

2020 Standard Specifications for Construction

Division 8

2012 Spec Book – Division 8, 24 sections

2020 Spec Book – Division 8, expanded to 25 sections

High Level

- Grade of Concrete – Grade P1 and P2 (601) and S3 (701) now 3000, 3500 and 4500 (1004)
- Many FUSPs remain due to nature of items in Division 8. If it was more a standard item such as a steel strain pole or foundation item, it was incorporated. Anything to do with technology such as signals, controllers, etc. remained as an FUSP.
- Section 803 changed from “Concrete Sidewalk, Sidewalk Ramps, and Steps” to “Concrete Sidewalk, Curb Ramps, and Steps”
- Section 803, Concrete Sidewalk, Curb Ramps, and Steps, Introduced “Curb Ramp Opening” to 803.03I and 803.04. Differentiates payment for the opening at curb ramps from payment of the curb ramp or the full height curb and gutter. New pay item.
- Section 804, Concrete Barriers, Glare Screens, and Foundations for Light Standards and Sign Supports, Introduced “Curb Ramp Opening” to 803.03I and 803.04. Differentiates payment for the opening at curb ramps from payment of the curb ramp or the full height curb and gutter. New pay item.
- Section 805 “Hot Mix Asphalt Curb” updated wording for Vertical curb and required backfilling
- Section 809 “Field Office” added internet service and removed telephone service. Added pay items for storing survey equipment and testing samples and supplies.
- Section 814 “Paved Ditches” coordinate with new Division 10 for concrete ditches. Use HMA mix that matches shoulder leveling course. Update riprap, geotextile liner, cobblestone wording
- Section 817 “Landscape Mowing” removed – only a dozen uses of pay item from 2012 spec book
- Section 818 “Dune Grass Planting” removed – only 3 uses of pay item from 2012 spec book
- Section 819 “Electrical and Lighting” split into two sections, Section 818 “Electrical” and Section 819 “Lighting”
- Section 821 changed from Preservation of Land Monuments, Control Points, and Property Corners” to “Preservation of Boundary Monuments”
- Section 822 changed from “Ground or Cut Shoulder Corrugations” to “Shoulder and Centerline Pavement Corrugations”
- Section 824 changed from “Contractor Staking” to “Construction Surveying and Staking”
- Section 825 “Sanitary Sewer Systems” newly added

Individual Sections

Section 807, Guardrail, Guardrail Terminals, and Miscellaneous Posts

- Added language and pay items for reconstructing guardrail and adjusting guardrail height
- Added language and pay item for curved guardrail bridge anchorages
- Added language and pay item for guardrail anchored in backslope (MDOT Special Detail 24)
- Deleted Guardrail Buffered End pay item
- Deleted reference to NCHRP 350 for mailbox supports; alternative mailbox support designs must meet the requirements of MASH.

Section 810, Permanent Traffic Signs and Supports

- Increased emphasis to fabricate in accordance to Sign Support Standards
- Incorporated FUSP for flexible delineator
- Incorporated FUSP for cantilever mast arm removal, handling of cantilever sign supports, methods used
- Incorporated FUSPs for truss and cantilever confections tightening method
- Incorporated FUSP for sign removal from a bridge connection
- Incorporated FUSP for sign support reflective panels
- Incorporated FUSP on sign substrate materials
- Incorporated FUSP on truss and cantilever sign structure stenciling

Section 811, Permanent Pavement Markings

- Added wet reflective optics, modified urethane, and preformed thermoplastic into the materials and applicable tables
- Incorporated FUSP for Witness, Log
- Incorporated FUSP for placing markings on micro-surfacing projects (wait 30 days before 2nd application.
- Reduced waiting period between paving and placing low temperature waterborne (30 days to 5 days)
- Incorporated FUSP for changing spray thermo to waterborne for small quantities
- Incorporated FUSP for recessed pavement markings
- Incorporated FUSP for raised thermo rumble strips
- Incorporated FUSP for wet reflective liquid pavement markings
- Incorporated FUSP for guidelines
- New pay items for the new materials and incorporated FUSPs
- Added multiple measurement and payment descriptions

Section 812, Temporary Traffic Control for Construction Zone Operations

- Incorporated FUSP for Traffic Control Quality Control, 1 hour acknowledgment – 4 hours corrected or written plan in place and approved by engineer if can't be done in the 4 hours
- Temporary signs, 5 ft bottom height allowed on closed sidewalk, do not store against cable barrier
- Arrow board can't be stored in travel mode within 30 ft of traffic lanes
- Type III barricades, must be lighted, follow MMUTCD directional indications
- Glare screen added for temporary barrier
- Temporary barrier endings subject to approach traffic and not terminated behind guardrail must be attenuated or, if applicable shielded with a temporary concrete barrier sloped end section (R-126)
- Incorporated FUSP812V, wet reflective, FUSP812Y temporary special pavement markings
- Revised section clearly state marking removal requirements
- Temporary rumble strips (orange) for in advance, stop conditions
- Temporary signals, may stay in flash for less than 72 hours if lanes open to traffic and no work operations
- Incorporated FUSPs on lighting for night work
- Storage of Materials and Equipment, revised to clearly define what is to take place during working and nonworking times
- Pay items added for:

- Sign, Type B, Temp Prismatic, Special
- Sign, Portable, Changeable Message, NTCIP-Compliant
- Plastic Drum, High Intensity Fluorescent
- Temp Rumble Strips (Orange)
- Glare Screen, Temp
- Delineator, Flexible, Temp
- Delineator, Panels, Temp
- Tubular Marker
- Conc Barrier-Mounted Temp Sign System
- Reflective Panel for Temp Sign Support
- 18 pavement marking pay items

Section 822, Shoulder and Centerline Pavement Corrugations

- Replaced pay items Shoulder Corrugations, Ground or Cut, HMA/Conc with Freeway/Non-Freeway, Should Corrugations, Milled, HMA/Conc
- Added pay items: Centerline Corrugations, Milled, HMA/Conc
- Revised payment information to include the following: "all labor, material and equipment necessary to complete the work as described, including containment, collection and disposal of spoils. The work will be measured by the foot along the outside edge of each shoulder from the center of the first corrugation placed to the center of the last corrugation placed, excluding sections gapped for intersections, bridges, rail crossings or other locations, as shown on the Plans and as directed by the Engineer. No additional payment will be made for beadless waterborne layout lines. All other pavement marking payments will be paid for under the appropriate pavement marking pay items.