



CITY OF RAPID CITY

Public Works Department

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www.rcgov.org

Date: August 24, 2022

To: Users of Standard Specifications

Ref: Revisions to Standard Specifications

The City of Rapid City Standard Specifications for Public Works Construction has been revised. The complete volume of the Standard Specifications, 2022 Edition, including Standard Details, in PDF format is available on the City's website at www.rcgov.org under the Engineering Department.

The 2022 edition of the Standard Specifications will be effective on October 1, 2022 and shall apply as follows:

Contractors and all who perform work requiring a permit which is issued after January 1, 2023 shall utilize the Standard Specifications 2022 Edition;

All City-funded design contracts awarded on or after October 1, 2022 shall utilize the Standard Specifications 2022 Edition; however, the City may, at its discretion, require the use of the Standard Specifications 2022 Edition on design contracts awarded prior to October 1, 2022;

All City-funded construction contracts for public improvements advertised for bids on or after January 1, 2023 shall utilize the 2022 Edition; and

All development engineering plans submitted to the City on or after January 1, 2023 shall utilize the Standard Specifications 2022 Edition.

Attached is a summary of the significant changes to the standard specifications. Each user of the specifications is encouraged to review the specifications to determine whether the changes affect their work.

If you have questions concerning these new standard specifications please contact the Engineering Services Division at 394-4154.

Sincerely,

Dale Tech, PE, LS
Public Works Director

Specification Change Summary 2022 Edition Rapid City Standard Specification October 2022

The 2022 edition of the standard City specification has been created to update earlier versions of the standard specification. Most sections of the standard specifications have undergone updates, some are minor and some are major.

In order to assist the user, the following listing is a summary of the subjective extent of change in the various sections from the 2007 version of the specification. If change has occurred in a section, the user is strongly advised to study the section to become familiar with the extent of the change. Although the summary attempts to categorize the change as none, minor, major, or removed, the user must determine whether even a minor change affects their work. Not all changes are identified in the “Remarks” column of this summary. The specification user is also cautioned to carefully review all standard details as many have changed to reflect the changes in the standard specification.

Section number and title	extent of change	Remarks
007 – General Conditions	Minor	
008A – Water	Major	Name change, changes throughout
008B – Corrosion Protection – Plastic Pipe Systems	Major	New Section
009 – Sanitary Sewer	Major	Changes throughout
010 – Earthwork – Cleaning and Grubbing	Minor	Based on DOT Section 100 when applicable
011 – Utility Excavation & Backfill	Moderate changes	Changes throughout
012 – Roadway & drainage Excavation	Minor	Based on DOT Section 120 when applicable
013 – Removal Items	Minor	Based on DOT Section 110 when applicable
014 – Embankment	Removed	Incorporated into Section 12 when applicable
015 – Disposal of Surplus Excavation & Waste	Removed	Incorporated into Section 12 when applicable
016 – Optioned Borrow Excavation	Removed	Incorporated into Section 12 when applicable
017 – Salvage, Stockpiling, and Placing Topsoil	Minor	Based on DOT Section 230 when applicable
018 – Erosion and Water Pollution Control	Major	Changes throughout

019 – Incidental Work	Minor	
020 – Granular Bases and Surfacing	Minor	Based on DOT Section 260
031 – Asphalt Concrete – General	Minor	Based on DOT Section 320 when applicable
032 – Asphalt Concrete – Class E	Minor	
033 – Asphalt Concrete – Class G	Removed	
034 – Asphalt Concrete – Class S	Removed	
035 – Prime, Tack, Fog Seal and Flush Seal Coats	Major	Fog Seal requirements added
036 – Cold Asphalt Planing	None	
037 – Asphalt Surface Treatment	Minor	
038 – Recycled Asphalt Product (RAP)	Major	New Section
039 – Cold Mix Asphalt	None	
040 – Portland Cement Concrete Pavement	Minor	Based on DOT Section 380 when applicable
041 – Utility Trench Resurfacing	Minor	
050 – Precast Concrete	Major	New Section based on DOT Section 560 when applicable
051 – Structural Excavation	Minor	Based on DOT Section 420 when applicable
052 – Box, pipe, and Plate Culvert Undercutting	Removed	Combined with Section 58
053 – Drainage Fabric for Reinforced Concrete Box Culverts	Removed	Combined with Section 58
054 – Drainage Pipe Installation	Major	Name Changed
055 – Cast in Place Concrete Structures	Minor	Name Changed. Based on DOT Section 460 when applicable
056 – Class M6 Concrete for Curb & Gutter and Flatwork	Minor	Name Change
057 – Reinforcing Steel	Minor	Name Change
058 – Concrete Box Culvert	Major	Name Change
059 – Steel Beam Guard Rail	Minor	Based on DOT Section 630

060 – Concrete Curb and Gutter	Minor	
061 – Concrete Sidewalk, Curb Ramps and Detectable Warning Surfaces	Minor	Name Change
062 – Drop- Inlets	Minor	Based on DOT Section 670 when applicable
063 – Storm Sewer Junction Boxes and Manholes	Minor	Name Change, Based on DOT Section 671 when applicable
064 – Under-Drains	Minor	
065 – Riprap	Minor	Based on DOT Section 700 when applicable
066 – Gabions	Minor	Name Change, Based on DOT Section 720 when applicable
067 – Fabric Formed Concrete	Removed	
068 – Bank and Chanel Protection Rock Filled Wire Baskets	Removed	Incorporated into Section 66
069 – Bank Protection Gabions	Removed	Incorporated into Section 66
070 – Seeding	Major	Changes throughout
071 - Fertilizing	Major	Changes throughout
072 – Mulching	Major	Changes throughout
073 – Sodding	Minor	
074 – Planting Trees, Shrubs, and Vines	Major	Changes throughout
075 – Transplanting Trees and Shrubs	Minor	
076 – Compost	Minor	Name change
090 – Roadway Signs and Delineators	Major	Based on DOT Sections 632 and 982 when applicable
091 – Pavement Markings	Major	Based on DOT Section 633 and 983 when applicable
092 – Temporary Traffic Control	Major	Based on DOT Section 634 and 984
093 – Traffic Signals and Roadway Lighting	Major	Based on DOT Sections 630 and 985
100 – Portland Cement	Minor	Based on DOT Section 750 when applicable

101 – Air Entraining Admixtures	Minor	Based on DOT Section 751 when applicable
102 – Chemical Admixtures for Concrete	Minor	Based on DOT Section 752 when applicable
103 – Fly Ash	Major	New Section, Based on DOT Section 753 when applicable
104 – Water for Use in Portland Cement Concrete	Minor	Based on DOT Section 790 when applicable
105 – Fine Aggregate for Use in Portland Cement Concrete	Minor	Based on DOT Section 800 when applicable
106 – Masonry Mortar Sand	Minor	Based on DOT Section 810 when applicable
107 – Coarse Aggregate for Use in Portland Cement Concrete	Minor	Based on DOT Section 820 when applicable
108 – Concrete Curing Materials	Minor	Based on DOT Section 821 when applicable
109 – Riprap and Slope Materials	Removed	Incorporated into Section 65
111 – Crushed Aggregate for Maintenance (Travel Gravel)	Removed	
112 – Select Granular Backfill	Minor	
113 – Preformed Expansion Joint Filler for Concrete	Minor	Based on DOT Section 860 when applicable
114 – Concrete Joint Sealer	Minor	Based on DOT Section 870 when applicable
115 – Aggregates for Asphalt Concrete	Minor	Based on DOT Section 880 when applicable
116 – Aggregates for Asphalt Surface Treatments	Minor	Based on DOT Section 881 when applicable
117 – Aggregates for Granular Bases and Surfacing	Major	Based on DOT Section 882 when applicable
118 – Asphalt Material	Minor	Based on DOT Section 890 when applicable
120 – Drainage Pipe Material	Major	Name Change
121 – Corrugated Metal Pipe	Removed	Incorporated into Section 120
123 – Concrete Reinforcement	Minor	Based on DOT Section 1010 when applicable
124 – Fabric Formed Concrete Mat Material	Removed	Section Deleted
125 – Gabions	Removed	Incorporated into Section 66

126 – Wood Preservatives and Preservative Materials	Removed	Section Deleted
145 – Bridge Repainting	Removed	Section Deleted
146 – Erosion Treatment Material	Removed	Incorporated into Section 18
190 – Watering	Minor	
200 – Low Strength Material (Flowable Fill)	Minor	Based on DOT Section 464 when applicable
201 – Construction Stakes, Lines, Grades	Minor	
202 – Geosynthetics for Roadways	Major	Changes throughout
203 – Submittals	Major	New Section
205 – Televising	Major	New Section