



Connecticut DOT

Number:

2015-3-EC

Bureau of Engineering and Construction

Date:

July 16, 2015

## ENGINEERING & CONSTRUCTION DIRECTIVE

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Chief Engineer

### **Standard Specifications Committee and Specifications**

This Directive provides notification that the Standard Specifications Committee has been reconstituted and that Specification Working Groups are being established. It also documents processes and responsibilities for the development and maintenance of Standard Specifications and Supplemental Specifications. Additionally, it provides guidance in several areas related to specifications and contract documents.

Responsibility for recommending updates and publishing the Department's Standard Specifications and Supplemental Specifications is assigned to the Standard Specifications Committee with support from a variety of organizational units and the newly-established Specification Working Groups.

#### **Standard Specifications Committee**

This is a Standing Committee covered by an Administrative Memorandum. Members are appointed annually by the Commissioner or by the Committee Oversight Designee during the year. This Directive announces a change in membership, as outlined below:

##### **Voting Members**

- Bureau Chief (Engineering and Construction) – Oversight Designee
- District Engineer or Assistant District Engineer (Construction) - Chairperson
- Transportation Division Chief (Construction) (1)
- Transportation Division Chief (Traffic Engineering) (1)
- Transportation Division Chief (Highway Design) (1)
- Transportation Division Chief (Facilities & Transit) (1)
- Transportation Division Chief (Bridges) (1)
- Transportation Principal Engineer (Materials Testing)
- Transportation Maintenance Manager (2)
- Transportation Assistant Planning Director (Environmental) (3)
- Assistant District Engineers (Construction) (4)

**Non-Voting Members**

- Transportation Engineer (Construction) – Secretary (5)
- Assistant Attorney General (6)
- Federal Highway Administration representative (6)
- President, Connecticut Construction Industries Association, Inc.
- Member, Connecticut Construction Industries Association, Inc. (6)

Numerals within parenthesis refer to the notes below.

- 1 May designate staff to serve as member; designee will be a Supervising Engineer level or higher, unless approved by the Committee Chairperson
- 2 May designate staff to serve as member approved by the Committee Chairperson
- 3 May designate staff to serve as member; designee will be a Supervising Planner level or higher, unless approved by the Committee Chairperson
- 4 Membership will rotate among the non-Chairperson Assistant District Engineers annually; for continuity, all Assistant District Engineer are encouraged to attend meetings
- 5 Designated by the Transportation Division Chief (Construction)
- 6 Member is designated by represented organization

The Standard Specifications Committee is responsible for recommending revisions to the Standard Specifications and Supplemental Specifications.

The Committee will meet regularly, normally on a bi-monthly basis. Regular meetings will be scheduled one year in advance. Meetings will be canceled by the Chairperson when not warranted by the agenda or for other cause. The Chairperson may also convene special meetings.

The Secretary will prepare Committee meeting agenda, subject to the approval of the Chairperson.

**Specification Working Groups**

Each section of the Standard Specifications is being assigned to a Specifications Working Group (SWG). Each SWG will be co-chaired by a transportation division chief (or a Policy and Planning manager in a few cases) and assistant district engineer and will also include a Maintenance representative. Other Department organizational units are represented selectively and additional members will be appointed at the discretion and mutual agreement of the co-chairs. Attachments A & B identify the initial SWG assignments.

SWGs will review proposed specification changes and recommend approval or disapproval to the Standard Specifications Committee. Additionally, SWGs are being assigned responsibility for identifying sections for which a Developmental Specification (“Owned Special Provision”) [See last section for definition.] is needed.

SWGs will meet as required to perform their duties.

### **Standard Specification Revision Process (Work Flow)**

The general process for revising Standard Specifications and Supplemental Specifications is outlined below:

- Recommended revisions may be submitted from organizations and personnel, which may or may not be affiliated with the Standard Specifications Committee. The submission should include a proposed specification conforming to the Department's *Specification Writing Style Guide* (publication/general availability pending), along with any supporting information (e.g., background, advantages, reference to other specifications and Department practice). Recommendations should be submitted to the Standard Specifications Committee Secretary.
- The Secretary will distribute proposed revisions to the appropriate Specifications Working Group (SWG) for review.
- After review by the SWG, the Standard Specifications Committee Secretary will place the proposed revision on the Standard Specifications Committee meeting agenda.
- The Standard Specifications Committee, with input from and participation by the cognizant SWG co-chairs, will evaluate the proposed revision.
- The Standard Specifications Committee will vote for or against recommending approval of the proposed revision. The Chairperson will only vote to break a tie.
- If a revision is voted down, the specification will be returned to the SWG with comments.
- Revisions recommended by the Standard Specification Committee will be forwarded to the Chief Engineer for approval.
- Upon approval by the Chief Engineer, the revised specification will be submitted to the Federal Highway Administration for approval.
- The Standard Specification Committee Secretary, on behalf of the Chairperson, will disseminate revisions to Department units with the recommended effective dates for incorporation in Final Design Plan submissions. Approved provisions requiring implementation prior to publication of the next edition of the Supplemental Specifications shall be incorporated in contracts as special provisions.

When an approved revision to the Standard Specifications or Supplemental Specifications is in conflict or inconsistent with a Department Standard Drawing or design policy (e.g., *Bridge Design Manual*, *Highway Design Manual*), the Standard Specification Committee Chairperson shall inform the Engineering division chief responsible for the Standard Drawing or design policy. Revisions to Standard Sheets and design policy or other accommodation shall be made in a manner and timing that avoids conflicts within the contract documents.

### **Other Guidance Related to Specifications and Contract Documents**

The following clarifies various elements of contract documents and their appropriate use in Department contracts.

- **Standard Specifications:** Specifications approved for general application and repetitive use, compiled and made available in book form. The current version of the Department's Standard Specification is *Form 816*. Standard Specifications are made applicable to contracts by reference, rather than inclusion within specific contracts.
- **Supplemental Specifications:** Additions and revisions to the Standard Specifications, published and issued in the form of a "Supplement". Supplemental Specifications are made applicable to contracts by reference, rather than inclusion within specific contracts.
- **Special Provisions:** Additions and revisions to the Standard Specifications and Supplemental Specifications that apply only to an individual or small group of contracts. Applicable Special Provisions are included directly within the contract documents for specific contracts.
- **Developmental Specifications** (also known as **Pilot Specifications** or **Owned Special Provisions**): Specifications developed to cover a new process, procedure, or material and likely to require subsequent refinement/revision prior to adoption for general use. Developmental Specifications will have an assigned "Owner". A Department [web page](#) identifies current Owned Special Provisions and provides guidance for their use. Developmental Specifications are included directly within the contract documents for specific contracts.
- **Notice to Contractors:** Written statement, located at the front of the bid package, notifying bidders of important background or highlighting a change in contracting practices, specifications or other non-typical requirement associated with the particular contract. The Notice should direct the contractor to the appropriate location in the contract to view the new/revised requirements or Special Provision. Notices to Contractors should not be used to direct work, specify methods of measurement, bases of payment, or materials.

Please be guided by this information.

Attachment A: Specification-Working Group Assignments, Listed by Specification Section  
Attachment B: Specification-Working Group Assignments, Listed by Working Group

Directive 2015-3-EC, Attachment A  
Specification-Working Group Assignments  
Listed by Specification Section

| SECTION            | SECTION NAME   | Working Group Representation |                        |          |            |
|--------------------|--|------------------------------|------------------------|----------|------------|
|                    |  | DIVISION                     | UNIT/SECTION           | DISTRICT | MAINT UNIT |
| <b>DIVISION I</b>  |  |                              |                        |          |            |
| 1.01               | Definition of Terms & Permissible Abbreviations                            | Facilities and Transit       | Contract Development   | 2        | Staff      |
| 1.02               | Proposal Requirements & Conditions   | Facilities and Transit       | Contract Development   | 2        | Staff      |
| 1.03               | Award & Execution of Contract  | Facilities and Transit       | Contract Development   | 2        | Staff      |
| 1.04               | Scope of Work  | Construction                 | Specifications         | 2        | Staff      |
| 1.05               | Control of the Work  | Construction                 | Specifications         | 2        | Staff      |
| 1.06               | Control of Materials   | Construction                 | Div Materials Testing  | 2        | Staff      |
| 1.07               | Legal Relations & Responsibilities   | Construction                 | Specifications         | 2        | Staff      |
| 1.08               | Prosecution and Progress   | Construction                 | Specifications         | 2        | Staff      |
| 1.09               | Measurement & Payment  | Construction                 | Specifications         | 2        | Staff      |
| 1.10               | Environmental Compliance   | Policy and Planning          | Environmental Planning | 2        | Staff      |
| 1.11               | Claims   | Construction                 | Specifications         | 2        | Staff      |
| 1.20               | General Clauses for Facilities Construction                                | Facilities & Transit         | Facilities Design      | 2        | Staff      |
| <b>DIVISION II</b> |  |                              |                        |          |            |
| 2.01               | Clearing & Grubbing  | Highway Design               | State Highway Design   | 4        | Highway    |
| 2.02               | Roadway Excavation, Formation of Embankment & Disposal of Surplus Material | Highway Design               | State Highway Design   | 1        | Highway    |
| 2.03               | Structure Excavation   | Bridge Design                | State Bridge Design    | 4        | Bridge     |
| 2.04               | Cofferdam and Dewatering   | Bridge Design                | State Bridge Design    | 2        | Bridge     |
| 2.05               | Trench Excavation  | Highway Design               | State Highway Design   | 1        | Highway    |
| 2.06               | Ditch Excavation   | Highway Design               | State Highway Design   | 1        | Highway    |
| 2.07               | Borrow   | Highway Design               | State Highway Design   | 1        | Highway    |
| 2.08               | Free-Draining Material   | Highway Design               | State Highway Design   | 1        | Highway    |
| 2.09               | Subgrade   | Highway Design               | State Highway Design   | 1        | Highway    |
| 2.10               | Water Pollution Control (Soil Erosion)                                     | Policy and Planning          | Environmental Planning | 1        | Highway    |
| 2.12               | Subbase  | Highway Design               | State Highway Design   | 1        | Highway    |
| 2.13               | Granular Fill  | Highway Design               | State Highway Design   | 1        | Highway    |
| 2.14               | Compacted Granular Fill  | Bridge Design                | State Bridge Design    | 1        | Bridge     |

Directive 2015-3-EC, Attachment A  
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| SECTION | SECTION NAME                                 | Working Group Representation |   |          |            |
|---------|--|------------------------------|---|----------|------------|
|         |  | DIVISION                     | UNIT/SECTION                                | DISTRICT | MAINT UNIT |
| 2.16    | Pervious Structure Backfill                  | Bridge Design                | State Bridge Design                         | 1        | Bridge     |
| 2.18    | Sedimentation Control Bales                  | Policy and Planning          | Environmental Planning                      | 1        | Highway    |
| 2.19    | Sedimentation Control System                 | Policy and Planning          | Environmental Planning                      | 1        | Highway    |
| 3.02    | Rolled Granular Base                         | Highway Design               | State Highway Design                        | 1        | Highway    |
| 3.03    | Concrete Base                                | Highway Design               | State Highway Design                        | 4        | Highway    |
| 3.04    | Processed Aggregate Base                     | Highway Design               | State Highway Design                        | 1        | Highway    |
| 3.05    | Processed Aggregate                          | Highway Design               | State Highway Design                        | 1        | Highway    |
| 4.01    | Concrete Pavement                            | Highway Design               | State Highway Design                        | 4        | Highway    |
| 4.03    | Cold Reclaimed Asphalt Pavement              | Highway Design               | Engineering Services                        | 1        | Highway    |
| 4.06    | Bituminous Concrete                          | Highway Design               | Engineering Services                        | 1        | Highway    |
| 4.14    | Bituminous Surface Treatment                 | Highway Design               | Engineering Services                        | 1        | Highway    |
| 4.15    | Pressure Relief Joint                        | Highway Design               | Engineering Services                        | 1        | Highway    |
| 5.01    | Structures - General Clauses                 | Bridge Design                | State Bridge Design                         | 4        | Bridge     |
| 5.03    | Removal of & Alterations to Existing Bridges | Bridge Design                | State Bridge Design                         | 4        | Bridge     |
| 5.04    | Railroad Protection                          | Construction                 | Specifications                              | 4        | Staff      |
| 5.06    | Retaining Walls, Endwalls & Steps            | Highway Design               | State Highway Design & Engineering Services | 4        | Highway    |
| 5.07    | Catch Basins, Manholes & Drop Inlets         | Highway Design               | State Highway Design                        | 1        | Highway    |
| 5.08    | Shear Connectors                             | Bridge Design                | State Bridge Design                         | 2        | Bridge     |
| 5.09    | Welded Studs                                 | Bridge Design                | State Bridge Design                         | 2        | Bridge     |
| 5.13    | Polyvinyl Chloride Plastic Pipe              | Bridge Design                | State Bridge Design                         | 4        | Bridge     |
| 5.14    | Prestressed Concrete Members                 | Bridge Design                | State Bridge Design                         | 4        | Bridge     |
| 5.21    | Elastomeric Bearing Pads                     | Bridge Design                | State Bridge Design                         | 4        | Bridge     |
| 5.22    | Elastomeric Compression Seal                 | Bridge Design                | State Bridge Design                         | 4        | Bridge     |
| 6.01    | Concrete for Structures                      | Bridge Design                | State Bridge Design                         | 4        | Bridge     |
| 6.02    | Reinforcing Steel                            | Bridge Design                | State Bridge Design                         | 2        | Bridge     |
| 6.03    | Structural Steel                             | Bridge Design                | State Bridge Design                         | 2        | Bridge     |
| 6.05    | Masonry Facing                               | Bridge Design                | State Bridge Design                         | 4        | Bridge     |
| 6.06    | Cement Rubble Masonry                        | Highway Design               | State Highway Design                        | 4        | Highway    |

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| SECTION | SECTION NAME                                | Working Group Representation |                      |          |            |
|---------|---|------------------------------|----------------------|----------|------------|
|         |   | DIVISION                     | UNIT/SECTION         | DISTRICT | MAINT UNIT |
| 6.07    | Dry Rubble Masonry                          | Highway Design               | State Highway Design | 4        | Highway    |
| 6.09    | Repointed Masonry                           | Bridge Design                | State Bridge Design  | 4        | Bridge     |
| 6.11    | Shotcrete                                   | Bridge Design                | State Bridge Design  | 4        | Bridge     |
| 6.12    | Concrete Cylinder Curing Box                | Construction                 | Specifications       | 4        | Staff      |
| 6.51    | Culverts                                    | Highway Design               | State Highway Design | 1        | Highway    |
| 6.52    | Culvert Ends                                | Highway Design               | State Highway Design | 1        | Highway    |
| 6.53    | Clean Existing Drainage System              | Highway Design               | State Highway Design | 1        | Highway    |
| 7.01    | Drilled Shafts                              | Highway Design               | Engineering Services | 2        | Highway    |
| 7.02    | Piles                                       | Highway Design               | Engineering Services | 2        | Highway    |
| 7.03    | Riprap                                      | Highway Design               | State Highway Design | 1        | Highway    |
| 7.04    | Gabions                                     | Highway Design               | State Highway Design | 1        | Highway    |
| 7.05    | Slope Paving                                | Bridge Design                | State Bridge Design  | 4        | Bridge     |
| 7.06    | Micropiles                                  | Highway Design               | Engineering Services | 2        | Bridge     |
| 7.07    | Membrane Waterproofing (Woven Glass Fabric) | Bridge Design                | State Bridge Design  | 4        | Bridge     |
| 7.08    | Damp-proofing                               | Bridge Design                | State Bridge Design  | 4        | Bridge     |
| 7.13    | Permanent Steel Sheet Piling                | Bridge Design                | State Bridge Design  | 2        | Bridge     |
| 7.14    | Temporary Sheet Piling                      | Bridge Design                | State Bridge Design  | 2        | Bridge     |
| 7.15    | Sheet Piling Material Left in Place         | Bridge Design                | State Bridge Design  | 2        | Bridge     |
| 7.25    | Bagged Stone                                | Bridge Design                | State Bridge Design  | 1        | Bridge     |
| 7.28    | Crushed Stone for Slope Protection          | Highway Design               | Engineering Services | 1        | Highway    |
| 7.32    | Concrete Block Slope Protection             | Bridge Design                | State Bridge Design  | 1        | Bridge     |
| 7.51    | Underdrain and Outlets                      | Highway Design               | State Highway Design | 1        | Highway    |
| 7.55    | Geotextile                                  | Highway Design               | Engineering Services | 1        | Highway    |
| 8.03    | Paved Ditches and Channels                  | Highway Design               | State Highway Design | 1        | Highway    |
| 8.11    | Concrete Curbing                            | Highway Design               | State Highway Design | 4        | Highway    |
| 8.13    | Stone Curbing                               | Highway Design               | State Highway Design | 1        | Highway    |
| 8.14    | Reset Stone Curbing                         | Highway Design               | State Highway Design | 1        | Highway    |
| 8.15    | Bituminous Concrete Curbing                 | Highway Design               | State Highway Design | 1        | Highway    |
| 8.16    | Granite Slope Curbing                       | Highway Design               | State Highway Design | 4        | Highway    |

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|---------|--|------------------------------|------------------------|----------|------------|
|         |  | DIVISION                     | UNIT/SECTION           | DISTRICT | MAINT UNIT |
| 8.18    | Protective Compound for Bridges                            | Bridge Design                | State Bridge Design    | 4        | Bridge     |
| 8.21    | Precast Concrete Barrier Curb                              | Highway Design               | Engineering Services   | 4        | Highway    |
| 8.22    | Temporary Precast Concrete Barrier Curb                    | Highway Design               | Engineering Services   | 4        | Highway    |
| 9.04    | Metal Bridge Rail  | Bridge Design                | State Bridge Design    | 4        | Bridge     |
| 9.05    | Stone Wall Fence   | Highway Design               | State Highway Design   | 1        | Highway    |
| 9.06    | Wire Fence   | Highway Design               | State Highway Design   | 2        | Highway    |
| 9.07    | Barways  | Highway Design               | State Highway Design   | 2        | Highway    |
| 9.08    | Farm Wall Fence  | Highway Design               | State Highway Design   | 1        | Highway    |
| 9.10    | Metal Beam Rail  | Highway Design               | Engineering Services   | 2        | Highway    |
| 9.11    | Metal Beam Rail Anchorages                                 | Highway Design               | Engineering Services   | 2        | Highway    |
| 9.12    | Remove and Reset Posts, Rail & Rail Anchorages             | Highway Design               | Engineering Services   | 2        | Highway    |
| 9.13    | Chain Link Fence   | Highway Design               | State Highway Design   | 2        | Highway    |
| 9.14    | Metal Handrail   | Highway Design               | State Highway Design   | 2        | Highway    |
| 9.15    | Tree Root Protection                                       | Highway Design               | State Highway Design   | 1        | Landscape  |
| 9.16    | Noise Barrier Wall   | Highway Design               | State Highway Design   | 4        | Highway    |
| 9.18    | Three-Cable Guide Railing (I-Beam Posts) & Anchorages      | Highway Design               | Engineering Services   | 2        | Highway    |
| 9.21    | Concrete Sidewalks   | Highway Design               | Engineering Services   | 4        | Highway    |
| 9.22    | Bituminous Concrete Sidewalk, Bituminous Concrete Driveway | Highway Design               | Engineering Services   | 1        | Highway    |
| 9.23    | Bituminous Concrete for Patching                           | Highway Design               | Engineering Services   | 1        | Highway    |
| 9.24    | Concrete Driveway Ramps                                    | Highway Design               | Engineering Services   | 4        | Highway    |
| 9.25    | Pavement for Railing                                       | Highway Design               | Engineering Services   | 1        | Highway    |
| 9.30    | Object Marker  | Traffic                      | Traffic Project Design | 3        | Highway    |
| 9.39    | Sweeping for Dust Control                                  | Construction                 | Specifications         | 4        | Highway    |
| 9.41    | Service Bridges  | Construction                 | Specifications         | 4        | Highway    |
| 9.42    | Calcium Chloride for Dust Control                          | Construction                 | Specifications         | 4        | Highway    |
| 9.43    | Water for Dust Control                                     | Construction                 | Specifications         | 4        | Highway    |
| 9.44    | Topsoil  | Highway Design               | State Highway Design   | 1        | Landscape  |

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|---------|--|-----------------------------------|--|----------|------------------|
|         |  | DIVISION                          | UNIT/SECTION   | DISTRICT | MAINT UNIT       |
| 9.45    | Wildflower Establishment   | Highway Design                    | State Highway Design   | 1        | Landscape        |
| 9.46    | Liming   | Highway Design                    | State Highway Design   | 1        | Landscape        |
| 9.47    | Bus Passenger Shelter  | Facilities and Transit            | Facilities and Transit   | 4        | Staff            |
| 9.49    | Furnishing, Planting & Mulching Trees, Shrubs, Vines & Ground Cover Plants | Highway Design                    | State Highway Design   | 1        | Landscape        |
| 9.50    | Turf Establishment   | Highway Design                    | State Highway Design   | 1        | Landscape        |
| 9.51    | Rock Excavation for Planting   | Highway Design                    | State Highway Design   | 1        | Landscape        |
| 9.52    | Selective Clearing & Thinning  | Highway Design                    | State Highway Design   | 1        | Landscape        |
| 9.53    | Sodding  | Highway Design                    | State Highway Design   | 1        | Landscape        |
| 9.70    | Trafficperson  | Construction                      | Specifications   | 3        | Highway Ops      |
| 9.71    | Maintenance & Protection of Traffic  | Traffic                           | Traffic Project Design   | 3        | Highway Ops      |
| 9.73    | Safety Patrol Service  | Construction                      | Specifications   | 3        | Highway Ops      |
| 9.74    | Removal of Existing Masonry  | Highway Design                    | State Highway Design   | 4        | Highway          |
| 9.75    | Mobilization and Project Closeout  | Construction                      | Specifications   | 3        | Staff            |
| 9.76    | Barricade Warning Lights   | Traffic                           | Traffic Project Design   | 3        | Signs & Markings |
| 9.77    | Traffic Cone   | Traffic                           | Traffic Project Design   | 3        | Signs & Markings |
| 9.78    | Traffic Drum   | Traffic                           | Traffic Project Design   | 3        | Signs & Markings |
| 9.79    | Construction Barricades  | Traffic                           | Traffic Project Design   | 3        | Signs & Markings |
| 9.80    | Construction Staking   | Construction                      | Specifications   | 4        | Highway          |
| 9.81    | 42 Inch (1 Meter) Traffic Cone   | Traffic                           | Traffic Project Design   | 3        | Signs & Markings |
| 9.99    | Disposal of Buildings  | Highway Design                    | State Highway Design   | 4        | Highway          |
| 10.00   | General Clauses for Highway Illumination & Traffic Signal Projects         | Traffic & Facilities              | Traffic Project Design, Facilities Illumination                      | 3        | Highway Ops      |
| 10.01   | Trenching & Backfilling  | Traffic, Facilities & Maintenance | Traffic Project Design, Facilities Illumination & Highway Operations | 3        | Highway Ops      |
| 10.02   | Light Standard & Traffic Control Foundations                               | Traffic, Facilities & Maintenance | Traffic Project Design, Facilities Illumination & Highway Operations | 3        | Highway Ops      |
| 10.03   | Light Standards  | Facilities & Transit              | Facilities Illumination  | 3        | Highway Ops      |

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|---------|------------------------------------|-----------------------------------|--|----------|-------------|
|         |                                    | DIVISION                          | UNIT/SECTION   | DISTRICT | MAINT UNIT  |
| 10.04   | Roadway Luminaire                  | Facilities & Transit              | Facilities Illumination  | 3        | Highway Ops |
| 10.06   | Underbridge Luminaire              | Facilities & Transit              | Facilities Illumination  | 3        | Highway Ops |
| 10.08   | Electrical Conduit                 | Traffic, Facilities & Maintenance | Traffic Project Design, Facilities Illumination & Highway Operations | 3        | Highway Ops |
| 10.09   | Cast Iron Junction Box             | Facilities & Transit              | Facilities Illumination  | 3        | Highway Ops |
| 10.10   | Concrete Handhole                  | Traffic, Facilities & Maintenance | Traffic Project Design, Facilities Illumination & Highway Operations | 3        | Highway Ops |
| 10.11   | 4-Inch (102-Millimeter) Drain Pipe | Facilities & Transit              | Facilities Illumination  | 3        | Highway Ops |
| 10.12   | Single Conductor                   | Facilities & Transit              | Facilities Illumination  | 3        | Highway Ops |
| 10.14   | Cable In Duct                      | Facilities & Transit              | Facilities Illumination  | 3        | Highway Ops |
| 10.15   | Grounding Conductor                | Facilities & Transit              | Facilities Illumination  | 3        | Highway Ops |
| 10.17   | Service Entrance & Cabinet         | Facilities & Transit              | Facilities Illumination  | 3        | Highway Ops |
| 10.18   | Navigation Light                   | Facilities & Transit              | Facilities Illumination  | 3        | Bridge      |
| 11.01   | Pole Anchor                        | Traffic                           | Traffic Project Design   | 3        | Highway Ops |
| 11.02   | Pedestals                          | Traffic                           | Traffic Project Design   | 3        | Highway Ops |
| 11.03   | Span Pole                          | Traffic & Maintenance             | Traffic Project Design & Highway Operations                          | 3        | Highway Ops |
| 11.05   | Traffic Signals                    | Traffic                           | Traffic Project Design   | 3        | Highway Ops |
| 11.06   | Pedestrian Signal                  | Traffic                           | Traffic Project Design   | 3        | Highway Ops |
| 11.07   | Pedestrian Push Button             | Traffic                           | Traffic Project Design   | 3        | Highway Ops |
| 11.08   | Controllers                        | Traffic, Facilities & Maintenance | Traffic Project Design, Facilities Illumination & Highway Operations | 3        | Highway Ops |
| 11.11   | Loop Vehicle Detector & Sawcut     | Traffic & Facilities              | Traffic Project Design, Facilities Illumination                      | 3        | Highway Ops |
| 11.12   | Magnetic Vehicle Detector          | Traffic                           | Traffic Project Design   | 3        | Highway Ops |
| 11.13   | Control Cable                      | Traffic & Facilities              | Traffic Project Design, Facilities Illumination                      | 3        | Highway Ops |

Directive 2015-3-EC, Attachment A  
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Listed by Specification Section

| SECTION | SECTION NAME   | Working Group Representation |                        |          |                               |
|---------|--|------------------------------|------------------------|----------|-------------------------------|
|         |  | DIVISION                     | UNIT/SECTION           | DISTRICT | MAINT UNIT                    |
| 11.14   | Messenger & Span Wire  | Traffic                      | Traffic Project Design | 3        | Highway Ops                   |
| 11.16   | Illuminated Signs  | Traffic                      | Traffic Project Design | 3        | Highway Ops                   |
| 11.17   | Alternate Flashing Signals for Warning Signs                       | Traffic                      | Traffic Project Design | 3        | Highway Ops                   |
| 11.18   | Removal and/or Relocation of Traffic Signal Equipment              | Traffic                      | Traffic Project Design | 3        | Highway Ops                   |
| 11.30   | High Mounted Internally Illuminated Flashing Arrow                 | Traffic                      | Traffic Project Design | 3        | Highway Ops                   |
| 11.30   | Changeable Message Sign, Remote Controlled Changeable Message Sign | Traffic                      | Traffic Project Design | 3        | Highway Ops                   |
| 12.00   | General Clauses for Highway Signing-                               | Traffic                      | Traffic Project Design | 3        | Signs & Markings, Highway Ops |
| 12.01   | Overhead Sign Support  | Bridge Design                | State Bridge Design    | 3        | Bridge, Highway Ops           |
| 12.02   | Overhead Sign Support Foundation                                   | Bridge Design                | State Bridge Design    | 3        | Bridge, Highway Ops           |
| 12.03   | Side Mounted Sign Foundation                                       | Bridge Design                | State Bridge Design    | 3        | Signs & Markings              |
| 12.04   | Sign Panel Overlay   | Traffic                      | Traffic Project Design | 3        | Signs & Markings              |
| 12.05   | Delineators  | Traffic                      | Traffic Project Design | 3        | Signs & Markings              |
| 12.06   | Removal of Existing Signing, Removal of Existing Overhead Signing  | Traffic                      | Traffic Project Design | 3        | Signs & Markings, Bridge      |
| 12.07   | Sign Face - Extruded Aluminum (Type III Reflective Sheeting)       | Traffic                      | Traffic Project Design | 3        | Signs & Markings              |
| 12.08   | Sign Face - Sheet Aluminum   | Traffic                      | Traffic Project Design | 3        | Signs & Markings              |
| 12.09   | Painted Pavement Markings  | Traffic                      | Traffic Project Design | 2        | Signs & Markings              |
| 12.10   | Epoxy Resin Pavement Markings, Symbols & Legends                   | Traffic                      | Traffic Project Design | 2        | Signs & Markings              |
| 12.11   | Removal of Pavement Markings                                       | Traffic                      | Traffic Project Design | 2        | Signs & Markings              |

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| SECTION             | SECTION NAME   | Working Group Representation |                        |          |                  |
|---------------------|--|------------------------------|------------------------|----------|------------------|
|                     |  | DIVISION                     | UNIT/SECTION           | DISTRICT | MAINT UNIT       |
| 12.12               | Temporary Plastic Pavement Marking Tape  | Traffic                      | Traffic Project Design | 2        | Signs & Markings |
| 12.14               | Preformed Black Line Mask Pavement Marking Tape  | Traffic                      | Traffic Project Design | 2        | Signs & Markings |
| 12.16               | Black Epoxy Resin Pavement Markings, Black Epoxy Resin Symbols and Legends   | Traffic                      | Traffic Project Design | 2        | Signs & Markings |
| 12.20               | Construction Signs - Encapsulated Lens Type III Reflective Sheeting  | Traffic                      | Traffic Project Design | 3        | Signs & Markings |
| 13.00               | Utilities  | Facilities & Transit         | Utilities              |          |                  |
| 14.00               | Vacant   | Facilities & Transit         | Utilities              |          |                  |
| 15.00               | Vacant   | Facilities & Transit         | Utilities              |          |                  |
| 16.00               | Vacant   | Facilities & Transit         | Utilities              |          |                  |
| 18.00               | General Clauses - Impact Attenuation Systems   | Highway Design               | Engineering Services   | 2        | Highway          |
| 18.02               | Type A - Impact Attenuation System   | Highway Design               | Engineering Services   | 2        | Highway          |
| 18.04               | Type C and NC - Impact Attenuation Systems   | Highway Design               | Engineering Services   | 2        | Highway          |
| 18.06               | Type D Portable Impact Attenuation System  | Construction                 | Specifications         | 2        | Safety           |
| 18.07               | Temporary Impact Attenuation Systems   | Highway Design               | Engineering Services   | 2        | Highway          |
| <b>DIVISION III</b> |  |                              |                        |          |                  |
| M.01                | Gradation of Aggregate   | Construction                 | Div Materials Testing  | 1        | Highway          |
| M.02                | Granular Fill, Subbase, Granular Base & Surfaces, Stone Base, Pervious Structure Backfill, Free-Draining Material, Crusher-Run Stone | Construction                 | Div Materials Testing  | 1        | Highway, Bridge  |
| M.03                | Portland Cement Concrete   | Construction                 | Div Materials Testing  | 3        | Bridge           |
| M.04                | Bituminous Concrete Materials  | Construction                 | Div Materials Testing  | 1        | Highway          |
| M.05                | Processed Aggregate Base and Pavement Surface Treatment  | Construction                 | Div Materials Testing  | 1        | Highway          |
| M.06                | Metals   | Construction                 | Div Materials Testing  | 2        | Bridge           |

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|---------|--|------------------------------|-----------------------|----------|-----------------------|
|         |  | DIVISION                     | UNIT/SECTION          | DISTRICT | MAINT UNIT            |
| M.07    | Paint  | Construction                 | Div Materials Testing | 2        | Bridge                |
| M.08    | Drainage   | Construction                 | Div Materials Testing | 1        | Highway, Special Svcs |
| M.09    | Sheet Piling & Piles   | Construction                 | Div Materials Testing | 2        | Bridge                |
| M.10    | Railing and Fence  | Construction                 | Div Materials Testing | 2        | Highway               |
| M.11    | Masonry Facing, Cement & Dry Rubble Masonry, Brick, Mortar                           | Construction                 | Div Materials Testing | 3        | Highway               |
| M.12 -  | Riprap, Slope Paving & Slope Protection, Stone & Granite Slope Curbing               | Construction                 | Div Materials Testing | 1        | Highway               |
| M.12 -  | Bearing Areas, Waterproofing & Dampproofing, Calcium Chloride for Dust Control, Wood | Construction                 |                       | 3        | Bridge                |
| M.13    | Roadside Development   | Construction                 | Div Materials Testing | 1        | Landscape             |
| M.14    | Prestressed Concrete Members   | Construction                 | Div Materials Testing | 3        | Bridge                |
| M.15    | Highway Illumination   | Construction                 | Div Materials Testing | 4        | Highway Ops           |
| M.16    | Traffic Control Signals  | Construction                 | Div Materials Testing | 4        | Highway Ops           |
| M.17    | Elastomeric Materials  | Construction                 | Div Materials Testing | 3        | Bridge                |
| M.18    | Signing  | Construction                 | Div Materials Testing | 4        | Signs & Markings      |
| Misc.   | Table of Contents  | Construction                 | Specifications        |          | Staff                 |
| Misc.   | List of Standard Pay Items   | Construction                 | Specifications        |          | Staff                 |

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|---------|--|------------------------------|---------------------|----------|---------------------|
|         |  | DIVISION                     | UNIT/SECTION        | DISTRICT | MAINT UNIT          |
| 2.14    | Compacted Granular Fill                      | Bridge Design                | State Bridge Design | 1        | Bridge              |
| 2.16    | Pervious Structure Backfill                  | Bridge Design                | State Bridge Design | 1        | Bridge              |
| 7.25    | Bagged Stone                                 | Bridge Design                | State Bridge Design | 1        | Bridge              |
| 7.32    | Concrete Block Slope Protection              | Bridge Design                | State Bridge Design | 1        | Bridge              |
| 2.04    | Cofferdam and Dewatering                     | Bridge Design                | State Bridge Design | 2        | Bridge              |
| 5.08    | Shear Connectors                             | Bridge Design                | State Bridge Design | 2        | Bridge              |
| 5.09    | Welded Studs                                 | Bridge Design                | State Bridge Design | 2        | Bridge              |
| 6.02    | Reinforcing Steel                            | Bridge Design                | State Bridge Design | 2        | Bridge              |
| 6.03    | Structural Steel                             | Bridge Design                | State Bridge Design | 2        | Bridge              |
| 7.13    | Permanent Steel Sheet Piling                 | Bridge Design                | State Bridge Design | 2        | Bridge              |
| 7.14    | Temporary Sheet Piling                       | Bridge Design                | State Bridge Design | 2        | Bridge              |
| 7.15    | Sheet Piling Material Left in Place          | Bridge Design                | State Bridge Design | 2        | Bridge              |
| 12.01   | Overhead Sign Support                        | Bridge Design                | State Bridge Design | 3        | Bridge, Highway Ops |
| 12.02   | Overhead Sign Support Foundation             | Bridge Design                | State Bridge Design | 3        | Bridge, Highway Ops |
| 12.03   | Side Mounted Sign Foundation                 | Bridge Design                | State Bridge Design | 3        | Signs & Markings    |
| 2.03    | Structure Excavation                         | Bridge Design                | State Bridge Design | 4        | Bridge              |
| 5.01    | Structures - General Clauses                 | Bridge Design                | State Bridge Design | 4        | Bridge              |
| 5.03    | Removal of & Alterations to Existing Bridges | Bridge Design                | State Bridge Design | 4        | Bridge              |
| 5.13    | Polyvinyl Chloride Plastic Pipe              | Bridge Design                | State Bridge Design | 4        | Bridge              |
| 5.14    | Prestressed Concrete Members                 | Bridge Design                | State Bridge Design | 4        | Bridge              |
| 5.21    | Elastomeric Bearing Pads                     | Bridge Design                | State Bridge Design | 4        | Bridge              |
| 5.22    | Elastomeric Compression Seal                 | Bridge Design                | State Bridge Design | 4        | Bridge              |
| 6.01    | Concrete for Structures                      | Bridge Design                | State Bridge Design | 4        | Bridge              |
| 6.05    | Masonry Facing                               | Bridge Design                | State Bridge Design | 4        | Bridge              |
| 6.09    | Repointed Masonry                            | Bridge Design                | State Bridge Design | 4        | Bridge              |
| 6.11    | Shotcrete                                    | Bridge Design                | State Bridge Design | 4        | Bridge              |

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|         |  | DIVISION                     | UNIT/SECTION          | DISTRICT | MAINT UNIT            |
| 7.05    | Slope Paving   | Bridge Design                | State Bridge Design   | 4        | Bridge                |
| 7.07    | Membrane Waterproofing (Woven Glass Fabric)  | Bridge Design                | State Bridge Design   | 4        | Bridge                |
| 7.08    | Damp-proofing  | Bridge Design                | State Bridge Design   | 4        | Bridge                |
| 8.18    | Protective Compound for Bridges  | Bridge Design                | State Bridge Design   | 4        | Bridge                |
| 9.04    | Metal Bridge Rail  | Bridge Design                | State Bridge Design   | 4        | Bridge                |
| M.01    | Gradation of Aggregate   | Construction                 | Div Materials Testing | 1        | Highway               |
| M.04    | Bituminous Concrete Materials  | Construction                 | Div Materials Testing | 1        | Highway               |
| M.05    | Processed Aggregate Base and Pavement Surface Treatment  | Construction                 | Div Materials Testing | 1        | Highway               |
| M.12 -  | Riprap, Slope Paving & Slope Protection, Stone & Granite Slope Curbing   | Construction                 | Div Materials Testing | 1        | Highway               |
| M.02    | Granular Fill, Subbase, Granular Base & Surfaces, Stone Base, Pervious Structure Backfill, Free-Draining Material, Crusher-Run Stone | Construction                 | Div Materials Testing | 1        | Highway, Bridge       |
| M.08    | Drainage   | Construction                 | Div Materials Testing | 1        | Highway, Special Svcs |
| M.13    | Roadside Development   | Construction                 | Div Materials Testing | 1        | Landscape             |
| M.06    | Metals   | Construction                 | Div Materials Testing | 2        | Bridge                |
| M.07    | Paint  | Construction                 | Div Materials Testing | 2        | Bridge                |
| M.09    | Sheet Piling & Piles   | Construction                 | Div Materials Testing | 2        | Bridge                |
| M.10    | Railing and Fence  | Construction                 | Div Materials Testing | 2        | Highway               |
| 1.06    | Control of Materials   | Construction                 | Div Materials Testing | 2        | Staff                 |
| M.03    | Portland Cement Concrete   | Construction                 | Div Materials Testing | 3        | Bridge                |
| M.14    | Prestressed Concrete Members   | Construction                 | Div Materials Testing | 3        | Bridge                |
| M.17    | Elastomeric Materials  | Construction                 | Div Materials Testing | 3        | Bridge                |

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|         |  | DIVISION                     | UNIT/SECTION          | DISTRICT | MAINT UNIT       |
| M.11    | Masonry Facing, Cement & Dry Rubble<br>Masonry, Brick, Mortar                              | Construction                 | Div Materials Testing | 3        | Highway          |
| M.15    | Highway Illumination   | Construction                 | Div Materials Testing | 4        | Highway Ops      |
| M.16    | Traffic Control Signals  | Construction                 | Div Materials Testing | 4        | Highway Ops      |
| M.18    | Signing  | Construction                 | Div Materials Testing | 4        | Signs & Markings |
| 18.06   | Type D Portable Impact Attenuation<br>System   | Construction                 | Specifications        | 2        | Safety           |
| 1.04    | Scope of Work  | Construction                 | Specifications        | 2        | Staff            |
| 1.05    | Control of the Work  | Construction                 | Specifications        | 2        | Staff            |
| 1.07    | Legal Relations & Responsibilities   | Construction                 | Specifications        | 2        | Staff            |
| 1.08    | Prosecution and Progress   | Construction                 | Specifications        | 2        | Staff            |
| 1.09    | Measurement & Payment  | Construction                 | Specifications        | 2        | Staff            |
| 1.11    | Claims   | Construction                 | Specifications        | 2        | Staff            |
| 9.70    | Trafficperson  | Construction                 | Specifications        | 3        | Highway Ops      |
| 9.73    | Safety Patrol Service  | Construction                 | Specifications        | 3        | Highway Ops      |
| 9.75    | Mobilization and Project Closeout  | Construction                 | Specifications        | 3        | Staff            |
| 9.39    | Sweeping for Dust Control  | Construction                 | Specifications        | 4        | Highway          |
| 9.41    | Service Bridges  | Construction                 | Specifications        | 4        | Highway          |
| 9.42    | Calcium Chloride for Dust Control  | Construction                 | Specifications        | 4        | Highway          |
| 9.43    | Water for Dust Control   | Construction                 | Specifications        | 4        | Highway          |
| 9.80    | Construction Staking   | Construction                 | Specifications        | 4        | Highway          |
| 5.04    | Railroad Protection  | Construction                 | Specifications        | 4        | Staff            |
| 6.12    | Concrete Cylinder Curing Box   | Construction                 | Specifications        | 4        | Staff            |
| Misc.   | Table of Contents  | Construction                 | Specifications        |          | Staff            |
| Misc.   | List of Standard Pay Items   | Construction                 | Specifications        |          | Staff            |
| M.12 -  | Bearing Areas, Waterproofing &<br>Dampproofing, Calcium Chloride for Dust<br>Control, Wood | Construction                 |                       | 3        | Bridge           |

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|         |  | DIVISION                     | UNIT/SECTION            | DISTRICT | MAINT UNIT  |
| 1.20    | General Clauses for Facilities Construction                | Facilities & Transit         | Facilities Design       | 2        | Staff       |
| 10.18   | Navigation Light   | Facilities & Transit         | Facilities Illumination | 3        | Bridge      |
| 10.03   | Light Standards  | Facilities & Transit         | Facilities Illumination | 3        | Highway Ops |
| 10.04   | Roadway Luminaire  | Facilities & Transit         | Facilities Illumination | 3        | Highway Ops |
| 10.06   | Underbridge Luminaire                                      | Facilities & Transit         | Facilities Illumination | 3        | Highway Ops |
| 10.09   | Cast Iron Junction Box                                     | Facilities & Transit         | Facilities Illumination | 3        | Highway Ops |
| 10.11   | 4-Inch (102-Millimeter) Drain Pipe                         | Facilities & Transit         | Facilities Illumination | 3        | Highway Ops |
| 10.12   | Single Conductor   | Facilities & Transit         | Facilities Illumination | 3        | Highway Ops |
| 10.14   | Cable In Duct  | Facilities & Transit         | Facilities Illumination | 3        | Highway Ops |
| 10.15   | Grounding Conductor  | Facilities & Transit         | Facilities Illumination | 3        | Highway Ops |
| 10.17   | Service Entrance & Cabinet                                 | Facilities & Transit         | Facilities Illumination | 3        | Highway Ops |
| 13.00   | Utilities  | Facilities & Transit         | Utilities               |          |             |
| 14.00   | Vacant   | Facilities & Transit         | Utilities               |          |             |
| 15.00   | Vacant   | Facilities & Transit         | Utilities               |          |             |
| 16.00   | Vacant   | Facilities & Transit         | Utilities               |          |             |
| 1.01    | Definition of Terms & Permissible Abbreviations            | Facilities and Transit       | Contract Development    | 2        | Staff       |
| 1.02    | Proposal Requirements & Conditions                         | Facilities and Transit       | Contract Development    | 2        | Staff       |
| 1.03    | Award & Execution of Contract                              | Facilities and Transit       | Contract Development    | 2        | Staff       |
| 9.47    | Bus Passenger Shelter                                      | Facilities and Transit       | Facilities and Transit  | 4        | Staff       |
| 4.03    | Cold Reclaimed Asphalt Pavement                            | Highway Design               | Engineering Services    | 1        | Highway     |
| 4.06    | Bituminous Concrete  | Highway Design               | Engineering Services    | 1        | Highway     |
| 4.14    | Bituminous Surface Treatment                               | Highway Design               | Engineering Services    | 1        | Highway     |
| 4.15    | Pressure Relief Joint                                      | Highway Design               | Engineering Services    | 1        | Highway     |
| 7.28    | Crushed Stone for Slope Protection                         | Highway Design               | Engineering Services    | 1        | Highway     |
| 7.55    | Geotextile   | Highway Design               | Engineering Services    | 1        | Highway     |
| 9.22    | Bituminous Concrete Sidewalk, Bituminous Concrete Driveway | Highway Design               | Engineering Services    | 1        | Highway     |
| 9.23    | Bituminous Concrete for Patching                           | Highway Design               | Engineering Services    | 1        | Highway     |

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|         |  | DIVISION                     | UNIT/SECTION         | DISTRICT | MAINT UNIT |
| 9.25    | Pavement for Railing   | Highway Design               | Engineering Services | 1        | Highway    |
| 7.06    | Micropiles   | Highway Design               | Engineering Services | 2        | Bridge     |
| 7.01    | Drilled Shafts   | Highway Design               | Engineering Services | 2        | Highway    |
| 7.02    | Piles  | Highway Design               | Engineering Services | 2        | Highway    |
| 9.10    | Metal Beam Rail  | Highway Design               | Engineering Services | 2        | Highway    |
| 9.11    | Metal Beam Rail Anchorages   | Highway Design               | Engineering Services | 2        | Highway    |
| 9.12    | Remove and Reset Posts, Rail & Rail Anchorages                             | Highway Design               | Engineering Services | 2        | Highway    |
| 9.18    | Three-Cable Guide Railing (I-Beam Posts) & Anchorages                      | Highway Design               | Engineering Services | 2        | Highway    |
| 18.00   | General Clauses - Impact Attenuation Systems                               | Highway Design               | Engineering Services | 2        | Highway    |
| 18.02   | Type A - Impact Attenuation System   | Highway Design               | Engineering Services | 2        | Highway    |
| 18.04   | Type C and NC - Impact Attenuation Systems                                 | Highway Design               | Engineering Services | 2        | Highway    |
| 18.07   | Temporary Impact Attenuation Systems                                       | Highway Design               | Engineering Services | 2        | Highway    |
| 8.21    | Precast Concrete Barrier Curb  | Highway Design               | Engineering Services | 4        | Highway    |
| 8.22    | Temporary Precast Concrete Barrier Curb                                    | Highway Design               | Engineering Services | 4        | Highway    |
| 9.21    | Concrete Sidewalks   | Highway Design               | Engineering Services | 4        | Highway    |
| 9.24    | Concrete Driveway Ramps  | Highway Design               | Engineering Services | 4        | Highway    |
| 2.02    | Roadway Excavation, Formation of Embankment & Disposal of Surplus Material | Highway Design               | State Highway Design | 1        | Highway    |
| 2.05    | Trench Excavation  | Highway Design               | State Highway Design | 1        | Highway    |
| 2.06    | Ditch Excavation   | Highway Design               | State Highway Design | 1        | Highway    |
| 2.07    | Borrow   | Highway Design               | State Highway Design | 1        | Highway    |
| 2.08    | Free-Draining Material   | Highway Design               | State Highway Design | 1        | Highway    |
| 2.09    | Subgrade   | Highway Design               | State Highway Design | 1        | Highway    |
| 2.12    | Subbase  | Highway Design               | State Highway Design | 1        | Highway    |

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|         |  | DIVISION                     | UNIT/SECTION         | DISTRICT | MAINT UNIT |
| 2.13    | Granular Fill  | Highway Design               | State Highway Design | 1        | Highway    |
| 3.02    | Rolled Granular Base   | Highway Design               | State Highway Design | 1        | Highway    |
| 3.04    | Processed Aggregate Base   | Highway Design               | State Highway Design | 1        | Highway    |
| 3.05    | Processed Aggregate  | Highway Design               | State Highway Design | 1        | Highway    |
| 5.07    | Catch Basins, Manholes & Drop Inlets                                       | Highway Design               | State Highway Design | 1        | Highway    |
| 6.51    | Culverts   | Highway Design               | State Highway Design | 1        | Highway    |
| 6.52    | Culvert Ends   | Highway Design               | State Highway Design | 1        | Highway    |
| 6.53    | Clean Existing Drainage System   | Highway Design               | State Highway Design | 1        | Highway    |
| 7.03    | Riprap   | Highway Design               | State Highway Design | 1        | Highway    |
| 7.04    | Gabions  | Highway Design               | State Highway Design | 1        | Highway    |
| 7.51    | Underdrain and Outlets   | Highway Design               | State Highway Design | 1        | Highway    |
| 8.03    | Paved Ditches and Channels   | Highway Design               | State Highway Design | 1        | Highway    |
| 8.13    | Stone Curbing  | Highway Design               | State Highway Design | 1        | Highway    |
| 8.14    | Reset Stone Curbing  | Highway Design               | State Highway Design | 1        | Highway    |
| 8.15    | Bituminous Concrete Curbing  | Highway Design               | State Highway Design | 1        | Highway    |
| 9.05    | Stone Wall Fence   | Highway Design               | State Highway Design | 1        | Highway    |
| 9.08    | Farm Wall Fence  | Highway Design               | State Highway Design | 1        | Highway    |
| 9.15    | Tree Root Protection   | Highway Design               | State Highway Design | 1        | Landscape  |
| 9.44    | Topsoil  | Highway Design               | State Highway Design | 1        | Landscape  |
| 9.45    | Wildflower Establishment   | Highway Design               | State Highway Design | 1        | Landscape  |
| 9.46    | Liming   | Highway Design               | State Highway Design | 1        | Landscape  |
| 9.49    | Furnishing, Planting & Mulching Trees, Shrubs, Vines & Ground Cover Plants | Highway Design               | State Highway Design | 1        | Landscape  |
| 9.50    | Turf Establishment   | Highway Design               | State Highway Design | 1        | Landscape  |
| 9.51    | Rock Excavation for Planting   | Highway Design               | State Highway Design | 1        | Landscape  |
| 9.52    | Selective Clearing & Thinning  | Highway Design               | State Highway Design | 1        | Landscape  |
| 9.53    | Sodding  | Highway Design               | State Highway Design | 1        | Landscape  |
| 9.06    | Wire Fence   | Highway Design               | State Highway Design | 2        | Highway    |

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|         |  | DIVISION                     | UNIT/SECTION                                | DISTRICT | MAINT UNIT       |
| 9.07    | Barways  | Highway Design               | State Highway Design                        | 2        | Highway          |
| 9.13    | Chain Link Fence   | Highway Design               | State Highway Design                        | 2        | Highway          |
| 9.14    | Metal Handrail   | Highway Design               | State Highway Design                        | 2        | Highway          |
| 2.01    | Clearing & Grubbing  | Highway Design               | State Highway Design                        | 4        | Highway          |
| 3.03    | Concrete Base  | Highway Design               | State Highway Design                        | 4        | Highway          |
| 4.01    | Concrete Pavement  | Highway Design               | State Highway Design                        | 4        | Highway          |
| 6.06    | Cement Rubble Masonry  | Highway Design               | State Highway Design                        | 4        | Highway          |
| 6.07    | Dry Rubble Masonry   | Highway Design               | State Highway Design                        | 4        | Highway          |
| 8.11    | Concrete Curbing   | Highway Design               | State Highway Design                        | 4        | Highway          |
| 8.16    | Granite Slope Curbing  | Highway Design               | State Highway Design                        | 4        | Highway          |
| 9.16    | Noise Barrier Wall   | Highway Design               | State Highway Design                        | 4        | Highway          |
| 9.74    | Removal of Existing Masonry  | Highway Design               | State Highway Design                        | 4        | Highway          |
| 9.99    | Disposal of Buildings  | Highway Design               | State Highway Design                        | 4        | Highway          |
| 5.06    | Retaining Walls, Endwalls & Steps  | Highway Design               | State Highway Design & Engineering Services | 4        | Highway          |
| 2.10    | Water Pollution Control (Soil Erosion)                                     | Policy and Planning          | Environmental Planning                      | 1        | Highway          |
| 2.18    | Sedimentation Control Bales  | Policy and Planning          | Environmental Planning                      | 1        | Highway          |
| 2.19    | Sedimentation Control System   | Policy and Planning          | Environmental Planning                      | 1        | Highway          |
| 1.10    | Environmental Compliance   | Policy and Planning          | Environmental Planning                      | 2        | Staff            |
| 12.09   | Painted Pavement Markings  | Traffic                      | Traffic Project Design                      | 2        | Signs & Markings |
| 12.10   | Epoxy Resin Pavement Markings, Symbols & Legends                           | Traffic                      | Traffic Project Design                      | 2        | Signs & Markings |
| 12.11   | Removal of Pavement Markings   | Traffic                      | Traffic Project Design                      | 2        | Signs & Markings |
| 12.12   | Temporary Plastic Pavement Marking Tape                                    | Traffic                      | Traffic Project Design                      | 2        | Signs & Markings |
| 12.14   | Preformed Black Line Mask Pavement Marking Tape                            | Traffic                      | Traffic Project Design                      | 2        | Signs & Markings |
| 12.16   | Black Epoxy Resin Pavement Markings, Black Epoxy Resin Symbols and Legends | Traffic                      | Traffic Project Design                      | 2        | Signs & Markings |

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|         |  | DIVISION                     | UNIT/SECTION           | DISTRICT | MAINT UNIT       |
| 9.30    | Object Marker  | Traffic                      | Traffic Project Design | 3        | Highway          |
| 9.71    | Maintenance & Protection of Traffic                          | Traffic                      | Traffic Project Design | 3        | Highway Ops      |
| 11.01   | Pole Anchor  | Traffic                      | Traffic Project Design | 3        | Highway Ops      |
| 11.02   | Pedestals  | Traffic                      | Traffic Project Design | 3        | Highway Ops      |
| 11.05   | Traffic Signals  | Traffic                      | Traffic Project Design | 3        | Highway Ops      |
| 11.06   | Pedestrian Signal  | Traffic                      | Traffic Project Design | 3        | Highway Ops      |
| 11.07   | Pedestrian Push Button                                       | Traffic                      | Traffic Project Design | 3        | Highway Ops      |
| 11.12   | Magnetic Vehicle Detector                                    | Traffic                      | Traffic Project Design | 3        | Highway Ops      |
| 11.14   | Messenger & Span Wire  | Traffic                      | Traffic Project Design | 3        | Highway Ops      |
| 11.16   | Illuminated Signs  | Traffic                      | Traffic Project Design | 3        | Highway Ops      |
| 11.17   | Alternate Flashing Signals for Warning Signs                 | Traffic                      | Traffic Project Design | 3        | Highway Ops      |
| 11.18   | Removal and/or Relocation of Traffic Signal Equipment        | Traffic                      | Traffic Project Design | 3        | Highway Ops      |
| 11.30   | High Mounted Internally Illuminated Flashing Arrow           | Traffic                      | Traffic Project Design | 3        | Highway Ops      |
| 11.30   | Changeable Message Sign, Remote                              | Traffic                      | Traffic Project Design | 3        | Highway Ops      |
| 9.76    | Barricade Warning Lights                                     | Traffic                      | Traffic Project Design | 3        | Signs & Markings |
| 9.77    | Traffic Cone   | Traffic                      | Traffic Project Design | 3        | Signs & Markings |
| 9.78    | Traffic Drum   | Traffic                      | Traffic Project Design | 3        | Signs & Markings |
| 9.79    | Construction Barricades                                      | Traffic                      | Traffic Project Design | 3        | Signs & Markings |
| 9.81    | 42 Inch (1 Meter) Traffic Cone                               | Traffic                      | Traffic Project Design | 3        | Signs & Markings |
| 12.04   | Sign Panel Overlay   | Traffic                      | Traffic Project Design | 3        | Signs & Markings |
| 12.05   | Delineators  | Traffic                      | Traffic Project Design | 3        | Signs & Markings |
| 12.07   | Sign Face - Extruded Aluminum (Type III Reflective Sheeting) | Traffic                      | Traffic Project Design | 3        | Signs & Markings |
| 12.08   | Sign Face - Sheet Aluminum                                   | Traffic                      | Traffic Project Design | 3        | Signs & Markings |

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|         |   | DIVISION                          | UNIT/SECTION   | DISTRICT | MAINT UNIT                    |
| 12.20   | Construction Signs - Encapsulated Lens Type III Reflective Sheeting | Traffic                           | Traffic Project Design   | 3        | Signs & Markings              |
| 12.06   | Removal of Existing Signing, Removal of Existing Overhead Signing   | Traffic                           | Traffic Project Design   | 3        | Signs & Markings, Bridge      |
| 12.00   | General Clauses for Highway Signing-                                | Traffic                           | Traffic Project Design   | 3        | Signs & Markings, Highway Ops |
| 10.00   | General Clauses for Highway Illumination & Traffic Signal Projects  | Traffic & Facilities              | Traffic Project Design, Facilities Illumination                      | 3        | Highway Ops                   |
| 11.11   | Loop Vehicle Detector & Sawcut                                      | Traffic & Facilities              | Traffic Project Design, Facilities Illumination                      | 3        | Highway Ops                   |
| 11.13   | Control Cable   | Traffic & Facilities              | Traffic Project Design, Facilities Illumination                      | 3        | Highway Ops                   |
| 11.03   | Span Pole   | Traffic & Maintenance             | Traffic Project Design & Highway Operations                          | 3        | Highway Ops                   |
| 10.01   | Trenching & Backfilling   | Traffic, Facilities & Maintenance | Traffic Project Design, Facilities Illumination & Highway Operations | 3        | Highway Ops                   |
| 10.02   | Light Standard & Traffic Control Foundations                        | Traffic, Facilities & Maintenance | Traffic Project Design, Facilities Illumination & Highway Operations | 3        | Highway Ops                   |
| 10.08   | Electrical Conduit  | Traffic, Facilities & Maintenance | Traffic Project Design, Facilities Illumination &                    | 3        | Highway Ops                   |
| 10.10   | Concrete Handhole   | Traffic, Facilities & Maintenance | Traffic Project Design, Facilities Illumination & Highway Operations | 3        | Highway Ops                   |
| 11.08   | Controllers   | Traffic, Facilities & Maintenance | Traffic Project Design, Facilities Illumination & Highway Operations | 3        | Highway Ops                   |