Unit 2
Standard Specifications and Special Provisions

Unit 2 Topics:

- Why are Standard Specifications needed?
- Standard Specification organization
- Significance of Special Provisions and how they relate to the Standard Specifications
- Tips for searching and navigating through Standard Specifications
Standard Specifications for Construction are needed to...

- Establish basic expectations and guidelines between Agency and Contractor
- Describe responsibilities of the Agency and Contractor
- Assure fairness between the Agency and Contractor
- Ensure quality of the workmanship and materials
- Statewide contract administration consistency

Order of Standard Specification Sections

- 00100 General Requirements
- 00200 Temporary Features and Appurtenances
- 00300 Roadwork (from top of subgrade downward)
- 00400 Drainage and Sewer
- 00500 Bridge
- 00600 Bases
- 00700 Wearing Surfaces
- 00800 Permanent Traffic Safety and Guidance Devices
- 00900 Permanent Traffic Control and Illumination Systems
- 01000 Right of Way Development and Control
- 02000 and 03000 Materials
The Technical Resource List

The Technical Resource List for the 2018 Standard Specifications is at the following website:


Specification Sections: 00200 through 01999

Most subsections structured this way.
Navigating through the Specifications
Specification Sections – 00200 through 01999

Description (.00) – What is being constructed?
Materials (.10) – What materials are being used for construction?
Construction (.40) – How will construction happen?
Measurement (.80) – How will construction be measured?
Payment (.90) – What are you paying for and how is it required to be paid?

Searching for a Specification

Using the Index Vs. Table of Contents

1. Figure out key topic of interest.
2. Look in the index for topic.
3. Decide if section or subsection answers question.
4. If not, look at Table of Contents for topic.
5. If this still does not lead you to your topic, re-frame topic.
Special Provisions

- Table of Contents (9/281)
- Labor and Civil Rights (25/281)
- Professionals of Record (175/281)
- Project specific changes to Standard Specifications (182/281)
- Schedule of Items (253/281)
- Project Contract (274/281)

What are Special Provisions?

**Project specific** revisions to the Standard Specifications and include:

- Class of Project? State or federal-aid? (P.181/281)
- Specific information covering work methods, materials, measurements, or basis of payments.
- Special rules or regulations.
- Includes any amended or supplemental permits or orders issued during the course of performing the Work under the Contract.
- Identical formatting as the Standard Specifications.
Why do we have Special Provisions?

- Change a Standard Specification for a Specific Project.
- Add or remove sections or subsections from Standard Specifications for a Specific Project.
- Specify estimated quantities for bidding purposes.
- Provide boiler plate provisions
- Other items included:
  - Wage determinations
  - Survey requirements
  - Bid Item schedules

How do Special Provisions relate to Standard Specifications?

- Changes **only** the referenced specific Standard Section.
- Changes **only** the referenced specific Standard Subsection.
- When a discrepancy is caused by a special provision section, the special provision **always** takes precedence over the standard specification.
Standard Specification vs. Special Provision examples

02530 – Structural Steel

02530.70 – Galvanizing

- **Standard Specification**
  - “ranges 0 -0.04 percent or 0.15 percent - 0.25 percent”

- **Special Provisions**
  - “The silicon content shall be in the ranges 0 - 0.06 or 0.13 - 0.25 percent.”

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**Schedule of Items (P. 253/281)**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>ITEM DESCRIPTION</th>
<th>UNIT OF MEASURE</th>
<th>QUANTITY</th>
<th>UNIT PRICE (IN FIGURES)</th>
<th>TOTAL (IN FIGURES)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0225-0100000A</td>
<td>MOBILIZATION</td>
<td>LUMP</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>0225-0100000A</td>
<td>TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC</td>
<td>LUMP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0225-0120000J</td>
<td>TEMPORARY SIGNS</td>
<td>[SQFT]</td>
<td>1,000.00</td>
<td>15.00</td>
<td>15,000.00</td>
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<tr>
<td>0225-0140000E</td>
<td>TEMPORARY BARRICADES, TYPE II</td>
<td>[EACH]</td>
<td>2.00</td>
<td>100.00</td>
<td>200.00</td>
</tr>
</tbody>
</table>
Schedule of items (P. 259/281)

| 0445-035612AF | | | |
|----------------|-----------------|-----------------|
| 0500 | 12 INCH STORM SEWER PIPE, | 116.00 | 75.00 | 8,700.00 |
| (5 FT DEPTH) | Foot | | |
| | | | |
| 0445-035624AF | | | |
| 0510 | 24 INCH STORM SEWER PIPE, | 22.00 | 190.00 | 4,180.00 |
| (5 FT DEPTH) | Foot | | |
| | | | |
| 0445-070612CE | | | |
| 0520 | SLOPED END SECTIONS, 12 | 3.00 | 100.00 | 300.00 |
| (INCH) | EACH | | |
| | | | |
| 0445-070618CE | | | |
| 0530 | SLOPED END SECTIONS, 18 | 6.00 | 200.00 | 1,200.00 |
| (INCH) | EACH | | |
| | | | |
| 0445-070624CE | | | |
| 0540 | SLOPED END SECTIONS, 24 | 3.00 | 300.00 | 900.00 |
| (INCH) | EACH | | |
| | | | |
| 0470-010300CE | | | |
| 0550 | CONCRETE MANHOLES, WITH | 1.00 | 5,000.00 | 5,000.00 |
| INLET | EACH | | |

SECTION 0004  BRIDGE NO. 17410

Unit 2 Review:

✓ Importance of Standard Specifications
✓ Significance of Special Provisions
✓ How Special Provisions relate to Standard Specifications
✓ Tips for searching Standard Specifications