SSP Index 04-30-15

[For 2011 Spec Book]

COLORADO

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISIONS

♦

STANDARD SPECIAL PROVISIONS

**No.**

**Name Date of Pages**

Revision of Sections 101, 508, 614, and 710 – Treated Timber (July 31, 2014) 1

*Projects having treated timber, including timber structures, timber sign posts, wood sound barriers, wood fence posts, and wood guardrail posts.*

Revision of Section 101 and 630 – Construction Zone Traffic Control (April 30, 2015) 2

*All projects.*

Revision of Section 102 – Contents of Proposal Forms (April 9, 2015) 1

*All projects.*

Revision of Section 103 – Colorado Resident Bid Preference (February 3, 2011) 1

*Projects funded without federal aid.*

Revision of Section 103 – Escrow of Proposal Documentation (May 5, 2011) 2

*Use sparingly on projects approved by the Region Program Engineer that meet the following criteria:*

*(1) Project with contract amount greater than $3 million; or*

*(2) complex project that has one or more of the following elements:*

*A. tunneling work*

*B. overlap of or proximity to projects that could result in conflicting construction schedules / delays*

*C. complex state of the art structures*

*D. high risk of encountering unknown hazardous materials*

*E. other government or private agency involvement and there is a good possibility that the entity will request major changes to the Contract.*

Revision of Section 105 – Construction Drawings (July 29, 2011) 1

*Projects where construction drawings maintained by the Contractor are not required.*

Revision of Section 105 – Construction Surveying (July 31, 2014) 1

*All projects.*

Revision of Section 105 – Contractor Submittals Traffic Signal Pedestal Pole (February 3, 2011) 1

*Projects having traffic signal pedestal poles.*

Revision of Section 105 – Disputes and Claims for Contract Adjustments (Nov. 6, 2014) 31

*Use in all Design-Bid-Build projects and Modified Design/Build projects. Use in Design/Build projects unless your modified version of the SSP is approved by the Standards & Specifications Unit. If a standing DRB is required for the project, add the following General Note to the Plans: “There shall be a Standing Disputes Review Board for this Project." A standing DRB should be called for on the following types of projects:*

1. *Large projects (greater than $15 million)*
2. *Projects with complex construction*
3. *Projects with large complex structures*
4. *Projects with multi-phase construction*
5. *Projects with major impacts to traffic*
6. *Projects with other complicating factors that could easily lead to disputes*

*On projects that require a standing DRB, establish a planned force account item to cover the ongoing costs of the DRB.*

Revision of Section 105 – Hot Mix Asphalt Pavement Smoothness (May 8, 2014) 7

*Projects having Hot Mix Asphalt.*

*Note: This specification requires a Force Account item for incentive* *payment.*

Revision of Section 105 – Portland Cement Concrete Pavement Smoothness (May 8, 2014) 1

*Projects having Portland Cement Concrete Pavement (PCCP).*

*Note: This specification requires a Force Account item for incentive* *payment.*

Revision of Section 105 – Violation of Working Time Limitation (February 3, 2011) 1

*Projects that have a working time limitation specified in the project special provisions.*

Revision of Sections 105 and 106 – Conformity to the Contract of Hot Mix Asphalt (January 15, 2015) 8

(Less than 5000 Tons)

*Projects with less than 5000 tons of HMA, as determined by the Region Materials Engineer.*

*Note: This specification requires a Force Account item for incentive* *payment.*

Revision of Sections 105 and 106 – Conformity to the Contract of Hot Mix Asphalt (January 15, 2015) 9

(Less than 5000 Tons with Volumetric Verification)

*Projects with less than 5000 tons of HMA, as determined by the Region Materials Engineer.*

*Note: This specification requires a Force Account item for incentive* *payment.*

Revision of Sections 105 and 106 – Conformity to the Contract of Hot Mix Asphalt (January 15, 2015) 10

(Voids Acceptance)

Projects with 5000 or more tons of HMA when acceptance is based on asphalt content, voids in the mineral aggregate, air voids, and in-place density.

Note: This specification requires a Force Account item for incentive payment.

Revision of Sections 105, 106, 412, 601 and 709 - Conformity to the Contract of (April 30, 2015) 24

Portland Cement Concrete Pavement

and Dowel Bars and Tie Bars for Joints

*Projects having Concrete Class E and Class P.*

*Note: This specification requires a Force Account item for incentive payment. The designer will place a note in the Genereal Notes indicating whether the project will be accepted by flexural strength or compressive strength.*

Revision of Section 106 – Buy America Requirements (November 6, 2014) 1

*All projects.*

Revision of Section 106 – Certificates of Compliance and Certified Test Reports (February 3, 2011) 1

*All projects.*

Revision of Section 106 – County of Origin (January 15, 2015) 1

*Projects which are solely State funded and have budgets greater than $500,000.*

Revision of Section 106 – Hot Mix Asphalt – Verification Testing (July 29, 2011) 2

*Projects having more than 5000 tons of Hot Mix Asphalt (HMA) when acceptance*

*is based on gradation, asphalt content, and in-place density.*

Revision of Section 106 – Material Sources (October 31, 2013) 1

*All projects.*

Revision of Section 106 – Supplier List (January 30, 2014) 1

*All projects.*

Revision of Sections 106 and 412 – Surface Texture of Portland Cement Concrete (April 30, 2015) 3

Pavement

*Projects having any type of concrete pavement.*

Revision of Sections 106, 627 and 713 - Glass Beads for Pavement Marking (February 8, 2013) 2

*Projects having pavement marking with glass beads.*

Revision of Section 107 – Contractor Obtained Stormwater Construction Permit (July 31, 2014) 1

*Projects having a Colorado Discharge Permit System (CDPS) Stormwater Construction Permit (SCP) in which the Resident Engineer chooses to have the Contractor hold the permit during construction.*

Revision of Section 107 – Project Payrolls (May 2, 2013) 1

*All projects.*

Revision of Section 107 - Responsibility for Damage Claims, (February 3, 2011) 1

Insurance Types, and Coverage Limits

*All projects.*

Revision of Section 107 – Warning Lights for Work Vehicles and Equipment (January 30, 2014) 1

*All projects.*

Revision of Sections 107 and 208 – Water Quality Control, Under One (April 30, 2015) 4

Acre of Disturbance

*Projects not having a Colorado Discharge Permit System (CDPS) Stormwater*

*Construction Permit (SCP) [Projects with less than one acre of disturbance].*

Revision of Section 108 – Delay and Extension of Contract Time (April 30, 2015) 2

*All projects.*

Revision of Section 108 – Liquidated Damages (May 2, 2013) 1

*All projects. (Only use this revised version on projects advertised on or after July 1, 2013.*

*Continue to use the* *December 29, 2011 version up to July 1, 2013).*

Revision of Section 108 – Notice to Proceed (July 31, 2014) 1

*All projects.*

Revision of Section 108 – Project Schedule (July 31, 2014) 6

*All projects.*

Revision of Section 108 – Subletting of Contract (January 31, 2013) 1

*All projects.*

Revision of Section 108 - Payment Schedule (Single Fiscal Year) (April 30, 2015) 1

*Projects which are expected to be completed in a single State fiscal year.*

Revision of Sections 108 and 109 - Payment Schedule (Multiple Fiscal Years) (April 30, 2015) 1

*Projects which are expected to require more than one State fiscal year to complete.*

Revision of Section 109 – Asphalt Cement Cost Adjustment (April 5, 2013) 2

(Asphalt Cement Included in the Work)

*Projects with items 403 Hot Mix Asphalt and/or 403 Stone Matrix Asphalt*

*in which the cost of Asphalt Cement (AC) is included in the work.*

*Note: This specification requires a Force Account item.*

Revision of Section 109 – Asphalt Cement Cost Adjustment (April 5, 2013) 2

(Asphalt Cement Paid Separately)

*Projects having pay item 411 - Asphalt Cement.*

*Note: This specification requires a Force Account item.*

Revision of Section 109 - Compensation for Compensable Delays (May 5, 2011) 1

*All projects.*

Revision of Section 109 – Fuel Cost Adjustment (February 3, 2011) 2

*All projects.*

Note: This specification requires a Force Account item.

Revision of Section 109 – Measurement of Quantities (February 3, 2011) 1

*All projects.*

Revision of Section 109 – Measurement of Water (January 06, 2012) 1

*All projects.*

Revision of Section 109 – Prompt Payment (January 31, 2013) 1

*All projects.*

Revision of Section 203 – Imported Material for Embankment (February 3, 2011) 2

*Projects* *having imported material as embankment for pipes.*

Revision of Sections 203, 206, 304 and 613 - Compaction (July 19, 2012) 2

*Projects having 203, 206, 304 and 613.*

Revision of Section 206 – Imported Material for Structure Backfill (July 19, 2012) 2

*Projects* *having imported material for structure backfill.*

Revision of Section 206 – Structure Backfill (Flow-Fill) (April 26, 2012) 2

*Projects having Structure Backfill.*

Revision of Section 206 – Structure Backfill at Bridge Abutments (January 30, 2014) 1

*Projects having bridge construction.*

Revision of Sections 206 and 601 – Backfilling Structures that Support (July 29, 2011) 1

Lateral Earth Pressures

*Projects* *having backfill for structures that support lateral earth pressures.*

Revision of Section 208 – Aggregate Bag (January 31, 2013) 1

*Projects having aggregate bags.*

Revision of Section 208 – Erosion Control Supervisor (April 30, 2015) 1

*Projects having erosion control, except those not having a Colorado Discharge Permit System (CDPS) Stormwater Construction Permit (SCP) (Projects with less than one acre of disturbance).*

Revision of Section 208 – Erosion Log (January 31, 2013) 1

*Projects having erosion logs.*

Revision of Section 212 – Seed (April 26, 2012) 1

*Projects having seed.*

Revision of Section 213 – Mulching (January 31, 2013) 4

*Projects having mulching.*

Revision of Section 216 – Soil Retention Covering (January 30, 2014) 6

*Projects having soil retention blanket or turf reinforcement mat.*

Revision of Section 250 – Environmental, Health and Safety Management (January 15, 2015) 14

*All projects.*

Revision of Sections 304 and 703 – Aggregate Base Course (RAP) (October 31, 2013) 1

*Projects having the pay item Aggregate Base Course (RAP). The Designer should contact the Region Materials Engineer to determine use.*

Revision of Section 401 – Compaction of Hot Mix Asphalt (April 26, 2012) 1

*Projects having any type of HMA.*

Revision of Section 401 – Compaction Pavement Test Section (CTS) (July 19, 2012) 1

Projects having any type of HMA.

Revision of Section 401 – Composition of Mixtures – Voids Acceptance (February 3, 2011) 1

Projects having voids acceptance of hot mix asphalt.

Revision of Section 401 – Plant Mix Pavements (February 3, 2011) 1

*Projects as determined by the Region.*

Revision of Section 401 – Reclaimed Asphalt Pavement (May 2, 2013) 2

*Projects with voids acceptance of hot mix asphalt, and on any other projects*

*as determined by the Region Materials Engineer.*

Revision of Section 401 – Temperature Segregation (February 3, 2011) 1

*Projects having Hot Mix Asphalt.*

Revision of Section 401 – Tolerances for Hot Mix Asphalt (Voids Acceptance) (January 6, 2012) 1

Projects having hot bituminous pavement when acceptance is based on asphalt content, voids in the mineral aggregate, air voids, and in-place density.

Revision of Section 401 and 412 – Safety Edge (May 2, 2013) 2

Projects having any type of roadway pavement.

Revision of Section 412 – Portland Cement Concrete Pavement Finishing (February 3, 2011) 1

Projects having portland cement concrete pavement.

Revision of Sections 412, 601, and 711 - Liquid Membrane-Forming (May 5, 2011) 1  
 Compounds for Curing Concrete

*Projects having any type of concrete construction.*

Revision of Sections 412 and 705 – Preformed Compression Seals (February 3, 2011) 2

Projects where it is necessary to use preformed compression seals in lieu of silicone sealant in concrete pavement joints, such as projects with fast track concrete.

Revision of Section 504 – Concrete Block Facing MSE Wall (February 3, 2011) 13

*Projects having concrete block facing MSE walls.* *Hybrid walls will be permitted,*

*unless otherwise stated by the Designer in the General Notes for the MSE Wall*

*Work Sheets.*

Revision of Section 504 – Concrete Panel Facing MSE Wall (February 3, 2011) 12

*Projects having concrete panel facing MSE walls. Hybrid walls will be permitted,*

*unless otherwise stated by the Designer in the General Notes for the MSE Wall*

*Work Sheets.*

Revision of Section 507 – Grouted Riprap Slope and Ditch Paving (November 6, 2014) 1

*Projects having grouted riprap slope and ditch paving.*

Revision of Section 507, 601, and 606 – Macro Fiber-Reinforced Concrete (May 2, 2013) 1

*Projects having macro fiber-reinforced concrete.*

Revision of Section 510 – Structural Plate Structures (February 3, 2011) 1

*Projects having steel or aluminum plate structures.*

Revision of Section 512 – Bearing Device Testing (November 6, 2014) 1

*Projects having elastomeric bearings.*

Revision of Section 518 - Bridge Expansion Device (October 31, 2013) 1

*Projects having bridge expansion devices.*

Revision of Section 601 – Class H and HT Bridge Deck Concrete (May 16, 2013) 4

*Projects having* *Class H or HT concrete.*

Revision of Section 601 – Concrete Batching (February 3, 2011) 1

*Projects having* *any type of concrete construction.*

Revision of Section 601 – Concrete Finishing (February 3, 2011) 1

*Projects having* *any type of concrete construction.*

Revision of Section 601 – Concrete Form and Falsework Removal (July 28, 2011) 2

*Projects having* *any type of concrete construction.*

Revision of Section 601 – Concrete Slump Acceptance (July 29, 2011) 1

*Projects having* *any type of concrete construction.*

Revision of Section 601 – Depositing Concrete Under Water (May 2, 2013) 1

*Projects having* *concrete construction under water.*

Revision of Section 601 - Entrained Air of Class BZ Concrete (April 30, 2015) 1

*Projects having any type of concrete construction.*

Revision of Section 601 – Fiber-Reinforced Concrete (May 2, 2013) 1

*Projects having* *any type of fiber-reinforced concrete.*

Revision of Section 601 – QC Testing Requirements for Structural Concrete (May 8, 2014) 1

*Projects having* *any type of structural concrete construction.*

Revision of Section 601 – Structural Concrete Strength Acceptance (April 30, 2015) 1

*Projects having any type of concrete construction.*

Revision of Sections 601 and 701 – Cements and Pozzolans (November 6, 2014) 4

*Projects having any type of concrete construction.*

Revision of Section 603 – Culvert Pipe Inspection (October 2, 2014) 1

*Projects having culvert pipe.*

Revision of Sections 603, 624, 705, 707, and 712 – Drainage Pipe (April 30, 2015) 3

*Projects having any type of culvert pipe.*

Revision of Section 612 – Delineators (February 3, 2011) 1

*Projects having* *delineators.*

Revision of Section 612 – Flexible Delineators (July 19, 2012) 1

*Projects having* *flexible delineators.*

Revision of Sections 613 and 715 – LED Roadway Luminaire (January 30, 2014) 5

*Projects having light emitting diode (LED) roadway luminaires.*

Revision of Section 614 – Accessible Pedestrian Signal (November 1, 2012) 3

*Projects having accessible pedestrian signals.*

Revision of Section 614 – Blank Out Sign (LED) (Speed Radar) (Dec. 29, 2011) 6

*Projects having blank out signs, with speed radar capability.*

Revision of Section 614 – Pedestrian Push Button Assembly (July 19, 2012) 1

*Projects having post mounted pedestrian push buttons.*

Revision of Section 618 – Prestressed Concrete (April 26, 2012) 24

*Projects having prestressed concrete members.*

Revision of Section 620 – Field Laboratories with Ignition Furnace (February 3, 2011) 1

*Projects having Stone Matrix Asphalt (SMA).*

Revision of Section 627 and 708 – Pavement Marking Paint (January 31, 2013) 2

*Projects having pavement marking paint.*

Revision of Section 630 - Emergency Pull-off Area (Temporary) (May 5, 2011) 1

*Projects having temporary emergency pull-off areas during construction.*

Revision of Section 630 – Mobile Pavement Marking Zone (Group 1 without Attenuator) (February 3, 2011) 1

*Use this special provision in long striping projects having a mobile pavement marking zone in which a truck mounted impact attenuator is not required for Group 1 (roadways having AADT less than 2000).*

*The use of the lump sum item is generally used in longer or region-wide projects. The day pay item is generally used in smaller projects.*

Revision of Section 630 – Retroreflective Sign Sheeting (May 8, 2014) 1

*All projects.*

Revision of Section 630 - Rolling Roadblock (November 1, 2012) 2

*Projects having rolling roadblocks.*

Revision of Section 630 - Temporary Portable Rumble Strip (May 5, 2011) 1

*Projects when the Region Traffic Engineer recommends the use of temporary rumble strips for construction traffic control.*

Revision of Section 702 – Hot Poured Joint and Crack Sealant (Sept. 29, 2011) 1

*Projects having hot poured joint and crack sealant.*

Revision of Section 703 - Aggregate for Bases (October 31, 2013) 1

*Projects which allow recycled asphalt pavement (RAP) to be incorporated*

*into the aggregate base course mix.* *The Designer should contact*

*the Region Materials Engineer (RME) to determine use.*

Revision of Section 703 - Aggregate for Bases (Without RAP) (October 31, 2013) 1

*Projects which do not allow recycled asphalt pavement (RAP) to be incorporated*

*into the aggregate base course mix. The Designer should contact*

*the Region Materials Engineer (RME) to determine use.*

Revision of Section 703 – Aggregate for Hot Mix Asphalt (November 1, 2012) 2

*Projects having Hot Mix Asphalt (HMA).*

Revision of Section 703 – Aggregate for Stone Matrix Asphalt (April 26, 2012) 1

*Projects having stone matrix asphalt (SMA).*

Revision of Section 703 – Concrete Aggregate (July 28, 2011) 1

*Projects having* *any type of concrete construction.*

Revision of Section 703 – Mineral Filler (May 8, 2014) 1

*Projects having stone matrix asphalt (SMA).*

Revision of Section 712 – Geotextiles (November 1, 2012) 2

*Projects having having geotextiles or geosynthetics.*

Revision of Section 712 – Water for Mixing or Curing Concrete (February 3, 2011) 1

*Projects having any type of concrete construction.*

Revision of Section 713 - Epoxy Pavement Marking (January 15, 2015) 2

*Projects having epoxy pavement marking.*

Revision of Section 713 – Reflectors for Delineators and Median Barrier (May 2, 2013) 1

*Projects having reflectors for delineators and median barrier.*

Revision of Section 713 – Sign Panel Backgrounds (November 6, 2014) 1

*Projects with sign panels.*

Affirmative Action Requirements – Equal Employment Opportunity (February 3, 2011) 10

*All projects.*

Disadvantaged Business Enterprise (DBE) Requirements (Dec. 26, 2013) 9

*Required on all partially or wholly funded Federal-Aid Design-Bid-Build projects.*

*This should be used in conjunction with the revised project special provision worksheet,*

*“Disadvantage Business Enterprise (DBE) Contract Goal”.*

FASTER Monthly Employment Report (May 2, 2013) 1

*Projects that are in part or wholly funded by the Funding Advancements for Surface Transportation and Economic Recovery (FASTER) legislation.*

Minimum Wages, Colorado, (January 9, 2015) 10

U.S. Department of Labor General Decision Number CO150016,

Highway Construction for Adams, Arapahoe, Broomfield, Clear Creek, Elbert, Gilpin, Jefferson, and Park counties.

*All federal-aid projects with contracts exceeding $2000, except for non-ARRA projects on roadways classified as local roads or rural minor collectors, which are exempt. Projects on local roads, rural minor collectors, and enhancement projects funded with ARRA funds are not exempt.*

Minimum Wages, Colorado, (January 9, 2015) 4

U.S. Department of Labor General Decision Number CO150017,

Highway Construction for Boulder county.

*All federal-aid projects with contracts exceeding $2000, except for non-ARRA projects on roadways classified as local roads or rural minor collectors, which are exempt. Projects on local roads, rural minor collectors, and enhancement projects funded with ARRA funds are not exempt.*

Minimum Wages, Colorado, (January 9, 2015) 6

U.S. Department of Labor General Decision Number CO150018,

Highway Construction for El Paso, Pueblo, and Teller counties.

*All federal-aid projects with contracts exceeding $2000, except for non-ARRA projects on roadways classified as local roads or rural minor collectors, which are exempt. Projects on local roads, rural minor collectors, and enhancement projects funded with ARRA funds are not exempt.*

Minimum Wages, Colorado, (January 9, 2015) 7

U.S. Department of Labor General Decision Number CO150019,

Highway Construction for Denver and Douglas counties.

*All federal-aid projects with contracts exceeding $2000, except for non-ARRA projects on roadways classified as local roads or rural minor collectors, which are exempt. Projects on local roads, rural minor collectors, and enhancement projects funded with ARRA funds are not exempt.*

Minimum Wages, Colorado, (January 9, 2015) 5

U.S. Department of Labor General Decision Number CO150020,

Highway Construction for Baca, Bent, Costilla, Crowley, Huerfano, Kiowa, Las Animas, Otero, and Prowers counties.

*All federal-aid projects with contracts exceeding $2000, except for non-ARRA projects on roadways classified as local roads or rural minor collectors, which are exempt. Projects on local roads, rural minor collectors, and enhancement projects funded with ARRA funds are not exempt.*

Minimum Wages, Colorado, (January 9, 2015) 6

U.S. Department of Labor General Decision Number CO150021,

Highway Construction for Cheyenne, Kit Carson, Lincoln, Logan, Morgan, Phillips, Sedgwick, Washington, and Yuma counties.

*All federal-aid projects with contracts exceeding $2000, except for non-ARRA projects on roadways classified as local roads or rural minor collectors, which are exempt. Projects on local roads, rural minor collectors, and enhancement projects funded with ARRA funds are not exempt.*

Minimum Wages, Colorado, (January 9, 2015) 9

U.S. Department of Labor General Decision Number CO150022,

Highway Construction for Alamosa, Archuleta, Chaffee, Conejos, Custer, Delta, Dolores, Fremont, Gunnison, Hinsdale, La Plata, Mineral, Montezuma, Montrose, Ouray, Rio Grande, Saguache, San Juan, and San Miguel counties.

*All federal-aid projects with contracts exceeding $2000, except for non-ARRA projects on roadways classified as local roads or rural minor collectors, which are exempt. Projects on local roads, rural minor collectors, and enhancement projects funded with ARRA funds are not exempt.*

Minimum Wages, Colorado, (January 9, 2015) 8

U.S. Department of Labor General Decision Number CO150023,

Highway Construction for Eagle, Garfield, Grand, Jackson, Lake, Moffat, Pitkin, Rio Blanco, Routt and Summit counties.

*All federal-aid projects with contracts exceeding $2000, except for non-ARRA projects on roadways classified as local roads or rural minor collectors, which are exempt. Projects on local roads, rural minor collectors, and enhancement projects funded with ARRA funds are not exempt.*

Minimum Wages, Colorado, (January 9, 2015) 7

U.S. Department of Labor General Decision Number CO150024,

Highway Construction for Larimer, Mesa, and Weld counties.

*All federal-aid projects with contracts exceeding $2000, except for non-ARRA projects on roadways classified as local roads or rural minor collectors, which are exempt. Projects on local roads, rural minor collectors, and enhancement projects funded with ARRA funds are not exempt.*

On the Job Training (July 29, 2011) 3

*Use in all Federal-aid projects.*

*Funding shall be included for the number of hours of OJT Training that is required as a separate force account. Please contact the Region EO Office for details.*

Partnering Program (February 3, 2011) 1

*All projects.*

Note: This specification requires a Force Account item for partnering cost.

Railroad Insurance (February 3, 2011) 1

*Projects that require railroad insurance.*

Required Contract Provisions – Federal-Aid Construction Contracts (October 31, 2013) 14

*Federal aid projects.*

Special Construction Requirements, Fire Protection Plan (November 1, 2012) 2

*Used in all projects, except those that are in urban areas or located along irrigated farmlands, as determined*

*by the Resident Engineer.*

INSTRUCTIONS TO DESIGNERS (delete these instructions and the instructions that follow each listed standard special provision from the final draft):

♦ Type in the project location here.

The above is a complete list of standard special provisions. Each standard special provision is followed by an instruction on its appropriate use. Each instruction can be interpreted by the words “Use on…”. (For

example: “Use on All projects”.) For complete instructions on the use of a standard special provision, refer to the transmittal letter with the same date as the standard special provision. Use only those standard special provisions applicable to the project. Delete from the final draft the listings of standard special provisions which do not apply to the project.