

SUMMARY OF PUBLIC WORK STANDARD SPECIFICATION REVISIONS – 2017

STANDARD SPECIFICATIONS

102.12 Best Value Contracting

Partial payments shall be withheld if contractor is working on site and has not satisfied BVC.

Revised required documentation due to elimination of prevailing wage in 2017.

102.14 Ban The Box

Deleted sentence no longer needed referencing prequalification after January 1, 2016. Clarified the exemption to this ordinance.

107.1 Public Convenience and Safety

Revised language for contractor working extended hours as required by Engineer.

107.2 Protection and Restoration of Property, Property Monuments, and Public Land Survey Monuments

Added Public Land Survey Monuments to description.

107.10 Opening of Section of Highway to Traffic

Revise the number of working days to install signs/markings from 5 days to 8 days.

107.13(a) Underground Utility Excavation & Installation

Added sawcut to the work not allowed within five (5) feet of any tree.

107.15 Use of Pesticides

Created new article for prohibited pesticide use.

301.7 Curing (Concrete)

Allow for linseed oil based products on sidewalk, curb & gutter and other flatwork. Require PAM for concrete pavement.

303.2(n) Curb Ramp Detectable Warning Field

Added language for the cast iron material requirements. Class 35B is correct grade.

303.2(o) Tree Grates

Added language for the cast iron material requirements. Class 35B is correct grade.

304.1 Description (Miscellaneous Concrete Structures)

Added survey monument to the list of structures.

401.3 Measurement and Payment (Base Course)

Revised what information is required on each truck ticket and/or summary sheet.

402.1 Materials for Asphalt Construction

Added language that contractors will have to reference 2016 WISDOT specs for E mixes. Also, PG 64-22 is replaced with PG64-28 as the PG 64-22 is being eliminated.

402.2 Placing Asphalt Mixes

Clarified language on requirement for cold weather paving plan.

402.2(e) Compaction (HMA)

Increased the density requirement from 91.5 to 92.

402.2(f) Joints (HMA)

Included method and temperatures for reheating joints.

402.4 Asphalt Tack Coat
Increased tack coverage minimum from 0.05 gal/sy to 0.07 gal/sy.

402.6 Asphalt Pavement Mixtures (Payment)
Added language to reduce payment or remove material if HMA is not placed to specified density.
Revised what information is required on each truck ticket and/or summary sheet.

403.10 HMA Material For Curb Front Fill
Deleted redundant language.

403.16 Adjust Valve Casting, Method #1 - Resurfacing, Adjust Valve Casting, Method #2
- Resurfacing, Install Adjustable Water Box, Method #3 – Resurfacing
Deleted reference to monument casting in description of work. Monument casting will be address
in 403.17.

403.17 Adjust Monument Casting – Resurfacing
Revised language to provide engineer more option on adjusting casting.

502.1(d) Bedding of Sewer Pipes.
Added language to specify gradation for angular crushed rock bedding.
Deleted old gradation for angular crushed rock.

503.4(b) Sanitary Sewer Lateral – Resurfacing
New item for laterals to be used on resurfacing projects. Item includes restoration.

504.2 Materials
Added mandrel sizes for additional pipe sizes up to 36"
Deleted conflicting language that can be found in other sections,

504.2(j) Materials
Removed language specifically saying concrete apron endwalls to concrete pipe as a concrete
endwall can be used to connect to other types of pipe.

504.2(l) Materials
Added language to clarify pipe ties for dissimilar pipe connections.

504.4(c) Measurement and Payment
Added language to include the construction of a cutoff wall in accord with SDD 5.4.4 for new
apron ends where specifically called for in the storm sewer chart.

507.2 Castings
Update specification with correct class of cast iron (Class 35B)

507.3(c) Castings
Solid concrete blocks are not allowed to adjust castings. Precast adjusting rings are required per
detail 5.7.15.

507.3(d) Sewer Connections
Changed language to make it clear when a gasket connection is required and when a concrete
collar is allowed, plastic to precast require a gasket, all other public connections allow the use of
a collar.

607.1 General
Added language for new item Construct Electrical Handhole Type 7

702.3.2 Gaskets
Nitrile or Fluorocarbon gaskets may be required near contaminated soils.

702.5.2 Saddles

Saddles are no longer required for 1.5" and 2" service lateral taps if direct tapped into main.
Approved saddle products updated to specify only stainless steel full-circle style clamps.

702.5.3-5 Couplings, Corporation Stops, Service Fittings, and Curb Stops
Compression couplings and fittings are now permitted on all copper service lateral components.

702.5.6 Curb Boxes
East Jordan valve box products removed from standard material listing due to loose-fitting lids.

703.1 Construction Methods – General
Notification requirement if contaminated soil is encountered within 50-feet of water main installations.

703.2 Installation Tolerance and Utility Separation Requirements
Added sewer separation requirements to match the Wisconsin DNR requirements of NR 811.

703.11 Polyethylene Encasement
Require nylon straps if poly wrap is installed prior to lowering pipe into the trench.

703.13 Disinfection
Clarified the permitted procedures related to swab disinfecting water mains.

704.3 Furnish & Install Pipe & Fittings
Updated additional fitting payment to more accurately reflect multi-diameter fittings. Added payment criteria for specialty gaskets and/or clay trench plugs if soil contamination is encountered.

704.6 Furnish & Install Water Valve
East Jordan valve box products removed from standard material listing due to loose-fitting lids.
Added clarifying language to reflect valve box alignment tolerance in reference to SDD 7.06.

704.7 Furnish and Install Hydrant / Salvage Existing Hydrants
Masonry block support, where required, must be a full size, unbroken 4"x8"x16" block.

704.9 Furnish and Install Hydrant Water Service Laterals
Masonry block support, where required, must be a full size, unbroken 4"x8"x16" block.

704.12 Cut-In or Connect-To Existing Water System
Revise description to include associated thrust restraint and reference updated swab disinfection language.

704.17 Furnish and Install Insulation
Define R-Value requirement for foam board insulation of at least 5-per inch of thickness.

704.19 Water Valve Access Structure
Corrected typo in reference to SDD 7.05.

704.9 Furnish and Install Curb Stop
Masonry block support, where required, must be a full size, unbroken 4"x8"x16" block.

BID ITEMS

Revised or New Items

20303	SAWCUT ASPHALT PAVEMENT	LF
Revised wording from bituminous to asphalt.		

40321	UNDERCUT	CY
Revised unit from SY to CY.		

50354	SANITARY SEWER LATERAL – RESURFACING	LF
New item to use on resurfacing projects. This item includes restoration.		
50436-50454	STORM SEWER PIPE	LF
Added items for Type II, Type III and Type IV storm pipe.		
60708	CONSTRUCT ELECTRICAL HANDHOLE TYPE 7	EACH
New bid item.		

Deleted Items
NONE

DETAIL DRAWINGS

REVISED OR NEW

2.01 STANDARD PLANTING TECHNIQUE FOR PLANTING TREES IN TURF AREA
Describe partial removal of ball & burlap (B&B) material from root ball.

SDD 2.09 RAINGARDEN & BIO-RETENTION DETAIL
Revised flume to be concrete instead of rock and curb opening is hand poured.

SDD 3.07 MADISON STANDARD CONCRETE CURB & GUTTER
Revised Type 'X' curb & gutter section at pedestrian ramps.

SDD 3.12 MADISON STANDARD SECTION CORNER MONUMENT
Revised design so the monuments are easier to maintain.

SDD 5.2.01A STORM PIPE BEDDING AND BACKFILL – SECTION 1 OF SDD 5.2.2
Revised the initial backfill zone height and the description of backfill material.

SDD 5.4.4 RIPRAP AT APRON END WALLS
Added concrete cutoff wall to end of apron.

SDD 5.7.3 STORM SEWER FIELD POURED SAS AND CATCH BASINS
Added rebar to base and a 45 degree angle to lid.

SDD 5.7.7 TYPE 'H' INLET
Added language for pvc drain at low points.

SDD 5.7.7A PVC DRAIN PIPE AT LOW POINTS WITHOUT SURFACE PAVEMENT
New detail for pvc drain pipe at H inlets at low points.

SDD 5.7.15 SAS CHIMNEY AND CASTING
Revised language regarding adjustment rings.

SDD 5.7.17 SAS INTERNAL CHIMNEY SEAL
Added language allowing Cretex Pro-Rings in lieu of internal chimney seal.

SDD 6.13 LB-2 BASE
Revised drawing to removed Rod Couplers, require anchor bolts to extend 4 inches above concrete base and changed anchor bolt length from 19 inches to 24 inches

SDD 6.26A (new) TYPE VII HANDHOLE
New detail.

SDD 6.29 TEMPORARY STREET BARRICADE DETAILS

This was modified to reflect that this is a temporary barricade at street ends.
SDD 6.29A END-OF-ROADWAY SIGNING DETAIL
New detail to be mainly used at street ends of new plats.

SDD 6.41 SIGN POST PIPE INSERT IN CONCRETE
Enhanced drawing and clarified type of pipe thread for coupling.

SDD 6.42 PRECAST SIGN POST BASE DETAILS
Enhanced drawing and clarified type of pipe thread for coupling.

SDD 6.43 SIGN POST DETAIL
Enhanced drawing and clarified type of pipe thread for coupling.

SDD 7.03 TYPICAL STYROFOAM INSTALLATION
Added R-Value requirement to match Standard Specification revision.

SDD 7.06 WATER VALVE BOX ALIGNMENT
Depict valve box lid below finished pavement as required in Standard Specifications. Revise tolerance measurements to be taken from corner of operating nut.

SDD 7.10 SERVICE LATERAL INSTALLATION
Rename SDD and clarify private/new lateral segment beyond property line. Cover depth specified with min/max. Polywrap requirements depicted to match Standard Specifications.

SDD 7.22 OFFSETTING EXISTING WATER MAIN UNDER UTILITY CONFLICTS
Added utility clearance notes to reflect Standard Specifications. Added reference to vertical bend thrust restraint for applicable in-line restraint requirements. Distinguished existing WM from new WM.

SDD 7.23 CLAY TRENCH PLUG
Revise drawing to clarify required clay placement area.

DELETED
NONE