

## **500 Series Changes 2014 Standard Specifications**

### Item 500 – Mobilization

- Merged special provision 500-011
- Added sentence to Description that bonds and insurance are part of mobilization. Intended to address some interpretations in the field that the cost of bonds and insurance were not counted to “adjusted Contract amount.”
- Removed “work includes all submissions” from Description. Subcommittee did not see need for this language.
- Removed SP language about “combined payment for bonds and insurance exceeding 10% of mobilization or 1% of contract
- The last paragraph under Payment was added by special provision and says “Payment for the remainder of the lump sum bid for “Mobilization” will be made after all submittals are received, final quantities have been determined and when any separate vegetative establishment and maintenance, test, and performance periods provided for in the Contract have been successfully completed. The subcommittee requests that CST issue guidance that this does not apply to contracts with extended maintenance or performance periods. Possibly put in Guidance Document to be on TxDOT web site for designers.

### Item 502 – Barricades, Signs, and Traffic Handling

- Did not merge special provision 502-006 (optional for maintenance contracts)
- Merged special provision 502-033
- Initial concept was to expand the spec to address new FHWA regulation on Transportation Management Plans. A TMP adds a “Transportation Operations” and a “Public Information” component to the standard Traffic Control Plan for “significant projects” (as defined in the regulations). After considerable discussion, TxDOT, FHWA, and AGC agreed that development of transportation operations and public information components is the responsibility of the designer and that details would be shown on the plans with a likely one-time use special provision. Accordingly, item 502 stays basically a TCP spec.
- Added the requirement for a contractor to designate an alternate to the Contractor Responsible Person (CRP) in case the primary CRP is not available to respond to an emergency.
  - Added a requirement that the CRP be trained as a traffic control supervisor
  - Listed MPL with approved training
- Deleted reference to specific training providers for contractor’s flagging supervisor and referenced MPL for approved training. (MPL may still be in development by TRF).
- Added section about law enforcement officers involved in work zone
  - Must be certified through TxDOT-approved training. (Response to new FHWA regulation).
  - MPL will list approved training.
  - Currently 2-hour on-line, free course from NHI is one option

- Added section about contractor’s work zone traffic control personnel
  - Must be certified through TxDOT-approved training. (Response to new FHWA regulation).
  - MPL will list training
  - General agreement to allow contractor-developed training approved by TxDOT (TRF). Working on this language.

#### Item 504 – Field Office and Laboratory

- No special provisions to merge
- Added language about exclusive use of the Engineer and inspection staff and deleted language about contractor using part of the field office space.
- Added fire extinguisher and smoke detector to lab space
- Requires internet connectivity, printer/scanner/fax/copier, and telephone if shown on the plans
- Deleted reference to DMS-10101, “Computer Equipment” since DMS is out of date
- Deleted reference to Asphalt by Extraction from Type D structure (Asphalt Lab). Extractions not run per poll of Districts.

#### Item 506 – Temporary Erosion, Sedimentation, and Environmental Controls

- Converted Special Spec 1122 to Item 506
- Merged Special Provision 1122-001
- Will re-issue Special Provision 1122-002 for select projects as a 506-XXX special provision
- Added requirement to select devices from the “Erosion Control Approved Products” or “Sediment Control Approved Products” lists
- Daily reports are no longer required in certain cases
  - When time is suspended and no work is occurring, unless a rain event occurs
  - Contract non-working days
- Deleted sample certification at the end of the spec

#### Item 508 – Constructing Detours

- No special provisions to merge
- Deleted measurement and payment by the “100-foot station” and “each”
  - Station and each rarely used
  - Only measured and paid by the sy
  - EBSS (Embankment Base Surface Separate) stayed as an option

#### Item 510 – One-Way Traffic Control

- No special provisions to merge
- Added Flagger Control option as allowed by TMUTCD
  - Automated Flagger Assist Devices may be used if approved
  - Paid by the hour for each flagger
- Added Portable Traffic Signal method

- Approved units are on the *Compliant Work Zone Traffic Control Device List*
- Paid by the month, 2 units operated by a single controller
- Kept pilot car and flagger method

Item 512 – Portable Concrete Traffic Barrier

- Merged special provision 512-002
- Added Items 420 and 424 as material references
- Deleted all references to “safety shape” barrier. No longer used.

Item 514 – Permanent Concrete Traffic Barrier

- Merged special provision 514-002
- Added Items 416 and 424 as material references

Item 520 – Weighing and Measuring Equipment

- No special provisions to merge
- No changes

Item 528 – Colored Textured Concrete and Landscape Pavers

- Merged special provision 528-010 (Department-furnished pavers)
- Merged special specification 5926 (remove and relay pavers)
- Allow fibers to replace reinforcing steel in Class A concrete when approved

Item 529 – Concrete Curb, Gutter, and Combined Curb and Gutter

- No special provisions to merge
- Allow fibers to replace reinforcing steel in Class A concrete when approved
- Added grade and alignment tolerance of ¼” in 10’
- Changed “surface preparation of base” to “surface preparation of curb foundation” under payment

Item 530 – Intersections, Driveways, and Turnouts

- Merged special provision 530-006 (removes reference to surface types under Payment)
- Deleted option to measure and pay by the “each.” Only option is “square yard”
- Deleted language about applicability of ride quality and bonuses/penalties

Item 531 – Sidewalks

- Merged special provision 531-006 (curb ramps measured by square yard or each)
- Deleted payment of sidewalks by the foot. Only method is the square yard. SY measurement preferred overwhelmingly based on 12-month average
- Under Payment, changed “surface preparation of base” to “surface preparation of sidewalk foundation”

#### Item 533 – Shoulder Texturing

- Changed title from “Shoulder Texturing” to “Milled Rumble Strips”
- Merged special provision 533-014 (measurement by the foot instead of the 100 foot station to show each shoulder measured separately)
- Eliminated option for rolled-in rumble strips
- Deleted dimensions and added language “as shown on the plans.” Dimensions are on the standard drawings.
- Added language about uniform positioning, well defined edges, smooth interior finish, snagging or tearing the finished pavement, and dust control during grinding operations.

#### Item 536 – Concrete Medians and Directional Islands

- No special provisions to merge
- Allow fibers to replace reinforcing steel in Class A concrete when approved
- Allow metal float in addition to wood float.

#### Item 538 – Right of Way Markers

- No special provisions to merge
- Allow fibers to replace reinforcing steel in Class A concrete when approved

#### Item 540 – Metal Beam Guard Fence

- Merged special provision 540-031 (new hardware and posts for 31” system)
- Deleted references to composite posts. Currently not available. Kept composite blocks

#### Item 542 – Removing Metal Beam Guard Fence

- No special provisions to merge

#### Item 544 – Guardrail End Treatments

- Merged special provision 544-001 (post and type may be specified in the bid code)

#### Item 545 – Crash Cushion Attenuators

- No special provisions to merge
  - Special provision 545-001 was subsequently issued (January 17, 2014) as a one-time use until approved for statewide use. It added Table 1, listing 3 categories of attenuator with approved manufacturers shown. Table 1 is being moved to the standard sheet, so the table is removed from the new spec.
- Expanded Payment section with more detail on what is covered for Furnish and Install, Designated Source, Move and Reset, Stockpile, and Remove.

#### Item 550 – Chain Link Fence

- No special provisions to merge
- Updated ASTM references and materials

Item 552 – Wire Fence

- No special provisions to merge
- Deleted treated fir posts. No longer available.

Item 556 – Pipe Underdrains

- No special provisions to merge
- Changed test procedure for bituminous-coated corrugated steel pipe from TEX-522 to ASTM A849

Item, 560 – Mailbox Assemblies

- Merged special provision 560-001 (modify payment to allow designer to specify support type)
- Clarified that a mailbox assembly does not include the mailbox. TxDOT policy is that the postal patron must furnish a mailbox on the State Highway System.

Item 585 – Ride Quality for Pavement Surfaces

- No special provisions to merge
- Added an option to use a high-speed or lightweight inertial profiler, certified at the Texas Transportation Institute to Surface Test, Type A.
- Included areas between leave-outs less than 100' to the definition of leave-outs
- Deleted Table 1 values from evaluation of Surface Test Type B.
- Notes that no corrective action is required for Schedule 3 under IRI Deficient 0.1 mile sections
- Notes that bonus in table 1 applies when successful corrective action improves IRI of a IRI deficient 0.1 mile section