

2009 SPECIFICATION CHANGES – SUMMARY

Article 102 – Bidding Requirements and Conditions

Affirmative Action was moved from 3.58 to 39.02 in the Madison General Ordinances.

Article 202 – Fill

Revise Sections 202.2(h), 202.3(e), 202.3(f), 202.4 and 202.5 in order to allow two different size gradations of riprap all in accordance with the latest edition of the Standard Specifications for Highway and Structure Construction of the State of Wisconsin, Department of Transportation. Also, revise standard bid items by removing the standard bid item Heavy Riprap and replacing it with Medium Riprap and Extra Heavy Riprap.

Article 202(e) – Crushed Stone

Updated to match the current aggregate size of 1-1/4 inch

Article 207 - Seeding

Typo of one of the forbs in the Detention Basin Seed Mix: Bristly Seed should read Bristly Sedge. Adding a new section for a specification for a “no-mow” turf seeding formulation.

Article 210 – Erosion Control

Adding provisions/clarifications to each of the Erosion Control sections where applicable for silt fence and silt sock BMP's. Corrected various spelling errors. Also add Standard Detail Drawing 1.09 for Silt Sock.

Article 301 – Concrete and Concrete Structures

Add provisions to Section 301.3 to allow the use of a concrete waterproofing admixture in place of using epoxy coated reinforcing steel (unless otherwise specifically disallowed).

Article 305.6 – Remove and Replace Curb and Gutter, Sidewalk Program

All sawcuts will be incidental.

Article 306 - Miscellaneous

Added new section: This section will contain standard language for sawcutting trip hazards.

Article 403.2 – Added a 3-1/2" base patch by grind. Wedge cut grinding shall be 1-3/4" inches.

Article 403.8 – Added a 3-1/2" asphalt base patch

Article 403.16 - Adjust Valve Casting, Method #1 - Resurfacing, Adjust Valve Casting, Method #2 – Resurfacing, Install Adjustable Valve Box Riser

Language added to allow installation of screw in adjustable valve box riser. This method doesn't require excavation to adjust height of the valve box.

Article 403.21 – Remove and Replace Concrete Curb & Gutter, Resurfacing

All sawcuts will be incidental

Article 405 - Infrared Thermal Bond Seamless Asphalt Pavement Patching

This section was deleted.

Article 406 - Pavement Crack Sealing

Clarified the method of measurement and basis of payment

Article 407 – Spray Patching

Clarified method of measurement and basis of payment

Article 408 – Infrared Seamless Patching

This section was moved to Article 405

Article 502 – Trench Excavation, Bedding, and Backfill

Revise Backfill compaction specification under Section 502.1(e) to clarify compaction requirements for all trench applications. Also Standard Plates 5.2.2 and 5.2.3 are revised. Clarification requires 95% minimum compaction for all roadway and select fill application. Off road application require 90% minimum compaction unless specified otherwise.

Article 504 – Storm Sewer Pipes, Apron Endwalls and Other Storm Water Channels

Add Section 504.2(k) Precast Reinforced Concrete Box Culvert – adds this as a material specified to meet ASTM requirements.

Also Add Section 504.3(f) which specifies the construction methods for Precast Concrete Box Culverts.

Article 507 – Sewer Structures

Under Section 507.2(d) Inlets, Revise the Neenah number for casting #6 to R-3281-A. Previously there was no 'A' designation and the purchaser needed to select AL for left or AR for right. Now the casting is reversible.

Article 507.2 – Castings

This adds two new *Castings* to the standard specifications. One (Neenah #R-3262-2) is commonly used for discharge of runoff to the curb and the other (Neenah #R3262-6) is commonly used in the construction of a rain garden in the street terrace.

R-3808-0005 Component number for all version of Terrace Inlets (SDD 5.7.12) shall be made of DUCTILE IRON – this requires a special order from Neenah Foundry. Standard Gray Iron castings shall not be allowed for use

Article 508 – Utility Crossings

The provisions for Utility Line Openings are being modified such that an open cut method receives a single payment for all utilities located within a 5 foot length trench (was previously 10 feet). Also, payment provisions are created for method using Vacuum technology for a Utility Line Opening.

ARTICLE 509 Cured-in-Place Pipe (CIPP) Rehabilitation of Sewers and Sewer Access Structures

Additions include specifications for CIPP rehabilitation of sewers and sewer access structures, a trenchless technology involving the installation of a resin-impregnated flexible tube, which is tightly formed to the original pipe using pressurized hot water or steam. Specifications for sealing the liner at sewer access structures is included, as is the reconnection and chemical grouting of sewer laterals, methods of measurement and basis of payment.

Article 510 - STORM SEWER CLEANING AND TELEVISIONING, TREE ROOT REMOVAL, MANHOLE, SUMP & INLET CLEANING

Additions include specifications for the cleaning of large-diameter storm sewer pipes using hydraulically propelled, high-velocity jet or mechanically powered equipment. Specifications for televising the sewers are included, as are specifications for tree root removal, manhole, sump and inlet cleaning.

Article 601:

Added requirement that contractor load City-furnished materials.

Article 602:

Clarified the projection of cable and wire above concrete base.
Clarified pull wire requirement.

Article 604:

Added requirement to have anchor bolts preassembled in a cage before concrete is poured.
Changed the "Street Light Unit" removal item into two items: streetlight pole removal and streetlight base removal. Treating this as one item was confusing to contractors when we have a "streetlight unit" installation item that does not involve the base.

Article 605:

Clarified that conductors are required to each luminaire from the bottom of a pole holding two or more luminaires.

Standard Detail Drawing 1.09 - Silt Sock
New Detail

Standard Detail Drawings 3.03, 3.14 -- Standard Curb Ramps Type 1 & 2, Bike Ramp Curb Ramp
Detail
Added dimension for locating the truncated dome warning field

Standard Detail Drawing 5.4.13 has been replaced with an updated detail. The new detail includes 2 feet of #2 stone and eliminates buried pipe within the bio-retention area.

Standard Detail Drawing 5.7.36 has been replaced with an updated detail. The new detail includes clarification on the grate/casting type and revisions to dimensions to properly construct with the specified grate/casting.

Revised the following details to show the anchor bolt cage and conduit extension above top of base, and bolt circle diameter change (LB-1 only):
LB-1, LB-3, LB-4, LB-6, LB-7, LB-8

Standard Bid Item Numbers

Added 30601 - Sawcut Concrete Sidewalks, Driveways, Traffic Islands & Steps

Added 40334 - Base Patch Grinding, Method 4

Added 40351 - Asphalt Base Patching, 3-½ Inch

Added 40369 - Adjustable Valve Box Riser

Added 40501 - Infrared Seamless Patching

Added 40601 - Pavement Crack Sealing (Lump Sum)

Added 40602 - Pavement Crack Sealing (Lineal Feet)

Added 40701 - Spray Patching

Added 50901 FURNISH AND INSTALL CIPP TO REHABILITATE 6-INCH DIAMETER
SANITARY SEWER MAINS

Added 50902 FURNISH AND INSTALL CIPP TO REHABILITATE 8-INCH DIAMETER
SANITARY SEWER MAINS

Added 50903 FURNISH AND INSTALL CIPP TO REHABILITATE 10-INCH DIAMETER
SANITARY SEWER MAINS

Added 50904 FURNISH AND INSTALL CIPP TO REHABILITATE 12-INCH DIAMETER
SANITARY SEWER MAINS

Added 50905 REINSTATE AND RECONNECT SERVICE OPENINGS

Added 50906 CHEMICAL GROUT SEALING OF SANITARY SEWER SERVICE
CONNECTIONS

Added 51001 STORM SEWER CLEANING AND TELEVISIONING

ADDITIONAL REVISIONS

TE: Added and revised bid items to conform to specification changes and necessary work items.

WATER UTILITY CHANGES

Revision 1: section 702.1, paragraph 1: Specify all "new" materials
Revision 2: Section 702.4: Hydrants to be current or previous year model with flags.
Revision 3: Section 703.8, paragraph 1: Requiring the use of offsets for adjustments.
Revision 4: Section 703.8, in the 4th paragraph, clarify that clear stone is permitted.
Revision 5: Section 703.9, paragraph 1: Clarify Thrust Block material and construction details.
Revision 6: Section 703.12, paragraph 4: Clarify service connection configuration.
Revision 7: Section 704.9, 4th paragraph: Clarify service relocation payment
Revision 8: Section 704.10, 4th paragraph: Clarify service relocation payment for lead service laterals
Revision 9: Section 704.11, paragraph 5: Clarify service reconnect payment by size.
Revision 10: Section 704.12, paragraph 5: Clarify disconnect/reconnect service lateral payment for 1-1/2" and 2" services
Revision 11: Section 704.24 Provide specifications on terrace restoration for water work
Revision 12: Section 704.28 Clarification on payment for water main fittings
Revision 13: Add item "704.29 Furnish & Install Curb Box..... #"
Revision 14: Add item "704.30 Furnish & Install Curb Stop..... #"
Revision 15: Add item "704.31 Adjust Water Service Box..... #"
Revision 16: Add item "704.32 Abandon Existing Curb Box..... #"
Revision 17: Add item "704.33 Install Electronic Water Marker..... #"
~~Eliminate Bid Item 70411 – Extend and Reconnect Service Lateral:~~
~~Eliminate Bid Item 70412 – Reconnect or Disconnect Service Lateral:~~
Proposed Bid Item 70440 – Extend and Reconnect 1-Inch Service Lateral:
Proposed Bid Item 70441 – Extend and Reconnect 1 ½-Inch Service Lateral:
Proposed Bid Item 70442 – Extend and Reconnect 2-Inch Service Lateral:
Proposed Bid Item 70443 – Reconnect or Disconnect 1-Inch Service Lateral:
Proposed Bid Item 70444 – Reconnect or Disconnect 1 ½-Inch or 2-Inch Service Lateral:
Proposed Bid Item 70450 – Furnish & Install Curb Box:
Proposed Bid Item 70451 – Furnish & Install Curb Stop:
Proposed Bid Item 70452 – Adjust Water Service Box:
Proposed Bid Item 70453 – Abandon Existing Curb Box:
Proposed Bid Item 70454 – Install Electronic Water Marker:
Proposed Bid Item 70460 – Furnish and Install Additional 4-Inch Fitting:
Proposed Bid Item 70461 – Furnish and Install Additional 6-Inch Fitting:
Proposed Bid Item 70462 – Furnish and Install Additional 8-Inch Fitting:
Proposed Bid Item 70463 – Furnish and Install Additional 10-Inch Fitting:
Proposed Bid Item 70464 – Furnish and Install Additional 12-Inch Fitting:
Proposed Bid Item 70465 – Furnish and Install Additional 16-Inch Fitting:
Proposed Bid Item 70466 – Furnish and Install Additional 20-Inch Fitting: