewatering Operations.
- Only the number changed.

903 Pollution Prevention

(110.17 – 110.19 and replacement to General Project Note)

- Purpose is to minimize the potential for water pollution
- Not a pay item
- Waste Management
- Equipment and Vehicle Fueling and/or Maintenance
 - Spills and leaks controlled and cleaned up
 - Collect, recycle & dispose of fluids
- Dewatering Equipment
 - Secondary containment requirements
 - Removed at the end of the work day

903 Pollution Prevention

(Continued)

- Designated Washout Areas
 - Concrete, Paints, Solvents, etc.
 - New Detail, Concrete Washout
 - Inspected daily & maintained
- Storage Facilities and Staging Areas
 - Stored pollutants are to be secured & kept under cover
 - Fuel Storage (250 gallons or more)
 - Inspect daily and maintain
- Equipment Washing
 - Location requirements
 - No detergent
 - Route effluent to sanitary sewer whenever possible

904 (Set Aside)

905 Sediment Trapping Practices (251, 252 and 255)

- 905001 (251000) Silt Fence
- 905002 (251001) Reinforced Silt Fence
- 905003 (255000) Sediment Trap
- 905004 (252000) Inlet Protection, Drainage Inlet
- 905005 (252001) Inlet Protection, Curb Inlet
- 905006 (255501) Inlet Protection, Culvert Inlet

906 Dewatering Practices

(270, 263, 272)

- 906001 (270000) Portable Sediment Tank
- 906002 (270500) Dewatering Bag
-
- 906003 (263000) Sump Pit
 - No longer Type 1 & 2
 - Modified Type 2 is now the standard
- 906004 (272500) Skimmer Dewatering Device
- 906005 (New) Well Point System
 - LS payment

907 Water Control Practices

(254 and 261)

- 907011 (254000) Stone Check Dam
- 907012 (261001) Temporary Slope Drain, 12"
- 907013 (261002) Temporary Slope Drain, 18"
- 907014 (261003) Temporary Slope Drain, 21"
- 907015 (261004) Temporary Slope Drain, 24"
- 907016 (261005) Temporary Slope Drain, 30"

908 Soil Stabilization Practices

(110.09, 110.10, 268,732, 733, and 734)

- 908001 (732000) Topsoil
- 908002-908005 Topsoil Items

- 908002 (733000) Topsoiling
- 908006-908013 Topsoiling Items

- 908014 (734013) Permanent Grass Seeding – Dry Ground
 - Return to Hard Fescue Mix
 - Seasonal nurse crops

- 908015 (734015) Permanent Grass Seeding – Wet Ground
 - No seasonal nurse crops

- 908016 (734013) Permanent Grass Seeding – Subdivision
 - Turf-type Fescue Mix
 - Annual Ryegrass is the nurse crop

908 Soil Stabilization Practices

- 908017 (734017) Temporary Grass Seeding – Dry or Wet Ground (Now it's the same item)
 - Seasonal nurse crops
- 908019 (735531) Streambank Seed Mix, Seeding
- 908020 (735535) Erosion Control Blanket (Old Type 5 Blanket)
- 908021 (735536) Turf Reinforcement Mat – Type 1 (Old Type 6)
- 908022 (735537) Turf Reinforcement Mat – Type 2 (Old Type 7)
- 908023 (268000) Stabilized Construction Entrance

909 Waterway Construction Practices

(262, 265, 266 and 269)

- 909001 (266000) Sandbag Dike
- 909002 (266011) Sandbag Diversion
- 909003 (265000) Geotextile Lined Diversion
- 909004 (269000) Turbidity Curtain
- 909005 (265500) Stream Diversion
- 909006 (262000) Stilling Well

910 Stormwater Management Facilities

(271, 272, 274)

- 910001 Infiltration Stone, No.3
- 910002 Infiltration Stone, No.8
- 910003 Infiltration Stone, No.57
- 910004 Clay Borrow, Cut-off Trench
- 910005 Clay Borrow, Pond Liner
- 910006 Outlet Structure
- 910007 Stormwater Management Pond
- 910008 Infiltration Trench

SANDBAG SILT FENCE IN WETLANDS

- The regular item number is just silt fence. The below note on the EC sheet usually covers it.

SILT FENCE INSTALLATION ADJACENT TO WOODED UPLANDS/WETLANDS: SANDBAGS SHALL BE USED TO SECURE SILT FENCE IN LIEU OF TRENCHING UNLESS PROPER EROSION & SEDIMENT CONTROL CANNOT MAINTAINED. SANDBAGS USED TO SECURE SILT FENCE SHALL BE INCIDENTAL TO ITEM 905001 – SILT FENCE. THE ENVIRONMENTAL STUDIES SECTION (CAROL SULLIVAN, 302-760-2129) CAN PROVIDE FURTHER GUIDANCE REGARDING THIS METHOD OF INSTALLATION.

DIVISION 700 CHANGES

- DRAINAGE INLETS AND MANHOLES WILL BE UNDER 602
- GUARDRAIL HAS BEEN UPDATED AND WILL REMAIN UNDER 720
- TEMPORARY TRAFFIC CONTROL ITEMS, 743XXX, MOVED TO DIVISION 800
 - NO LONGER UNDER A COMBINED SPECIFICATION
- SIDEWALK AND CURB WILL BE ALL INCLUSIVE
 - ONE MEASUREMENT, ONE PAYMENT
 - NO SEPARATE PAY FOR GABC, EXCAVATION, ETC.

WHAT'S NEXT?

- DIVISION 100, 200, 600, 800 AND 900 ARE COMPLETE AND HAVE BEEN REVIEWED.
- ITEM NUMBER CREATION UNDERWAY
 - 900 NUMBER CREATION IS COMPLETE
 - 800 NUMBER CREATION WILL BE COMPLETE NEXT WEEK
 - 600 NUMBER CREATION WILL BEGIN NEXT WEEK
- REVIEW FOR DIVISIONS 300 & 400 WILL BEGIN IN MARCH
- DIVISION 500 REVIEW ON SCHEDULE FOR APRIL REVIEW
- DIVISION 700 REVIEW WILL BE LAST
- FULL IMPLEMENTATION BY SEPTEMBER 2015

THANK YOU.....

- TO EVERYONE THAT DRAFTED LANGUAGE, PROVIDED COMMENTS, SAT THROUGH LONG WEEKLY REVIEWS, HELPED ME CREATE ITEM NOS. IN THE DATABASE, PROVIDED SPREADSHEETS OF ITEM NO. CHANGES....**THANK YOU!!!**
- THANKS TO JIM PAPPAS AND MAUREEN KELLEY. WE COULD NOT HAVE DO THIS WITHOUT YOU!