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505.2.6.2.2 Move "coat in a CRSI certified plant"; applies only to solid bars. ASP 6 Dec 2019 let.

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520.3.1 Eliminate the use of mortar pipe joint seals.

520.3.3 Include materials requirements for pipe joint fillers and seals.

520.3.7 Increase deflection testing for polyethylene and polypropylene pipe culverts. ASP 6 June 2020 let.

### **521 Corrugated Steel Culverts**

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525.2 Prohibit spiral rib pipe and require culvert pipe from a department-approved fabricator.

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530.2 Require culvert pipe from a department-approved fabricator.

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531 Combine foundation specifications for ancillary structures into one section.

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- 531.3.2 Specify requirements for drilled shafts and the use of casing.

- 531.3.3 Require replacing defective concrete foundations for ancillary structures.

- 531.5 Add concrete, drilling, rebar, foundation, and anchor assemblies bid items for ancillary structures foundations.

### **532 Ancillary Superstructures**

532 Combine structure specifications for ancillary structures into one section.

- 532.3.2 Require AASHTO LRFD for contractor designed overhead sign structures.

- 532.3.2.2 Require fabrication library submittal for high mast light tower drawings and design computations.

- 532.3.6.1 Add requirement for contractor anchor rod training certification.
- 532.5 Add high mast, structure mounted signs, and overhead sign support bid items.

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608.2.1 Require pipe from a department-approved fabricator and eliminate the use of mortar pipe joint seals.

608.3.3 Eliminate the use of mortar pipe joint seals.

608.3.7 Increase deflection testing for polyethylene and polypropylene storm sewer. ASP 6 June 2020 let.

### **611 Catch Basins, Manholes, and Inlets**

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### **630 Seeding**

### **631 Sodding**

### **632 Furnishing and Planting Plant Materials**

### **633 Delineators and Markers**

633.3 Combine crossover and median markers into one subsection covering all permanent flexible markers.

633.5 Combine the crossover and median marker bid items into a new bid item, Markers Permanent Flexible.

### **634 Wood and Tubular Steel Sign Posts**

### **635 Structural Steel Sign Supports**

635 Reference the new ancillary structure foundations section 531 instead of 636.

**Delete 636. Concrete sign supports are now covered under the new ancillary structure foundations section 531.**

### **637 Signing**

637.2.4.2.2 Eliminate the reference to the APL for overhead-mounted signs.

### **638 State Owned Signs and Supports**

638.3.2 Remove all signs on multiple supports before transporting.

## [639 Drilling Wells](#)

Delete 641. All sign structures are now covered under the new ancillary superstructures section 532.

## [642 Field Facilities](#)

## [643 Traffic Control](#)

643.2.3.3 Eliminate alternate sign covers that are not crash tested.

## [644 Temporary Pedestrian Facilities](#)

## [645 Geosynthetics](#)

645 Consolidate and clarify requirements for geosynthetics.  
- 645.2.3.2 Change the ASTM methods for tensile strength and overall flexural rigidity.  
- 645.3.1.5 Require covering type SR geotextile sooner, within 48 hours.

## [646 Pavement Marking](#)

646.3.1.1 Require Pavement Marking Daily - Longline and Pavement Marking Daily - Special forms.

646.3.1.2 Increase the bead application rate for paint marking.

646.3.1.6 Require a presence proving period for all materials but include retroreflectivity for grooved-in only.

646.3.2.3.1 Reduce the wait time before grooving asphalt pavement from 5 days to 2 days.

646.3.2.5 Require same-day marking for all long-line and specify delineation if marking cannot be placed.

## [648 Locating No-passing Zones](#)

## [649 Temporary Pavement Marking](#)

649.3 Require same-day marking for all long-line and specify delineation if marking cannot be placed.

## [650 Construction Staking](#)

## [651 General Requirements for Electrical Work](#)

## [652 Electrical Conduit](#)

## [653 Pull Boxes and Junction Boxes](#)

## [654 Bases](#)

654 Reference the new drilled shaft foundation section 531 for concrete, anchor rods, and concrete bases.

## [655 Electrical Wiring](#)

## [656 Electrical Service](#)

## [657 Poles, Arms, Standards, and Bases](#)

657 Reference the new ancillary superstructures section for galvanizing, bolt assemblies, and bolting.

657.5 Add new luminaire arms bid items and move the anchor assemblies on structures bid item to 531.

## [658 Traffic Signals](#)

## [659 Lighting](#)

## [660 High Mast Lighting Lowering Assemblies](#)

660 Move the foundation and pole shaft provisions for high mast lighting towers to 532.

660.5 Delete existing bid items & add a bid item for the lowering assembly and electrical installations.

## [661 Temporary Traffic Signals and Temporary Ramp Meters](#)

## [670 General Requirements for Intelligent Transportation Systems](#)

## [671 Intelligent Transportation Systems - Conduit](#)

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## [675 Controllers and Detectors](#)

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677.3 Reference structure installation provisions now in 532.3.6.1 instead of in 657.

677.5 Pay for camera pole foundations under the new ancillary structure foundations section 531.

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# [700 Quality Management Program](#)

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701.3.1 Specify consolidation by rodding for SAM air void testing. ASP 6 Dec 2019 let.

## **710 General Concrete QMP**

### **715 QMP Concrete Pavement and Structures**

715.2.3.1 Require data from 5 trial batches for mix design acceptance.

715.3.1.2.2 Allow lane-feet sublots up to 25% longer than standard.

715.3.1.2.3 Allow CY sublots up to 25% larger than the standard.

### **716 QMP Ancillary Concrete**

716.2.1 Allow startup acceptance testing for small quantities of ancillary concrete.

716.2.1 Specify compressive strength for ancillary concrete.

### **730 QMP Base Aggregate**

730.1.2.3 Require electronic submittals for gradation, fracture, liquid limit, and plasticity.

730.3.1 Increase time allowed for stockpile tests. ASP 6 Dec 2019 let.

730.3.2 Allow lots up to 25% larger than the standard.

730.3.2 Increase time allowed for reporting recycled asphalt test results. ASP 6 Dec 2019 let.

730.4 Add test requirements for small quantity contracts <= 500 tons. ASP 6 Dec 2019 let.

### **740 QMP Ride**

740.3.2 Decouple ride segments from concrete sublots. ASP 6 Dec 2019 let.

## **Bid Items**

### **100 Bid Items**

#### **200 Bid Items**

204.0100 Rename Removing Pavement to Removing Concrete Pavement to better reflect its use.

#### **300 Bid Items**

#### **400 Bid Items**

460.5226 Add various new bid items for No. 5 and No. 6 mixes.

460.8824 Add new SMA bid items for E mixes.

#### **500 Bid Items**

502.3101 Rename the Expansion Device bid item to remove the structure ID supplemental description.

531 Add new bid items for ancillary structures foundations.

532 Add new bid items for ancillary structures.

#### **600 Bid Items**

603.8500 Add bid item for anchoring temporary barrier not on a bridge deck and rename existing item for bridge decks.

633.5350 Combine the crossover and median marker bid items into a new bid item, Markers Permanent Flexible.

634 Retire the bid items for 4X4 wood posts that do not pass MASH crash test.

637 Retire the sign supports bid items now covered under the new ancillary structure foundations section 531.

641 Retire the 641 bid items now covered under the new ancillary structures section 532.

646.7505 Rename the Ladder Pattern bid items to Block Style.

654.0115 Add bid items for type F and type 10-special concrete bases.

654 Retire the camera base bid items now the Foundation Camera Pole bid items under 531.

655.0142 Add bid item for Cable In Duct 4-2 AWG

657.0347 Add bid items for type 9-special and type 10-special poles.

657.0381 Add bid item for type F poles.

657.0536 Add bid items for 35-foot-special, 40-foot-special, and 45-foot-special monotube arms.

657.0820 Add bid items for 15-ft steel luminaire arms used on type 10 and type 13 poles.

657.6005 Move the bid item for anchor assemblies for poles on structures to 531.

660.0500 Retire the high mast foundation and tower bid items and add the lowering assemblies bid item.

#### **700 Bid Items**

## Appendix

Conversion Table U.S. Standard Measure to SI

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Bid Item Unit Abbreviations