Additional Special Provision 6 (ASP-6-P)
Modifications to the 2027 Specification Reorganization Pilot Edition

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Additional Special Provision 6-P (ASP-6-P)
Modifications to the 2027 Specification Reorganization Pilot Edition

Make the following revisions to the "2027 Specification Reorganization Pilot Edition" of the standard specifications.

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420 Diamond Grinding

420.3.4 Residue Disposal

Replace subsection with the following effective with the November 2026 letting.

(1) Remove solid and liquid grinding residues from the roadway by vacuuming. Leave the roadway in a clean, damp condition immediately behind the grinding machine. Remove residue immediately in areas of cross traffic. Do not allow residue and water to flow or blow across lanes used by public traffic.

(2) Do not allow solid and liquid grinding residues to enter any storm sewer, waterway, wetland, or other drainage conveyance system.

(3) Contractor is responsible for the disposal of solid and liquid grinding residues. Dispose of solid and liquid grinding residues in accordance with regulatory requirements at an acceptable disposal site. Perform all necessary coordination with the regulatory agency and disposal site owners and operators.

(4) Submit disposal methods and proposed disposal site information with the ECIP.

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506 Steel Bridges

506.3.2 Shop Drawings

Replace paragraph (2) with the following effective with the November 2026 letting.

(2) Submit shop drawings to the engineer conforming to 105.2 with electronic submittal to the fabrication library under 105.2.2. Also certify that shop drawings conform to quality control standards before fabrication by submitting department form DT2333 for primary members and department form DT2327 for fabricated bridge components with each set of shop drawings. Department review does not relieve the contractor from responsibility for errors or omissions on shop drawings. Shop drawings for drainage systems do not need to be submitted to the fabrication library under 105.2.2.

(3) Shop drawings are part of the contract. The department must approve differences between shop drawings and contract plans. The contractor bears the costs of department-approved substitutions. Do not deviate from or revise drawings without notifying the department and resubmitting revised drawings and an updated department form DT2333 and DT2327 for primary members and fabricated bridge components respectively.

506.3.4.2 Camber

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) If the plans show, camber rolled beams conforming to a uniform, approximately circular curve for the entire length of the beam or between designated points. Ensure the camber is within the tolerance specified in the current editions of the American Institute of Steel Construction Manual and AWS D1.5 Bridge Welding Code.

506.3.19 Welding

506.3.19.3 Procedure Qualifications

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) Ensure that procedure qualifications conform to Clause 7 of AWS D1.5 (2025).

506.3.19.4 Welding Inspection

Add paragraph (3) effective with the November 2026 letting.

(3) Ensure fabrication and inspection for soldier pile walls with tie back anchors follow the requirements of the current edition of AWS D1.1 Structural Welding Code, modified as follows:

- Test all welds for surface and near-surface discontinuities using magnetic particle testing according to ASTM E709, utilizing the yoke method.

506.3.20 Stud Shear Connectors

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) Use studs for shear connectors if the plans show. Weld conforming to Clause 9 of AWS D1.5 (2025) except as follows:

1. Fillet welds varying in size from 3/16 to 5/16 inch are satisfactory provided the studs pass other required tests. Make adequate provision in structural member fabrication to compensate for camber loss due to shear connector welding.
2. Ensure the studs are free from rust, scale, rust pits, and oil at the time of welding and immediately before placing the concrete.
3. Longitudinal and lateral spacing of studs with respect to each other and to edges of beam or girder flanges must not vary more than 1/2 inch from the dimensions the plans show, except that the engineer will allow a variation of one inch if required to avoid obstruction of other attachments on the beam, or if welding a new stud to replace a defective one. Ensure a minimum distance from the edge of a stud shank to the edge of a beam or plate of one inch exists, but preferably 1 1/2 inch or more.
4. Notify the engineer promptly of any changes in the welding procedure at any time during construction.
5. If welding the studs reduces their height to less than normal, immediately stop welding and do not resume until correcting the cause.
6. After welding the studs to the beams, perform a visual inspection and give each stud a light blow with a hammer. Bend test studs without a complete 360-degree end weld, studs that do not ring when given a light blow with a hammer, studs repaired by welding, or studs reduced to less than normal in height due to welding. The bend test consists of bending the stud 15 degrees from its correct installation axis by striking with a hammer. In cases of a defective or a repaired weld, bend the stud in the direction that places the weld's defective portion in the greatest tension. Replace studs that crack either in the weld or in the shank.
7. The engineer may select additional studs to subject to the bend test specified in item 6 above.

506.3.32 Painting Metal

Replace subsection with the following effective with the November 2026 letting.

(1) The steel fabricator performing the coating application must demonstrate qualification by obtaining the AISC Complex Coating Endorsement (CCE), or a quality certification system acceptable to the Engineer and a Quality Manual (QM) that is acceptable to the Engineer.

(2) Unless the contract provides otherwise, apply 3 coats of paint to structural steel and ferrous metal products. Furnish and apply paints according to the epoxy system or as specified in the special provisions. The requirements for this system are set forth in 517.

(3) For structural steel, including weathering steel, and miscellaneous metals that will be encased in concrete, paint as specified in 517.3.1.

(4) For galvanized surfaces paint as specified in 517.3.1.

(5) Use the 3-coat epoxy system to paint the end 6 feet of structural weathering steel at the abutments, the 6 feet on each side of piers, joints, downspouts, hinges, and galvanized bearings in contact with weathering steel. Use a coat of brown urethane matching AMS Standard 595A: AMS-STD 20059. Apply one coat of zinc-rich paint to surfaces of expansion joint assemblies and other surfaces not in contact with the weathering steel but inaccessible after assembly or erection.

(6) Do not paint structural steel to be welded before completing welding. If welding only in the fabricating shop and subsequently erecting by bolting, coat it after completing shop welding. Apply one coat of weldable primer or other engineer-approved protective coating to steel surfaces to be field welded after completing shop welding and shop fabrication. Protect machine-finished surfaces that do not receive a paint or galvanizing from contamination during the cleaning and painting process.

(7) Upon fabrication and acceptance, coat pins and pinholes with a plastic or other engineer-approved coating before removing from the shop.

(8) Mark members weighing 3 tons or more with their weights on areas that will be encased in concrete, or paint with a compatible paint on zinc-rich primer, or mark with soapstone on an epoxy-coated surface. Wait until material is dry, inspected, and approved for shipment before loading for shipment.

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513 Railing

513.3 Construction

513.3.5 Welding

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) Weld railing as the plans show and conforming to the following:

For steel railing: AWS D1.1, Structural Welding Code (current edition).

For aluminum railing: AWS D1.2, Structural Welding Code - Aluminum.

608 Storm Sewer

608.4 Measurement

608.4.2 Rock Excavation for Storm Sewer

Replace paragraph (3) with the following effective with the November 2026 letting.

(3) The department will measure this work vertically from the top of the rock to the bottom of the rock, or to an elevation 6 inches below the bottom of the pipe or storm sewer structure, whichever is higher. The department will measure this work horizontally as the outside diameter of the pipe or outside dimension of the structure, plus 3 feet, 1 1/2 feet on either side, regardless of actual width required under 608.3.1.1.

611 Catch Basins, Manholes, and Inlets

611.4 Measurement

Add paragraph (2) to the subsection effective with the November 2026 letting.

(1) The department will measure the bid items under this section as each individual unit acceptably completed.

(2) The department will measure rock excavation as specified for storm sewer rock excavation in 608.4.

611.5 Payment

611.5.1 General

Add paragraph (2) to the subsection effective with the November 2026 letting.

(2) The department will pay separately for rock excavation as specified for storm sewer rock excavation in 608.4.

643 Traffic Control

643.1 Description

Replace paragraph (1) with revised information effective with the November 2026 letting.

(1) This section describes providing, maintaining, repositioning, and removing temporary traffic control devices as follows:

Drums	Warning lights	42-inch cones
Barricades type III	Connected arrow boards	Portable changeable message signs
Flexible tubular markers	Signs	Channelizing curb system
Speed feedback trailers	Connected work zone end location marker	

643.2 Materials

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) Provide materials as specified in:

General Materials	701
Sign Sheeting	724.1
Pavement Marking	724.3
Drums	727.1
Traffic Control Cone – 42-Inch Assemblies	727.1
Flexible Tubular Markers	727.1
Traffic Channelizing Curb System	727.1
Barricades (Types III)	727.2
Sign Stands	727.2
Truck & Trailer Mounted Attenuators	727.3
Connected Arrow Boards	727.4
Portable Changeable Message Signs (PCMS)	727.4
Speed Feedback Trailers	727.4
Warning Lights (Types A, B, C)	727.5
Automated Flagger Devices	727.5
Temporary Portable Rumble Strips	727.5
Connected Work Zone End Location Markers	727.5

Work Zone Signs 727.6
Standard Bolts, Nuts, and Washers (Nylon Washers) 728.3

643.3.10 Connected Work Zone Location Marker

Replace subsection with revised subsection title and text information effective with the November 2026 letting.

(1) Place work zone location marker at the end of the work zone per plan or as the engineer directs. Clearly label the work zone end location marker so that it is easily distinguishable by field personnel.

(2) Ensure the connected work zone location marker operates continuously when deployed on the project.

(3) Ensure the work zone location marker and connected arrow board are from the same manufacturer.

(4) When the work zone end location marker is switched to the ON mode, verify the location marker transmits location and identity as end marker to the data feed.

(5) Switch the work zone end location marker to OFF mode when temporary traffic control is removed, and the normal traveled way is restored.

643.5 Payment

643.5.1 General

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) The department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
643.0300	Traffic Control Drums	DAY
643.0420	Traffic Control Barricades Type III	DAY
643.0500	Traffic Control Flexible Tubular Marker Posts	EACH
643.0600	Traffic Control Flexible Tubular Marker Bases	EACH
643.0650	Traffic Control Channelizing Curb System	LF
643.0700 - 0799	Traffic Control Warning Lights (type)	DAY
643.0810	Traffic Control Connected Arrow Boards	DAY
643.0900	Traffic Control Signs	DAY
643.0910	Traffic Control Covering Signs Type I	EACH
643.0920	Traffic Control Covering Signs Type II	EACH
643.1000	Traffic Control Signs Fixed Message	SF
643.1050	Traffic Control PCMS	DAY
643.1051	Traffic Control PCMS with TMC Communications	DAY
643.1070 - 1079	Traffic Control Cones (height)	DAY
643.1222	Traffic Control Connected Work Zone End Location Marker	DAY
643.1500	Traffic Control Speed Feedback Trailer	DAY
643.3100 - 3299	Temporary Marking Line (material/type) (width)	LF
643.3300 - 3399	Temporary Marking Crosswalk (material) 6-Inch	LF
643.3500 - 3599	Temporary Marking Arrow (material)	EACH
643.3600 - 3699	Temporary Marking Word (material)	EACH
643.3700 - 3799	Temporary Marking Raised Pavement Marker (type)	EACH
643.3800 - 3899	Temporary Marking Stop Line (material) 18-Inch	LF
643.3900 - 3959	Temporary Marking Diagonal (material) 12-Inch	LF
643.3960 - 3999	Temporary Marking Removable Mask Out Tape (width)	LF
643.4100	Traffic Control Interim Lane Closure	EACH
643.5000	Traffic Control	EACH

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646 Pavement Marking

646.3.1.5 Marking Acceptance

Replace paragraph (4) with the following effective with the November 2026 letting.

(4) Remove and replace all marking in sections with failing initial retroreflectivity. Remove and replace marking that the engineer deems improperly constructed. Remove existing marking in the groove before replacement.

If post-acceptance inspections uncover evidence of defective material or improper construction, the department may revoke acceptance under 105.11.2.3.

646.3.2 Long Line Marking

646.3.2.4 Black Epoxy

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) Apply black epoxy in a grooved slot directly after the white marking. Apply epoxy at a wet mil thickness of 20. Apply black aggregate or glass beads at or exceeding 25 pounds per gallon of epoxy.

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650 Construction Staking

650.3.12 Supplemental Control Staking

Replace paragraph (2) with the following effective with the November 2026 letting.

(2) Document and provide to the engineer complete descriptions and reference ties of the control points, alignment points, and benchmarks to allow for quick reestablishment of the plan data at any time during construction and upon project completion. Document additional control as described in CMM 710, table 710-1.

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702 Aggregates

702.4 Base, Subbase, and Subgrade Aggregates

702.4.3.2.8 Payment Adjustment

Replace paragraph (2) with the following effective with the November 2026 letting:

(2) The department will calculate pay reductions for dense- and open-graded base aggregate with nonconforming gradation and fracture. The pay reduction percentage as specified in table 702-23 will be applied to the nonconforming quantity that remains in place using a unit price of $15/TON and $30/CY. The department will administer a 50 percent pay reduction for base aggregate with nonconforming plasticity or liquid limit that remains in place.

TABLE 702-23 PAY REDUCTIONS FOR NONCONFORMING DENSE-GRADED AND OPEN-GRADED BASE

% PAY REDUCTION	NONCONFORMING GRADATION		NONCONFORMING FRACTURE
	NO 200 SIEVE	SIEVES OTHER THAN NO 200	
5% to 10%	<= 1.5%	<= 3%	<= 5%
10% to 20%	> 1.5% to <= 3%	> 3% to <= 5%	> 5% to <= 10%
SIGNIFICANTLY OUT OF SPEC.[1]			
20% to 40%	> 3%	> 5%	> 10%

[1] The project engineer may assess pay reductions for individual QC or QV test results that are significantly out of spec even if the running average is within spec limits.

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707 Concrete, Mortar, and Grout

707.1 General Concrete Requirements

707.1.7.2 Nonconforming Concrete Mixture Air Content

Replace paragraph (1) and Table 707-16 with the following effective with the November 2026 letting.

(1) Table 707-16 defines the price reduction per sublot for a nonconforming air content material property. The following unit prices shall be used in pay adjustment equations specified in table 707-16:

- Category I: $55 per SY
- Categories II and III: $350 per CY.

TABLE 707-16 PRICE REDUCTIONS FOR NONCONFORMING AIR CONTENT

LIMITS (%)		PAY FACTOR (PF) [1]	PAY ADJUSTMENT ($) [2]
Above Specification [3]	0.1 and above	$(0.15 \times ASL^2) + (0.125 \times ASL)$	PF x Quantity (SY or CY) x Unit Price
Below Specification	>= 0.1 to =< 1.0	$(0.30 \times BSL^2) + (0.02 \times BSL)$	PF x Quantity (SY or CY) x Unit Price
	1.1 and below	50 or remove and replace	0.5 x Quantity (SY or CY) x Contract Unit Price

[1] ASL = % air content above specification limit.
BSL = % air content below specification limit.

[2] "Unit price" is specified in 707.1.7.2(1).

[3] Evaluate the strength data. If the strengths are acceptable, do not assess a price reduction for high air content. Contractor is responsible for providing additional strength data, if necessary.

707.2 Concrete Category I (Pavement)

707.2.3 Department Sampling, Testing, and Documentation

Replace paragraph (3) and Table 707-28 with the following effective with the November 2026 letting.

(3) The department will test the material properties as specified in table 707-28 at the given frequency. Testing will be performed for each specified property, using a single sample randomly located within each lot.

TABLE 707-28 CONCRETE CATEGORY I (PAVEMENT) QV SAMPLING AND TESTING

MATERIAL PROPERTY	QV TESTING FREQUENCY
Compressive Strength (WTM T22)	1 / Lot
Flexural Strength (WTM T97)	
Slump (WTM T119)[1]	
Air Content (WTM T152 or WTM T395)	
Concrete Temperature (WTM T309)	
Surface Resistivity (WTM T358)[2]	1 / 5 Lots
Aggregate Gradation Testing (WTM T27)	One test per placement day for first 2 days of placement. If all samples are passing, reduced testing frequency is applied.
	Reduced frequency: One test per calendar week of placement.

[1] Slump for concrete placed by slip-form methods is not required unless the engineer requests.

[2] Required for contracts with 20,000 square yards or more of concrete pavement. Surface resistivity testing not required for lots with less than 3 sublots and concrete pavement approach slab.

707.3 Concrete Category II (Structure)

707.3.3 Department Sampling, Testing, and Documentation

Replace paragraph (3) and Table 707-32 with the following effective with the November 2026 letting.

(3) The department will test the material properties as specified in table 707- at the given frequency. Testing will be performed for each specified property, using a single sample randomly located within each lot.

TABLE 707-32 CONCRETE CATEGORY II (STRUCTURES) QV SAMPLING AND TESTING

MATERIAL PROPERTY	QV TESTING FREQUENCY
Compressive Strength (WTM T22)	1 / Lot
Slump (WTM T119)[1]	
Air Content (WTM T152 or WTM T395)	
Concrete Temperature (WTM T309)	
Surface Resistivity (WTM T358)[2]	1 / 5 Lots
Aggregate Gradation (WTM T27)[3,4,5]	One test per 250 CY placed, maximum one test per day. Minimum of one test per contract for substructure. Minimum of one test per contract for superstructure.

[1] Slump for concrete placed by slip-form methods is not required unless the engineer requests.

[2] Required for contracts with 500 cubic yards or more of concrete masonry. Surface resistivity testing not required for lots with less than 3 sublots, concrete masonry culverts or concrete masonry retaining walls.

[3] Aggregate gradation testing must be performed on a per contract basis. If multiple structures are on the same contract and use the same aggregate source, then the samples must be collected based on cumulative concrete contract quantities within the same category.

[4] WTM T255 (Fine and Coarse) required for each aggregate sample.

[5] Calculate trial batch weights for each mix design when production begins and whenever the moisture content of the fine or coarse aggregate changes by more than 0.5 percent, adjust the batch weights to maintain the design w/cm ratio.

707.4 Concrete Category III (Cast-in-Place-Barrier)

707.4.3 Department Sampling, Testing, and Documentation

Replace paragraph (3) and Table 707-36 with the following effective with the November 2026 letting.

(3) The department will test the material properties as specified in table 707-36 at the given frequency. Testing will be performed for each specified property, using a single sample randomly located within each lot.

TABLE 707-36 CONCRETE CATEGORY III (CAST-IN-PLACE BARRIER) QV SAMPLING AND TESTING

MATERIAL PROPERTY	QV TESTING FREQUENCY
Compressive Strength (WTM T22)	1 / Lot
Slump (WTM T119)[1]	
Air Content (WTM T152 or WTM T395)	
Concrete Temperature (WTM T309)	
Surface Resistivity (WTM T358)[2]	1 / 5 Lots
Aggregate Gradation (WTM T27)	1 test per 500 CY placed, maximum one test per day

[1] Slump for concrete placed by slip-form methods is not required unless the engineer requests.

[2] Required for contracts with 5000 linear feet or more of cast-in-place barrier. Surface resistivity testing not required for lots with less than 3 sublots.

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713 Structures

713.6 Elastomeric Bearings

713.6.1 General

Replace paragraph (2) and Table 713-4 with the following effective with the November 2026 letting.

(2) Conform to the properties in table 713-4:

TABLE 713-4 ELASTOMERIC BEARINGS REQUIREMENTS

PROPERTIES	TEST NAME	POLYISOPRENE (NATURAL RUBBER) CONFORMANCE	POLYCHLOROPRENE (NEOPRENE) CONFORMANCE
Grade (durometer, Shore A scale)	--	60±5	60±5
Hardness	ASTM D2240	60±5	60±5
Tensile strength (psi)	ASTM D412	2500	2500
Ultimate elongation (min %)	--	400	400
Low temperature brittleness Grade 4, test at -54.4°F Grade 5, test at -71°F	ASTM D2137, Test method C	No failure	No failure
Laminated pad adhesion test Bond Strength (psi)	ASTM D429, method B	40	40

727 Work Zone Traffic Control

Replace Table 727-1 with the following effective with the November 2026 letting.

TABLE 727-1 WORK ZONE TRAFFIC CONTROL ACCEPTANCE

SPEC	MATERIAL NAME	PRE-PROJECT	PROJECT
Category 1			
727.1	Drums	APL	--
	Traffic Control Cone – 42-Inch Assemblies	APL	--
	Flexible Tubular Markers	APL	--
	Traffic Channelizing Curb System	APL	--
	Vertical Panels	APL	--
Category 2			
727.2	Barricades (Types III)	APL	--
	Sign Stands	APL[1]	--
	Temporary Pedestrian Barricade	APL	--
Category 3			
727.3	Truck and Trailer Mounted Attenuators	APL	MISC[2]
Category 4			
727.4	Connected Arrow Boards	APL	MCC[3]
	Portable Changeable Message Signs (PCMS)	APL	MCC[3]
	Speed Feedback Trailers	APL	MCC[3]
Miscellaneous Work Zone Traffic Control Devices			
727.5	Warning Lights (Types A, B, C)	APL	MCC[3]
	Temporary Pedestrian Surface	APL	--
	Temporary Detectable Warning Field	APL	--
	Automated Flagger Device	APL	--
	Temporary Portable Rumble Strip	APL	--
	Portable Traffic Signals	APL	--
	Temporary Audible Message Device	APL	--
	Connected Work Zone End Location Marker	APL	--
Work Zone Signs			
727.6	Work Zone Signs	--	MISC[4]

[1] Only portable sign stands are required to be from the APL.

[2] Submit a copy of the attenuator manufacturer's specifications and installation instructions.

[3] MCC must be made available by the contractor when requested by the project engineer.

[4] Post mounted sign, must use a crashworthy sign support method.

727.5 Miscellaneous Work Zone Traffic Control Devices

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) Provide traffic control warning lights (types A, B and C), temporary pedestrian surface prefab skid-resistant mat, temporary detectable warning fields, automated flagger devices, temporary portable rumble strips, and

temporary traffic signal, temporary audible message devices and connected work zone end location markers products from the APL.

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728 Hardware and Fasteners

728.3 Standard Bolts, Nuts, and Washers

728.3.6 Barrier Wall Delineator Bolts, Nuts, and Washers

Replace paragraph (1) with the following effective with the November 2026 letting.

(1) Furnish stainless steel stud bolts, self-locking nuts, and washers conforming to ASTM F593, type 316 stainless steel.

728.10 Miscellaneous Standard Hardware

728.10.1 Welded Stud Shear Connectors for Steel Bridges

Replace paragraph (4) with the following effective with the November 2026 letting.

(4) Determine tensile properties according to ASTM A370. Perform tensile tests of finished studs on studs welded to test plates using a test fixture similar to figure 9.2 of clause 9 of AWS D1.5 (2025). If fracture occurs outside the middle half of the gauge length, repeat the test.

Bid Items

600 Bid Items

Replace bid item number and description for traffic control connected work zone end location marker effective with the November 2026 letting.

643.1222	Traffic Control Connected Work Zone End Location Marker	DAY

Remove the following bid items effective with the November 2026 letting.

643.3760	Temporary Marking Raised Pavement Marker Type I	EACH
643.3770	Temporary Marking Raised Pavement Marker Type II	EACH

Add the following bid items effective with the November 2026 letting.

643.3764	Temporary Marking Raised Pavement Marker Type I 4-Inch	EACH
643.3766	Temporary Marking Raised Pavement Marker Type I 6-Inch	EACH
643.3774	Temporary Marking Raised Pavement Marker Type II 4-Inch	EACH
643.3776	Temporary Marking Raised Pavement Marker Type II 6-Inch	EACH