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# COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF TRANSPORTATION

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Amendments to the 2025 Edition of the Standard  
Specifications for Highways and Bridges



## **AMENDMENTS TO THE 2025 EDITION**

### **Notes**

For reference only, the following changes have been approved by the Department and incorporated into the 2026 edition of the *Standard Specifications for Highways and Bridges*.

This document is inclusive of the updates that were published as the *Supplemental Specifications*, dated September 30, 2025, and other standard specifications adopted through the last quarter of 2025.

To improve document accessibility and navigability, some subsection titles have been provided with additional numbering schema that had not existed in editions prior to 2025. These changes have not been specifically identified in this document.

This document is a companion to the *Standard Specifications for Highways and Bridges* but is not a part of the *Standard Specifications for Highways and Bridges* and is not a contract document. Any omissions contained herein are unintentional. In any case(s) where there are differences between the *Standard Specifications* and the changes listed below, the *Standard Specifications* shall prevail.

## **SECTION 2.00: PROPOSAL REQUIREMENTS AND CONDITIONS**

### **Subsection 2.09: Rejection of Proposals**

*The first item in the bulleted list has been deleted and replaced with the following:*

- award of the contract would result in the Bidder exceeding the Aggregate Bonding Capacity or the Single Bonding Capacity established by its Surety Company, or the Bidder's Proposal exceeds its Single Contract Limit, or the Bidder was not prequalified in the specified class of work on or before the time of bid opening; or

## **SECTION 7.00: LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC**

### **Subsection 7.05: Insurance Requirements**

#### **7.05.C: General**

*The following item has been added to the numbered list:*

7. The Massachusetts Department of Transportation and applicable railroads shall be named as additional insureds.

### **Subsection 7.22: Labor, Lodging, Board, Maximum Hours of Employment, Minimum Wage Rates, Payment of Wages, Keeping of Payroll Records**

*This subsection has been renamed and replaced in its entirety.*

## **SECTION 9.00: MEASUREMENT AND PAYMENT**

### **Subsection 9.03: Payment for Extra Work**

#### **9.03.B: Payment for work or materials for which no price is contained in the Contract**

*The language of item 2 from the numbered list has been changed from "Plus 13 percent of direct labor, for actual costs of Federal Insurance Contributions Act (FICA)," to "Plus 13 percent of direct labor, for estimated costs of Federal Insurance Contributions Act (FICA)."*

*The language of item 3 from the numbered list has been changed from "Plus the actual cost of Workmen's Compensation and Liability Insurance," to "Plus the estimated cost of Workmen's Compensation and Liability Insurance."*

## **SECTION 100: EARTHWORK, GRADING, DEMOLITION, RODENT CONTROL AND BORINGS**

### **SUBSECTION 119: CONTROL OF RODENTS**

#### **COMPENSATION**

#### **119.80: Method of Measurement**

*This construction specification has been added.*

### **SUBSECTION 140: EXCAVATION FOR STRUCTURES**

#### **COMPENSATION**

#### **140.80: Method of Measurement**

*The following paragraph has been deleted:*

“The unit of measurement for drainage structure abandoned or removed will be each structure abandoned for each structure removed, complete.”

*The following paragraph has been added:*

“Drainage structure abandoned and drainage structure removed will be measured each by the respective structure abandoned or removed.”

## **SECTION 200: DRAINAGE**

### **SUBSECTION 201: BASINS, MANHOLES AND INLETS**

#### **COMPENSATION**

#### **201.80: Method of Measurement**

*This construction specification has been replaced in its entirety.*

## **SECTION 300: WATER SYSTEMS**

### **SUBSECTION 301: WATER SYSTEMS**

#### **CONSTRUCTION METHODS**

#### **301.60: General**

#### **301.60.G: Laying Pipe**

*The following paragraph has been deleted:*

“Cast iron pipe sections shall be laid with the bell on the upgrade end. Before laying the pipe, the outside of the spigot and the inside of the bell shall be wire brushed and wiped clean and dry. When

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placing a length of pipe, the yarning material for the joint shall be held around the bottom of spigot so that it will enter the bell as the pipe is shoved into position.”

*The following paragraph has been added:*

“Pipe sections shall be laid with the bell on the upgrade end. Before laying the pipe, the outside of the spigot and the inside of the bell shall be wire brushed and wiped clean and dry.”

**COMPENSATION**

**301.80: Method of Measurement**

*The term “cast iron” has been removed from the last sentence of the first paragraph.*

*The following paragraph has been deleted:*

“Fittings, consisting of bends, tees, caps, wyes, sleeves, reducers, increasers, blow-off fittings and other specials, applies only when new materials are necessary and which are not specifically provided for under other items in the Proposal. Fittings other than new will not be paid separately but only under the applicable foot items. When new fittings are measured for payment under the pound price for Item 308, the length occupied by the fittings will not be measured for payment under the foot items.”

*The following paragraph has been added:*

“Fittings, consisting of bends, tees, caps, wyes, sleeves, reducers, increasers, blow-off fittings and other special fittings, apply only when new materials are necessary and which are not specifically provided for under other items in the Proposal. Fittings other than new will not be paid separately but only under the applicable pipe items. When new fittings are measured separately for payment, the length of pipe occupied by the fittings will not be measured for payment.”

**SECTION 400: SUB-BASE, BASE COURSES, SHOULDERS,  
PAVEMENTS AND BERMS**

**SUBSECTION 466: STRESS ABSORBING MEMBRANE & STRESS ABSORBING  
MEMBRANE INTERLAYER**

**COMPENSATION**

*The numbering schema for these construction specifications has been changed from 466.90, 466.91, and 466.92 to 466.80, 466.81, and 466.82, respectively.*

**SUBSECTION 476: CEMENT CONCRETE PAVEMENT**

**COMPENSATION**

*The numbering schema for these construction specifications has been changed from 476.70, 476.71, and 476.72 to 476.80, 476.81, and 476.82, respectively.*

## **SUBSECTION 486: ULTRATHIN BONDED OVERLAY**

### **COMPENSATION**

*The numbering schema for these construction specifications has been changed from 486.90, 486.91, and 486.92 to 486.80, 486.81, and 486.82, respectively.*

## **SECTION 600: HIGHWAY GUARD, FENCES AND WALLS**

### **SUBSECTION 644: CHAIN LINK FENCES AND GATES**

#### **COMPENSATION**

#### **644.80: Method of Measurement**

*The following paragraph has been deleted:*

“Gates with gate posts will be measured between centers of the gate posts.”

*The following paragraphs have been added:*

“Gates with gate posts will be measured by the foot between centers of the gate posts.

“End posts and corner or intermediate brace posts will be measured by the unit each.”

### **SUBSECTION 660: METAL PIPE RAIL**

#### **MATERIALS**

#### **660.40: General**

*The materials reference table has been replaced in its entirety.*

*The following paragraph has been added:*

“All material shall be inspected at the time of delivery for damage. All material shall be delivered with the required material documentation including certificates of compliance and mill test reports. Storage of material shall conform to 960.66: Receiving, Handling and Storage on Site.”

#### **CONSTRUCTION METHODS**

#### **660.60: Fabrication and Erection**

*This construction specification has been replaced in its entirety.*

## **SECTION 700: INCIDENTAL WORK**

### **SUBSECTION 710: BOUNDS**

#### **COMPENSATION**

#### **710.80: Method of Measurement**

*This construction specification has been added.*

**710.81: Basis of Payment**

*This construction specification has been replaced in its entirety.*

**SUBSECTION 722: CONSTRUCTION SCHEDULING**

*This subsection has been added.*

**SUBSECTION 740: ENGINEER’S FIELD OFFICE**

*This subsection has been renamed.*

**COMPENSATION**

**740.80: Method of Measurement**

*This construction specification has been added.*

**SECTION 800: TRAFFIC CONTROL DEVICES**

**SUBSECTION 815: TRAFFIC CONTROL SIGNALS**

**DESCRIPTION**

**815.20: General**

*The following sentence has been added to the 14<sup>th</sup> paragraph:*

“Shop drawings shall be in accordance with Subsection 5.02: Plans and Detail Drawings.”

**MATERIALS**

**815.40: General**

*The following paragraph has been added:*

“Fabricated material arriving on site shall have the Verification Inspectors stamp and the required documentation. No material shall be accepted on site without the Verification Inspector’s stamp on the material and the required documentation. Material shipped without such stamp shall be rejected. The Contractor shall confirm proper alignment and fitment of the material prior to installation. Any damage from shipping and handling shall be immediately brought to the Engineer’s attention and repair procedures shall be submitted by the fabricator through the Contractor. Storage of material shall conform to 960.66: Receiving, Handling, and Storage on Site.”

**815.43: Mast Arms, Strain Poles, and Span Wire Assemblies**

*This construction specification has been replaced in its entirety.*

**CONSTRUCTION METHODS**

**815.61: Coatings**

*This construction specification has been added.*

**815.62: Signals**

**815.62.A: General**

*The following paragraphs have been added:*

“Acceptance will be conducted by the Department. If manufacturing imperfections cause the misalignment of bolted spliced connections to exceed design tolerances of  $\pm 3/16$  in., the Engineer shall be notified prior to acceptance. If accepted the field misalignment shall be noted on the record shop drawing for that structure with the date and initialed by the Design engineer.

“Contractors will be responsible for responding to deficiencies identified during initial construction inspections. Evidence of repairs specifically requested by the Department must be provided for final acceptance and payment.”

**SUBSECTION 820: HIGHWAY LIGHTING**

**DESCRIPTION**

**820.20: General**

*The 9<sup>th</sup> and 10<sup>th</sup> paragraphs were replaced with:*

“Within 30 days following execution of the Contract, the Contractor shall submit to the Engineer for approval, a list of equipment which they propose to install. The submission shall include all equipment identified on the plans or in the specifications by the name of the manufacturer, model or identifying number of each item. The list shall be supplemented by catalog cuts and such other data as may be required, including wiring diagrams of any special equipment and of any proposed minor deviation from the plans. All of the above data shall be submitted in accordance with Subsection 5.02: Plans and Detail Drawings. The Department shall not be liable for any material purchased, labor performed, or delay to the work prior to such review and approval.

“The warranties that the Contractor receives from each manufacturer of equipment and materials pertinent to the complete and satisfactory operation of highway lighting installation shall be turned over to the Department at the time of acceptance of the project, at no cost to the Department. Each warranty so furnished shall indicate its expiration date and be in effect for a minimum period of one year from the date the highway lighting was placed in continuous operation. To be accepted for continuous operations the structure must pass initial ancillary structure inspection in accordance with 820.61: Tests Required Before Acceptance.”

**820.21: Definitions**

**820.21.A: Highway Lighting Poles**

*Aluminum has been deleted as an option.*

**820.21.B: High Mast Tower**

*“Galvanized steel” has replaced “steel.”*

## **MATERIALS**

### **820.40: General**

*The 4<sup>th</sup> paragraph was deleted and replaced with:*

“Highway lighting structures shall conform to M8.18.2: Highway Lighting Poles and Arms. Fabricated material shall be in accordance with M8.06: Fabrication. The Fabricator shall be listed on the MassDOT Approved fabricators list under the Signs, Luminaires and Signal Supports category. All requirements for design and materials shall be in conformance with M8.18.2: Highway Lighting Poles and Arms.

“Fabricated material arriving on site shall have the Verification Inspectors stamp of approval and the required documentation. No material shall be accepted on site without the Verification Inspector’s stamp on the material and the required documentation. Material shipped without such stamp shall be rejected. The contractor shall confirm proper alignment and fitment of the material prior to installation. Any damage from shipping and handling shall be immediately brought to the Engineer’s attention and repair procedure shall be submitted from the fabricator through the contractor. Storage of material shall conform to 960.66: Receiving, Handling and Storage on Site.”

### **820.41: Design and Equipment Requirements**

*This construction specification has been replaced in its entirety.*

## **CONSTRUCTION METHODS**

### **820.60: General**

*The fourth paragraph has been replaced by the following paragraphs:*

“Anchor rods shall be lubricated, and nuts shall be tightened using the turn-of-the-nut-method in accordance with 840.64: Overhead Sign Support Structures.

“The length of exposed thread below the bottom of the leveling nuts shall not exceed one bolt diameter in height above the concrete foundation.”

*The following definition of “plumb” has been added to the sixth paragraph:*

“...defined as less than 1-¼ in. over 4 ft. after accounting for taper...”

### **820.61: Tests Required Before Acceptance**

#### **820.61.B: Structural Inspection**

*This construction specification has been added.*

## **SUBSECTION 828: TRAFFIC SIGNS**

### **DESCRIPTION**

#### **828.20: General**

*The third paragraph has been replaced with the following:*

“Sign foundations and supports shall be fabricated and erected in conformity with Subsection 840: Sign Supports.”

## **SUBSECTION 840: SIGN SUPPORTS**

### **DESCRIPTION**

#### **840.20: General**

*This construction specification has been replaced in its entirety.*

#### **840.21: Contractor Responsibilities**

*This construction specification has been added.*

#### **840.22: Staking and Field Measurements**

*This construction specification has been added.*

#### **840.23: Ground Mounted Sign Design**

*This construction specification has been added.*

#### **840.24: Overhead Sign Support Structure Design**

*This construction specification has been added.*

#### **840.25: Overhead Sign Support Structure Configuration**

*This construction specification has been added.*

### **MATERIALS**

#### **840.30: General**

*This construction specification has been replaced in its entirety.*

### **FABRICATION**

#### **840.40: General**

*This construction specification has been deleted.*

### **CONSTRUCTION METHODS**

#### **840.60: General**

*This construction specification has been replaced in its entirety.*

**840.61: Pre-Installation Inspection**

*This construction specification has been added.*

**840.62: Foundations**

*This construction specification has been added.*

**840.63: Ground Mounted Sign Support Structures**

*This construction specification has been added.*

**840.64: Overhead Sign Support Structures**

*This construction specification has been added.*

**840.65: Ground Mounted Signs Without Concrete Foundations**

*This construction specification has been added.*

**DEPARTMENT ACCEPTANCE**

**840.70: General**

*This construction specification has been replaced in its entirety.*

**SUBSECTION 850: TRAFFIC CONTROL DEVICES FOR CONSTRUCTION AND  
MAINTENANCE OPERATIONS**

**DESCRIPTION**

**850.29: Temporary Barrier and Temporary Barrier Removed and Reset**

*This construction specification has been deleted.*

**MATERIALS**

**850.49: Temporary Barrier**

*This construction specification has been deleted.*

**CONSTRUCTION METHODS**

**850.69: Temporary Barrier and Temporary Barrier Removed and Reset**

*This construction specification has been deleted.*

**COMPENSATION**

**850.80: Method of Measurement**

*Paragraphs related to Temporary Barrier and Temporary Barrier Removed and Reset have been deleted.*

**850.81: Basis of Payment**

*Paragraphs related to Temporary Barrier and Temporary Barrier Removed and Reset have been deleted.*

**850.82: Payment Items**

*Items related to Temporary Barrier and Temporary Barrier Removed and Reset have been deleted.*

**SUBSECTION 853: TEMPORARY BARRIER**

*This subsection has been added.*

**SECTION 900: STRUCTURES**

**SUBSECTION 901: CEMENT CONCRETE**

**DEPARTMENT ACCEPTANCE**

**901.64: Acceptance Sampling, Testing, and Inspection**

**901.64.B: Acceptance Testing**

*The first paragraph has been replaced in its entirety.*

**SUBSECTION 902: ULTRA-HIGH PERFORMANCE CONCRETE**

**CONSTRUCTION METHODS**

**902.32: Mockup**

*The width requirements for Link Slabs and Joint Headers in Table 902.32-1 have been modified.*

**902.33: Surface Preparation**

*Specification number corrected (previously shown as 902.32).*

**902.34: Temperature Control**

*Specification number corrected (previously shown as 902.33).*

**902.35: Protection from Adverse Conditions**

*Specification number corrected (previously shown as 902.34).*

**902.36: Formwork**

*Specification number corrected (previously shown as 902.35).*

**902.37: Mixing, Delivery, Handling, and Placing of Ultra-High Performance Concrete**

*Specification number corrected (previously shown as 902.36).*

**902.38: Finishing**

*Specification number corrected (previously shown as 902.37).*

**902.39: Curing**

*Specification number corrected (previously shown as 902.38).*

**SUBSECTION 940: DRIVEN PILES**

**DESCRIPTION**

**940.20: General**

*In the first paragraph, the word “close” has been removed from “close conformity.”*

*The following paragraph has been added:*

“Material arriving on site shall be inspected for damage. All material shall have the required material documentation including certificates of compliance and mill test reports at the time of delivery. No material shall be accepted without documentation.”

**MATERIALS**

**940.40: General**

**940.40.A: Length of Steel Pipe and H Piles**

*The second bullet in the list has been modified and the third bullet has been deleted.*

**940.40.D: Pile Shoes and Tips**

*The third paragraph has been replaced with the following:*

“Steel pile shoes shall conform to subsection M8.03.2 Steel Castings.”

**PILE INSTALLATION**

**940.65: Procedure for Driving**

**940.65.A: General**

*The following paragraph has been added:*

“Any holes cut into a pile that are to remain in place shall be ground smooth and free of nicks and gouges. Holes are only permitted in the web.”

**940.66: Splices**

**940.66.C: Steel Pipe Piles and Steel H Piles**

*This construction specification has been replaced in its entirety.*

## COMPENSATION

### 940.81: Basis of Payment

*In the 11<sup>th</sup> paragraph, “and testing” has been added to “All costs for splicing and testing piles shall be included...”*

## SUBSECTION 960: STRUCTURAL STEEL AND MISCELLANEOUS METAL PRODUCTS

*This subsection has been replaced in its entirety.*

## SUBSECTION 972: STRIP SEAL BRIDGE JOINT SYSTEM

### MATERIALS

#### 972.40: General

*Steel Extrusions section reference has been corrected to M8.05.8 from M8.05.7.*

*Fabrication Requirements has been added to the table.*

#### 972.60: General

*This construction specification has been replaced in its entirety.*

#### 972.61: Preparation of Surfaces, Handling, and Storage

*The second paragraph has been replaced in its entirety.*

#### 972.62: Pre-Installation Inspection

*The following sentences have been added to the first paragraph:*

“Material arriving on site shall have the Verification Inspectors stamp and the required documentation. No material shall be accepted on site without the Verification Inspector’s stamp on the material and the required documentation. Material shipped without such stamp shall be rejected.”

#### 972.64: Field Splicing of Steel Extrusions

*This construction specification has been replaced in its entirety.*

## SUBSECTION 975: METAL BRIDGE RAILINGS, PROTECTIVE SCREENS AND SNOW FENCES

### MATERIALS

#### 975.40: General

*The material requirements table has been replaced in its entirety.*

## CONSTRUCTION METHODS

### 975.61: Fabrication

*This construction specification has been replaced in its entirety.*

### 975.62: Pre-Installation Inspection

*This construction specification has been added.*

### 975.63: Setting Railing and Protective Screens

*Specification renumbered from 975.62.*

### 975.64: Galvanizing

*Specification renumbered from 975.63 and replaced in its entirety.*

### 975.64: Painting

*This construction specification has been deleted.*

### 975.65: Touch-up and Repairs

*This construction specification has been replaced in its entirety.*

### 975.66: Inspection

*This construction specification has been deleted.*

## COMPENSATION

### 975.82: Payment Items

*Item 975.2 has been deleted.*

## SUBSECTION 983: REVETMENT

### DESCRIPTION

#### 983.21: Classification

##### 983.21.D: Slope Paving Under Bridges

*This construction specification has been renamed and replaced in its entirety.*

### MATERIALS

#### 983.40: General

*References to sections M2.06.1 and M4.05.4 have been deleted and M4.06.7 have been added to the material requirements table.*

## **CONSTRUCTION METHODS**

### **983.64: Slope Paving Under Bridges**

*This construction specification has been renamed and replaced in its entirety.*

## **COMPENSATION**

### **983.82: Payment Items**

*Item 987. has been renamed “Slope Paving Under Bridge.”*

*The following items have been deleted: 987.1, 987.12, 987.2, and 987.3.*

## **SUBSECTION 995: BRIDGE STRUCTURE**

## **COMPENSATION**

### **995.80: Method of Measurement**

*This construction specification has been added.*

### **995.81: Basis of Payment**

*This construction specification has been replaced in its entirety.*

## **SECTION M2: AGGREGATES AND RELATED MATERIALS**

### **M2.01.0: Crushed Stone**

*The fourth paragraph has been changed to the following:*

“The crushed stone shall have a maximum 45% wear as determined by the Los Angeles Abrasion Test (AASHTO T 96).

*The table showing allowable wear by material type has been deleted.*

### **M2.06.1: Slope Paving Under Bridge**

*This materials specification has been renamed.*

## **SECTION M3: ASPHALTIC MATERIALS**

### **M3.06.1: General**

*The following paragraph has been added:*

“Approval of HMA mix designs shall be defined as the Department’s prequalification and verification of the mix design to ensure conformance with the materials requirements, design targets, and testing limits specified herein. The Contractor shall be responsible for selecting and placing approved HMA mix designs that meet the desired HMA properties, per the contract’s specified application.”

**M3.06.4: Hot Mix Asphalt Mixture Design**

*The Sieve Sizes in Table M3.96.4-8 have been modified.*

**SECTION M5: PIPE, CULVERT SECTIONS AND CONDUIT**

**M5.01.0: Joint Materials for Pipe**

*This materials specification has been replaced in its entirety.*

**SECTION M7: PAINTS, PROTECTIVE COATINGS AND PAVEMENT  
MARKINGS**

**M7.01.04: Fast Drying White and Yellow Waterborne Traffic Paint**

*This materials specification has been replaced in its entirety.*

**M7.04: Miscellaneous Coatings**

*The following language has been added to the materials specification for M7.04.07:*

“Material shall meet ASTM A780, Annex A2, containing a minimum of 92% zinc by weight in the dry film. Material conforming to this specification shall be compatible with additional coats of an approved coating system to match existing coating system.”

*The following language has been added to the materials specification for M7.04.11:*

“Material shall meet ASTM A780, Annex A2, containing a minimum of 92% zinc by weight in the dry film. Material conforming to this specification shall be acceptable as the final condition, without additional coatings.”

**M7.10.0: Galvanized Coatings**

*This materials specification has been replaced in its entirety.*

**M7.15.0: Metallized Coatings**

*This materials specification has been replaced in its entirety.*

**SECTION M8: METALS AND RELATED MATERIALS**

**M8.00.0: General**

*The following paragraph has been added:*

“At the discretion of the Engineer, MassDOT will assign a Verification Inspector either employed by MassDOT or a Consultant inspector to act on behalf of the Department.”

*The last paragraph has been replaced with the following:*

“Samples for testing shall be taken in accordance with the applicable ASTM and/or AASHTO specification for the material. Samples shall be taken in the presence of the Verification Inspector when required. Field samples shall be taken by the Resident Engineer. Testing will be done in accordance with latest standard procedures of ASTM and/or AASHTO.”

**M8.01.0: Reinforcing Bars**

*The following sentence has been added to the first paragraph:*

“Reinforcing bars shall be from an approved supplier and manufacturer listed on the QCML.”

*The following paragraph has been added:*

“Coated reinforcement steel shall be secured using epoxy or plastic-coated tie wire.”

**M8.01.2: Welded Steel Wire Fabric**

*The following sentence has been added to the first paragraph:*

“Welded Steel Wire Fabric shall be from an approved supplier and manufacturer listed on the QCML.”

**M8.01.5: Anchor Bolts, Nuts, and Washers**

*This materials specification has been replaced in its entirety.*

**M8.01.7: Epoxy Coated Reinforcing Bars**

*This materials specification has been replaced in its entirety.*

**M8.04.1: Stud Shear Connectors**

*This materials specification has been replaced in its entirety.*

**M8.04.3: High Strength Bolts**

*This materials specification has been replaced in its entirety.*

**M8.05.0: Bridge Related Structural Steel**

*This materials specification has been renamed and replaced in its entirety.*

**M8.05.1: Steel Piles**

*This materials specification has been replaced in its entirety.*

**M8.05.4: Steel Sheeting**

*This materials specification has been replaced in its entirety.*

**M8.05.5: Steel Pipe Piles**

*This materials specification has been replaced in its entirety.*

**M8.05.6: Steel Casing for Drilled Shaft Foundations**

*This materials specification has been renamed and replaced in its entirety.*

**M8.05.7: Micropiles**

*This materials specification has been added.*

**M8.05.8: Steel Extrusions**

*This materials specification has been renumbered from M8.05.7 and replaced in its entirety.*

**M8.05.9: Bridge Railing, Steel**

*This materials specification has been added.*

**M8.06.0: Fabrication Requirements**

*This materials specification has been added.*

**M8.06.1: Fabrication Shop Approval**

*This materials specification has been added.*

**M8.06.2: Fabrication Shop Documents**

*This materials specification has been added.*

**M8.06.3: Fabrication Shop Drawings**

*This materials specification has been added.*

**M8.06.4: Fabrication Shop Schedule**

*This materials specification has been added.*

**M8.06.5: Fabrication Verification Inspection**

*This materials specification has been added.*

**M8.06.6: Fabrication Quality Control Inspection**

*This materials specification has been added.*

**M8.06.7: Fabrication Required Material Documentation**

*This materials specification has been added.*

**M8.06.8: Fabrication Non-conformances**

*This materials specification has been added.*

**M8.06.9: Fabrication Process**

*This materials specification has been added.*

**M8.10.0: Steel Pipe Rail or Fence**

*This materials specification has been replaced in its entirety.*

**M8.13.0: Aluminum Handrail, Protective Screen, and Snow Fence**

*This materials specification has been added.*

**M8.13.3: Aluminum Handrail, Protective Screen Type I and Type II, and Snow Fence**

*This materials specification has been deleted.*

**M8.18.0: Traffic Signal, Highway Lighting, and Sign Supports**

*This materials specification has been replaced in its entirety.*

**M8.18.1: Traffic Signal Supports**

*Charpy V Notch impact requirements has been changed from 15 ft-lb to 20 ft-lb.*

*AASHTO M 270 Grade 36 has been removed from the sixth paragraph.*

*The following paragraph has been deleted:*

“Anchor bolt covers shall meet the requirements of ASTM A181/A181M or ASTM A126, Class A or AASHTO M 103M/M 103, Grade 450-240 (Grade 65-35) or ASTM A36/A36M.”

**M8.18.2: Highway Lighting Poles and Arms**

**M8.18.2.A: Aluminum**

*This materials specification has been deleted.*

**M8.18.2.A: Steel**

*This materials specification has been renumbered from M8.18.2.B and replaced in its entirety.*

**M8.18.2.B: Anchor Bolts**

*This materials specification has been renumbered from M8.18.2.C and replaced in its entirety.*

**M8.18.3: Sign Supports**

*Charpy V Notch impact requirements has been changed from 15 ft-lb to 20 ft-lb.*

*ASTM A500 Grade C steel has been added to the second paragraph.*

*The 5<sup>th</sup> paragraph has been replaced in its entirety.*

*The following paragraph has been added:*

“No transverse welds will be permitted in the tubular members, except at the base plate and flange plate connections or where reinforcing sleeves are required. Base plate and flange plate connections shall be socket-type connections with two continuous welds, one on the inside of the plate at the end of the tubular member and the other on the outside surface of the plate. Alternatively, base plate and flange plate connections may be full-penetration groove-welded tube-to-transverse plate connections with backing ring attached to the plate with a full penetration weld, or with a continuous fillet-weld around the interior face of backing ring, combined with the backing ring welded to the interior of the tube with a continuous fillet-weld at the top face of the backing ring. All welds shall develop the full strength of the section at the point of connection.”

**M8.18.3.A: Sign Posts – P5**

**M8.18.3.A.1: Square Tube Posts**

The second paragraph has been replaced in its entirety.

**SECTION M9: MISCELLANEOUS MATERIALS**

**M9.09.1: Primer**

*The following sentence has been added:*

“Only products listed on the QCML will be accepted for use.”

**M9.09.2: Damp-Proofing**

*The following sentence has been added:*

“Only products listed on the QCML will be accepted for use.”

**M9.12.0: Reflectors for Barriers**

*This materials specification has been deleted.*

**M9.14.5: Elastomeric Bearing Pads**

**M9.14.5.G: Testing Requirements**

**M9.14.5.G.5: Testing of Laminated Bearings**

**M9.14.5.G.5.c: Testing Requirements**

*Table M9.17.0-1: Physical Properties of Asphaltic Binder for Asphaltic Bridge Joint Systems was corrected to Table M9.14.5-1: Test requirements for Elastomeric Bearings.*

**M9.17.0: Asphaltic Binder for Asphaltic Bridge Joint System**

*In Table M9.17.0-1, the column for “Test Method” has been replaced in its entirety.*

**SECTION M10: TRAFFIC CONTROL DEVICES**

**M10.16.0: Temporary Barrier**

*This materials specification has been added.*

**M10.16.1: Limited Deflection Temporary Barrier**

*This materials specification has been added.*

**M10.16.2: Delineators for Temporary Barrier**

*This materials specification has been added.*