

SUMMARY OF PUBLIC WORK STANDARD SPECIFICATION REVISIONS – 2011  
ADOPTED ?????

102.10 Minimum Rate of Wage Scale  
Typo. Several paragraphs were repeated.

105.5 Inspection of Work  
Clarified that the contractor is required to provide access on a construction site for vehicles of the engineer or representatives.

105.15 & 105.16 Final Acceptance and Guarantee  
Revised some terminology to be consistent within these sections.

107.1 Public Convenience and Safety  
Added language that requires contractor to maintain sidewalk access on one side of the street at all times including ramps at intersections. Contractor can propose alternatives to this such as temporary ramps.

107.2 Protection and Restoration of Property and Property Monuments  
Revising section to clarify protecting and resetting survey monuments on construction projects. Also, moved the payment language for resetting a monument from section 304 to this section so all language is in one place.

107.9 Barricades, Warning Signs and Flagging  
Added section for Alternate Business Access Sign

107.10 Opening of Section of Highway to Traffic  
Require notification in writing.

107.12 Railroad-Highway Grade Separations and Approaches, New Railroad Crossings, Operations on Railroad Right-of-Way  
Clarified section that railroad insurance is incidental to the project unless there is a bid item for insurance. Clarified that railroad flagging is incidental to the insurance. Specified minimum insurance requirements.

107.13 TREE PROTECTION SPECIFICATIONS  
Added language to clarify measurements for root protection areas. Added a fine for failure to provide clean cut on roots along excavation limits within specified time.

107.14 (i) Cost Recovery Charges and Liquidated Damages  
Changes made to cost recovery methods due to tree damages

107.14 (j) Private Development, Assessment of Cost  
Changed Title and deleted assessment of Cost.

109.9 Liquidated Damages

Revised the rates for liquidated damages to match WISDOT. Rates have not been revised since 2004.

203.2(a) Removing Structures

In removing pipe, the work shall include removing the pipe as called out on the plan set. Pipe to be removed that is in the same trench as a new pipe shall not be compensated as remove pipe and shall be considered to be part of the new pipe installation. This includes unidentified pipe that is smaller than 10 inches in diameter.

204.2 STUMP GRUBBING

Added language to increase the depth of stump grinding to 24 inches for street terraces, boulevards, and tree grate locations.

207.3 (d) Mulching

Added language to indicate that when erosion matting is specified, mulch is not required.

207.5 Basis of Payment

Added language to indicate that when erosion matting is specified, mulch is not required.

209 TREES AND SHRUBS

Added language for condition and acceptance of plant material. Clarified acceptable mulching practices around new plantings. Clarified acceptable materials for support staking of tree. Updated specifications to current planting standards for removal of materials and nomenclature of root containers. Increased hours for engineer notification from 24-48. Incorporated requirements for water furnished to the Contractor by the City per Section 107.11. Reorganized paragraphs under acceptance and guarantee, deleted duplicate paragraphs.

210- Erosion Control

Deleted Article 210 – Erosion Control in its entirety and replaced with re-written erosion control specifications.

303 Concrete Mountable Median Island Nose

Clarified how they are to be measured and that this matches the bid item.

303.2(n) Curb Ramp Detectable Warning Field

Added another acceptable supplier.

304.2(f) Reset Monument

See section 107.2

306.3(a) Horizontal Sawcut Concrete Sidewalk Driveways, Traffic Islands and Steps

Added language that contractor needs to record sawcut measurements.

402.2(f) Joints

Require asphalt longitudinal joints to be hot joints when paving subsequent lanes

402.6(d) Asphalt "Hot" Joints

This is the pay item for 402.2(f)

403.6 Asphalt Lower Layer

Revised a typo

403.13 Adjust Catchbasin Casting – Resurfacing

Added language on how contractor is to set CB so that it matches the grade and slope of the street. Use a string line over 40 feet.

403.14 Adjust Inlet Casting, Type "H" – Resurfacing

Curb and gutter are paid through inlets similar to other section in the specifications

403.15 Adjust Inlet Casting, "Tub" Type - Resurfacing

Curb and gutter are paid through inlets similar to other section in the specifications

403.16 Adjust Valve Casting, Method #1 - Resurfacing, Adjust Valve Casting, Method #2 - Resurfacing, Install Adjustable Water Box, Method #3 – Resurfacing

Ramping with asphalt is included in bid item.

403.17 Adjust Monument Casting – Resurfacing

Corrected a typo.

403.18 Adjust Private Utility Castings – Resurfacing

Corrected a typo.

403.20 Rebuild Access Structure Top – Resurfacing

Ramping with asphalt is incidental

403.22(a) Sidewalk – Resurfacing

All transverse sawcuts are incidental

502.1 (c)

Delete the last paragraph before Table 2.

502.1 (c)

Amend Table 2

502.1 (c)

Amend Table 3 and added paragraph below Table 3.

504.2 (c)

Changed numbering from 504.2 (c) Corrugated Polyvinyl Chloride Pipe, to 504.2 (e) Corrugated Polyvinyl Chloride Pipe.

Added new 504.2 (c)

Deleted 504.2 (d) Steel Spiral Rib Pipe in its entirety and replaced it with new 504.2 (d) Annular Corrugated Profile Wall Polyethylene Pipe

Deleted 504.2 (e) in its entirety and replaced it with newly named 504.2 (e) Corrugated Polyvinyl Chloride Pipe.

Changed numbering from 504.2 (f) Storm Sewer Wyes, Tees, Angle-Sections, and Other Special Precast Sections, to 504.2 (h) Storm Sewer Wyes, Tees, Angle-Sections, and Other Special Precast Sections.

Added new 504.2 (f) Poly (Vinyl Chloride) Pressure Pipe

Changed numbering from 504.2 (g) Concrete Apron Endwalls for Concrete Pipe Sewers, to 504.2 (i) Concrete Apron Endwalls for Concrete Pipe Sewers.

Added new 504.2 (g) Triple walled Polypropylene Pipe.

Changed numbering from 504.2 (h) Metal Apron Endwalls for Corrugated Metal Pipe and Pipe-Arches to 504.2(j) Metal Apron Endwalls for Corrugated Metal Pipe and Pipe-Arches.

Changed numbering from 504.2 (i) Joint Ties, to 504.2 (k) Joint Ties.

Changed numbering from 504.2 (j) Storm Sewer Electronic Markers, to 504.2 (l) Storm Sewer Electronic Markers.

Changed numbering from 504.2 (k) Precast Reinforced Concrete Box Culvert, to 504.2 (m) Precast Reinforced Concrete Box Culvert.

509 Cured In Place Pipe

Corrected some typos

#### **701.8 – Unauthorized Operation of Hydrants and Valves**

Becomes ‘Unauthorized Tampering of Madison Water Utility Water System’.

Revise language to cover all Madison Water Utility facilities and include penalty information if violations are identified.

#### **702.4 – Hydrants**

Include hydrant extensions.

**702.7 – Saddles**

Revise to allow the use of Ford 202B double strap saddles, or equal.

**702.8 – Solid Sleeves**

Rename to ‘Sleeves’.

**702.13 – High Density Polyethylene Pipe (Horizontal Directional Drilling Only)**

Define specific concrete collar requirements.

**703.6 – Connecting to Existing Water Mains**

Requiring that planned shutoffs can’t exceed eight hours.

All notifications now require 48-hours notice.

Reference new Section 704.36 in Section 703.6 (3) for providing the excavation necessary for Madison Water Utility to perform the live-tap.

**703.8 (c) – Valve Installation**

Change top of box installation requirement from flush with finished grade to ¼-inch to ½-inch below finished grade.

**703.8 (d) – Hydrant Installation**

Adding language to define hydrant Extension requirements.

Replace “clear gravel” with “washed stone”.

**703.8 (e) – Pipe Casing**

Change “may be shut down” to “shall be shut-down” for failure to provide the specified boring and jacking plan as required.

**703.14 (a) Conductivity Testing**

Expanded conductivity / tracer wire testing procedures are identified.

**703.14 (b) Flushing Disinfection**

Include language documenting requirements of flushing chlorinated water to the sanitary sewer or the storm sewer.

Identify permit requirements for performing the described work.

**704.5 – Cut-In Connection**

Indicate concrete capping pipe or pipe plugs are incidental to the work and should provide a water-tight seal.

**704.6 – Furnish and Install Pipe and Fittings**

Change measurement from “centerline of pipe at the surface” to “along the centerline of pipe”.

**704.9 – Water Service Laterals**

Require new service boxes to be adjusted to finished grade.

Include language that the removal of existing curb stop / curb box is incidental work.

**704.12 – Reconnect or Disconnect Service Lateral**

Revise language to describe work as ‘disconnect/reconnect’.

Rename Bid Item 70443 – Disconnect / Reconnect 1-Inch Service Lateral.

Rename Bid Item 70444 – Disconnect / Reconnect 1 ½-Inch or 2-Inch Service Lateral.

**704.14 – Cut Off Existing Water Main**

Remove the language “except as noted in the specific Contract document”.

**704.15 – Abandon water Valve Box.**

Specify that the valve is to be installed in the closed position.  
Require the existing valve box to be removed when possible.

**704.25 – Cut out Existing water main fittings**

Indicate concrete capping pipe or pipe plugs are incidental to the work and should provide a water-tight seal.

**704.32 – Abandoning Existing Curb Box**

Add language defining that payment for this item occurs when the work is outside the existing service ditch.

**704.33 – Install Electronic Water Marker (removed item)**

Remove Specification 704.33.  
Remove Bid Item 70454 – Install Electronic Water Marker.

**704.33 – Replace Copper Service Lateral (new item)**

Replace existing specification number 704.33 with new specification language to incorporate replacement of existing copper service lateral.  
Replace Bid Item 70454 with new bid item ‘70454 – Replace Copper Service Lateral’.

**704.35 – Pipe Plugs for Water Main Installation (new item)**

Add new specification for work associated with pipe plugs during water main installation.  
Add new Bid Item ‘70455 – Pipe Plug for Water Main Installation’.

**704.36 – Furnish Excavation and Ditch For Live-Tap**

Add new specification for work associated with preparing excavation and ditch for Madison Water Utility to perform a live-tap connection.  
Add new Bid Item ‘70456 – Furnish Excavation and Ditch for Live Tap’.

**Bid Items 70460 through 70466 – Furnish and Install Additional XX-Inch Fitting (removed items)**

Remove bid items because prices are established by Section 704.28.

**Biditems**

Corrected typos

Added item for alternate business access sign

Added item for railroad insurance

Removed Concrete Mountable Median. It is redundant with Concrete Traffic Island

**Delete Bid Items**

21001 Silt Fence Complete

21002 Erosion Matting, Class I, Type URBAN

21003 Erosion Matting, Class I, Type A

21004 Erosion Matting, Class I, Type B  
 21005 Erosion Matting, Class II, Type A  
 21006 Erosion Matting, Class II, Type B  
 21007 Erosion Matting, Class II, Type C  
 21008 Erosion Matting, Class III, Type A  
 21009 Erosion Matting, Class III, Type B  
 21010 Erosion Matting, Class III, Type C  
 21011 Erosion Matting, Class III, Type D  
 21012 Erosion Bales Complete  
 21013 Clear Stone Berm for Erosion Control  
 21014 Construction Entrance  
 21015 Inlet Protection, Type C  
 21016 Street Construction Entrance Berm  
 21017 Inlet Protection, Type D  
 21018 Silt Sock  
 21021 Terrace Restoration  
 21022 Terrace Restoration

**New Bid Items**

21001 Erosion Control Plan & Implementation	LUMP SUM
21002 Erosion Control Inspection	EACH
21011 Construction Entrance	EACH
21012 Street Construction Entrance Berm	EACH
21013 Street Sweeping	LUMP SUM
21014 Clear Stone Berm (Ditch Check)	EACH
21015 Street Construction Stone Berm	EACH
21021 Silt Fence – Complete	LF
21022 Silt Fence – Provide, Install & Maintain	LF
21023 Silt Fence – Remove & Restore	LF
21024 Silt Sock – Complete	LF
21025 Silt Sock – Provide, Install & Maintain	LF
21026 Silt Sock – Remove & Restore	LF
21027 Erosion Bales – Complete	LF
21028 Erosion Bales – Provide, Install & Maintain	LF
21029 Erosion Bales – Remove & Restore	LF
21031 Inlet Protection, Type C – Complete	EACH
21032 Inlet Protection, Type C – Provide & Install	EACH
21033 Inlet Protection, Type C – Maintain	EACH
21034 Inlet Protection, Type C – Remove	EACH
21035 Inlet Protection, Type C Modified – Complete	EACH
21036 Inlet Protection, Type C Modified – Provide & Install	EACH
21037 Inlet Protection, Type C Modified – Remove	EACH
21038 Inlet Protection, Type C Modified – Remove	EACH
21041 Inlet Protection, Type D – Complete	EACH
21042 Inlet Protection, Type D – Provide & Install	EACH

21043	Inlet Protection, Type D – Maintain	EACH
21044	Inlet Protection, Type D – Remove	EACH
21045	Inlet Protection, Type D Modified – Complete	EACH
21046	Inlet Protection, Type D Modified – Provide & Install	EACH
21047	Inlet Protection, Type D Modified – Maintain	EACH
21048	Inlet Protection, Type D Modified – Remove	EACH
21051	Clean Sump	EACH
21052	Polymer Stabilization	SY
21061	Erosion Matting, Class I, Urban Type A	SY
21062	Erosion Matting, Class I, Urban Type B	SY
21063	Erosion Matting, Class I, Type A	SY
21064	Erosion Matting, Class I, Type B	SY
21071	Erosion Matting, Class II, Type A	SY
21072	Erosion Matting, Class II, Type B	SY
21073	Erosion Matting, Class II, Type C	SY
21081	Erosion Matting, Class III, Type A	SY
21082	Erosion Matting, Class III, Type B	SY
21083	Erosion Matting, Class III, Type C	SY
21084	Erosion Matting, Class III, Type D	SY
21091	Terrace Restoration	TF
21092	Terrace Restoration	SY

#### Detail Drawings

3.12 Revised to include current monument and casting being used

3.13 Concrete Traffic Island

4.01, 4.02, 4.03 Typical Street Sections. Clarified lower and upper asphalt layer depths

#### 1.04 INLET PROTECTION TYPE C

Added note for use of different geotextile fabric Type HR when inlet protection type is called out as “Modified”.

#### 1.05 CLEAR STONE BERM FOR EROSION CONTROL

Revised name to “Clear Stone Berm (Ditch Check)”, added note regarding spacing, added note to extend filter fabric.

#### 1.06 INLET PROTECTION TYPE D

Added note for use of different geotextile fabric Type HR when inlet protection type is called out as “Modified”.

#### 1.07 CONSTRUCTION ENTRANCE

Revised notes to underlay with geotextile fabric at all times.

#### 1.08 STREET CONSTRUCTION ENTRANCE BERM

Revised notes to underlay with geotextile fabric at all times.

- 1.10 STREET CONSTRUCTION STONE BERM  
New detail drawing.
- 5.2.1 A HDPE BEDDING AND BACKFILL  
Revised note to reference ASTM 2321 for compaction.
- 5.2.2 TYPICAL TRENCH COMPACTION  
Has been modified to clarify that 5.2.1 A is the same as “Section 1” in 5.2.2
- 5.4.13 BIO-RETENTION DETAIL  
Made minor corrections.
- 5.6.3 BOX CULVERT OUTLET GATE (DOWNSTREAM)  
Move the dowel bar to the backside / inside of the gate.
- 5.7.3 STORM SEWER FIELD POURED SAS AND CATCH BASINS  
To require #6 bars on 6” nominal centers note change.
- 5.7.4 STORM SEWER 6’X6’ CATCH BASIN  
To require #6 bars on 6” nominal centers note change.
- 5.7.7 TYPE ‘H’ INLET  
Incorrectly shows “depth” from TC to gravel base, should be TC to EI.
- 5.7.15 SAS CHIMNEY AND CASTING  
To allow alternate ring & adjusting methods.
- 6.30: Revised detail for bike detours and road closures
- 6.44: Added detail for Alternate Business Access