

**MANUAL FOR FREQUENCY OF
SAMPLING AND TESTING
AND
BASIS FOR USE OF MATERIALS**



**INDIANA DEPARTMENT OF TRANSPORTATION
DIVISION OF MATERIALS AND TESTS**

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MANUAL FOR FREQUENCY OF SAMPLING AND TESTING AND BASIS FOR USE OF MATERIALS

GENERAL

The Department Standard Specifications, Section 106.02, states that the minimum required number of samples and tests will be as set out in the Frequency Manual. This edition of the Frequency Manual was prepared to make the frequency of sampling and testing conform to the requirements of the 23 Code of Federal Regulations (CFR) 637 Subpart B.

The schedules and instructions supersede all those previously issued and are effective upon receipt for all new contracts, and for all uncompleted work on existing contracts, unless there is a conflict with Special Provisions or Specifications.

The Frequency Manual is a tabulation of various items of materials and tests normally used in the construction and maintenance of highways and bridges. The manual specifies the minimum schedule necessary to satisfy the requirements for acceptance samples and tests for each item. The location (i.e. job site, source, mixing plant etc.) from which samples are to be taken or tests conducted is also specified for each item. The Department requires that samples be taken or tests conducted at these specified locations; however, occasional situations may occur that do not permit this procedure. When these occasions occur, the District Testing Engineer is required to determine if an alternate location is desirable. Samples are required to be taken and tests conducted as soon as possible after the material becomes available. Each sample is required to represent no more than the quantities listed by the Job Control Frequency of this manual. The frequency of samples or tests applies to quantities shown or fractions thereof. All sampling and testing must be performed by qualified personnel representing both INDOT and the Contractors responsible for quality materials in accordance with requirements herein. Construction activities related to Stormwater Control, Welding, Traffic Signal Work, Traffic Control, Internal Profiling, Guardrail Geotechnical Instrumentation, Bridge Painting & Cleaning and Retro-Reflectivity require the Contractors in responsible charge be Certified as shown in the Standard Specifications. Quality Control Plans related to these activities and all others shown in ITM 803 shall be submitted to the PE/PS at least 15 days prior to starting construction.

Many of the items listed allow small quantities of the material to be accepted without samples or tests. When this procedure is permitted, the quantities are specified as approximate amounts.

The frequencies herein are the minimum required. The PE/PS always has the right and responsibility to have a questionable product re-tested.

COLUMN FORMAT EXPLANATION

Specification Reference

The Department Standard Specification references are provided as a convenience for research of additional material requirements.

Item

The current edition of the Department Standard of Specifications will govern over any material listed in this manual. All items listed in the Standard Specifications, which require acceptance samples and tests, are listed. Items either added to or deleted from the previous manual reflect changes in the Standard Specifications. Instructions in parentheses provide additional information or explanation.

Job Control Location, Job Control Notes, Job Control Frequency, and Acceptance Templates

The Job Control Location, Job Control Notes, and Job Control Frequency address the location and frequency for all sampling and testing for approval for incorporation of material into the contract. Sampling and testing is conducted by Qualified Technicians; however, out-of-state consulting firms and other State DOT's also conduct sampling duties for the Department. The person responsible for acceptance samples and tests is not specified in this manual. Any material received at the job-site that has not been approved is required to be sampled, tested, and approved prior to use. Materials for temporary use in the contract must meet contract specifications, but do not require acceptance documentation beyond or in addition to visual inspection, unless otherwise noted in this manual. Questionable materials that have been approved should be resampled and tested for verification. Also, material accepted by visual inspection is required to be checked upon installation into the contract.

Terms used in these columns are explained as follows:

- A. No Sample ID Required (Visual examination, dimensional check, where applicable, and a knowledge of past performance) -- this type of approval is given by the PE/PS on the basis of their own knowledge of the source of material or advice by other Department personnel. Sources will be considered acceptable provided the materials and supplies are the required quality.
- B. Approval on the basis of certification -- for approval by certification, no test sample is required
- C. Verification sampling -- this is a point of use sample taken at random intervals for confirmation of quality and conformance
- D. Approval Number -- a letter followed by a six-digit number that indicates the material has been tested and at a given period in time was approved for use
- E. Approved Lot or Batch Number -- For materials that are pre-tested and stocked by material sources, the PE/PS is required to check the Office of Materials Management Pre-Approved Materials List for material, lot or batch number, and quantity delivered. If the material has been pre-tested and approved, the material is allowed for immediate use. The approval number will be entered into SiteManager.
- F. SiteManager & AWP Sample ID Number -- A laboratory testing report twelve-digit sequence number which will govern over all other basis of approval
- G. Type A, B, C, D, or Other Certifications -- When required, the PE/PS will have these documents before the material may be incorporated into the contract. The Certifications

are required to be in accordance with the Standard Specifications, Section 916. Type A Certifications are to be scanned into SiteManager and attached to the Sample Record. The original certification will be placed in the project files. Type B, C, D, and mill Certifications, external documents, and other Certifications will also be placed in the project files.

- H. Attach Buy America certification(s) in SM & AWP -- (Acceptance Template SM1004 & AV1004) has been added to several items in this update. While every effort was made to identify all items that require a Buy America certification, it is possible that some have been missed. If the Buy America certification is missing from an item that meets the *Standard Specification* definition (106.01(c)) for requiring it, then Buy America automatically becomes a requirement.
- I. Attach Build America certification or Build America Manufactured Product certification(s) in SM & AWP -- (Acceptance Template SM1005 & AV1005) has been added to several items in this update. While every effort was made to identify all items that require a Build America certification, it is possible that some have been missed. If the Build America certification is missing from an item that meets the *Construction Memo* definition (22-09) for requiring it, then Build America automatically becomes a requirement.

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REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
1	01 of 06	902.01a ITM 581 ITM 583	ASPHALT MATERIALS	HMA PLANT	PAVING GRADES. Two verification samples per year per certified plant per grade.	Certification - Type A shall be maintained at the certified plant per ITM 583. Approval Number (Performance-Graded Asphalt Binder)	No Sample ID Required (for Type A Cert) SM9015 (Verification by INDOT Testing) SM9004	No Sample ID Required (for Type A Cert) SM9015 (Verification by INDOT Testing) AV9004
1	02 of 06	902.01a 408.06 406.02	ASPHALT MATERIALS	JOBSITE	ASPHALT BINDER (PG58S-28, 58H-28, 58E-28, Polymer Modified Asphalt Binder). Used to fill cracks in existing asphalt pavement, or used as tack coat	Certification-Type A Approval Number (Performance-Graded Asphalt Binder Supplier)	SM9003 SM9004	AV9003 AV9004
1	03 of 06	902.01(b)	ASPHALT MATERIALS	POINT OF DELIVERY	NON-PAVING GRADES ASHALT EMULSIONS. Shall be from a supplier listed on the QPL of Asphalt Emulsion Suppliers. AE-90, AE-90S, AE-NT, AE-F, AE-150, AE-PL, Warranted Micro Surfacing, Ultrathin Bonded Wearing Course, Recycling, and RPE	Certification-Type C Approval Number (Asphalt Emulsion Supplier)	SM9003 SM9004	AV9003 AV9004
1	04 of 06	902.01(d)	ASPHALT MATERIALS	POINT OF DELIVERY	UTILITY ASPHALT.	Certification - Type A Material is required to be sampled and tested by supplier every 14 days in storage and every 14 days after delivery of material.	SM9003	AV9003
1	05 of 06	902.01 (e)	ASPHALT MATERIALS	POINT OF DELIVERY	ASPHALT FOR COATING CORRUGATED METAL PIPE.	Certification - Type A	SM9003	AV9003
1	06 of 06	401 902.01(a) 410	ASPHALT BINDER	JOBSITE	VOID REDUCING ASPHALT MEMBRANE. VRAM. Used under finished HMA surface joint to prevent water intrusion.	Certification - Type A Approval Number (Performance-Graded Asphalt Binder)	SM9003 SM9004	AV9003 AV9004
2	01 of 11	401.05 ITM 802 401.07 401.09 401.14	QC/QA-HMA	JOBSITE	Schedule to apply to each type of mixture. 1 / 1000 tons of base or intermediate 1 / 600 tons of surface 1 each per subplot when > 100 tons, include material ≤ 100 tons in the previous subplot The first 300 tons of the first subplot of the first lot will not be tested. Temperature: Visual Inspection	Binder Content Bulk Specific Gravity Maximum Specific Gravity Gradation 1 / 1000 tons of base or intermediate 1 / 600 tons of surface 1 each per subplot when > 100 tons, include material ≤ 100 tons in the previous subplot The first 300 tons of the first subplot of the first lot will not be tested. Temperature: Visual Inspection	IT586 or IT571 T 166 or T 331 T 209 T 30	ITM 586 or ITM 571 T 166 or T 331 T 209 T 30
2	02 of 11	401.05 402.15 401.09 402.13 401.14	Non QC/QA HMA	JOBSITE	Schedule to apply to each type of mixture.	Certification-Type D for Total Contract Item amount of < 300 tons, per CLN Temperature: Visual Inspection Density: Visual Inspection	SM9003	AV9003

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
2	03 of 11	410 IT 802	SMA	JOBSITE	Schedule to apply to surface course only. Binder Content Gradation 1 / 1000 tons of base or intermediate 1 / 600 tons of surface 1 each per subplot when > 100 tons, include material ≤ 100 tons in the previous subplot The first 300 tons of the first subplot of the first lot will not be tested. Temperature: Visual Inspection		IT586 or IT571 T 30	ITM 586 or ITM 571 T 30
2	04 of 11	401.05 402.04	QC/QA-HMA	PLANT, SOURCE	DOLOMITE. One verification sample per year per plant where Dolomite is used.	One verification sample per year per plant where Dolomite is used.	IT205	ITM 205
2	05 of 11	ITM 583	HMA	MIXING PLANT	PLANT PRODUCTION PER DMF. Schedule to apply to each type of mixture after the first 250 ton of mix for the season is produced.	For Base and Intermediate a minimum of one sample for 1st 250 ton and a minimum of one sample for each 1000 ton thereafter. For Surface a minimum of one sample for 1st 250 ton and a minimum of one sample for each 600 ton thereafter. Frequency per Producer QCP.	No Sample ID Required for Contractor Acceptance	No Sample ID Required for Contractor Acceptance
2	06 of 11	402.04 402.07 402.09 ITM 583 402.13 402.15	HMA Temp. Included	JOBSITE	FOR CONTRACT PER DMF. Contractor Acceptance Testing per ITM 583. A certification reflecting the test results from the latest producer sample shall be provided with the 1st delivery per contract per DMF per day.	Certification-Type D. For Base and Intermediate: Minimum one certification for each 1000 tons. For Surface: Minimum one certification for each 600 tons. Temperature: Visual Inspection Density: Visual Inspection	SM9003	AV9003
2	07 of 11	307 308	FULL DEPTH RECLAMATION	JOBSITE	FDR Asphalt Emulsion	Certification - Type D (1 Per Day of Production in accordance with ITM 804).	SM 9003	AV9003
					FDR Cement	Approval Number (For Cement)	SM9004	AV9004
2	08 of 11	416	COLD RECYCLING	JOBSITE	Cold-In-Place Recycling, CIR	Certification - Type Other (1 Per Day of Production in accordance with ITM 804).	SM 9003	AV9003
2	09 of 11	417	COLD RECYCLING	JOBSITE	Cold Central Plant Recycling, CCPR	Certification - Type Other (1 Per Day of Production in accordance with ITM 804).	SM 9003	AV9003
2	10 of 11	306.04 306.05 306.07	ROADWAY MILLING	JOBSITE	Scarification Profile/Cross-Slope Specified Depth	Macrotexture, 1 per day minimum (Testing by contractor in accordance with ITM 812)	No Sample ID Required	No Sample ID Required
2	11 of 11	401.18(a) and ITM 917, Sec 8.0.	INERTIAL PROFILER, HMA	JOBSITE	For Contracts which include the Inertial Profiler, HMA pay item. The inertial profiler shall be verified on each contract before use (A Checklist from another Department contract signed by the Engineer within the previous two weeks will also be considered acceptable documentation).	Inertial Profiler Verification (Machine Certification ID & Machine Operator). Longitudinal Smoothness Acceptance when Design speed > 45 mph & the traveled way or ramp slope is constant and ≥ .5 miles	IT917	ITM 917
3	01 of 02	401.16 410.16	QC/QA-HMA and SMA (DENSITY-MAINLINE)	JOBSITE	For each type of mixture.	Two cores required for each subplot of mainline mixture.	T 166	T 166
3	02 of 02	401.16	QC/QA-HMA (DENSITY-SHOULDERS)	JOBSITE	For each type of mixture except for the first 385 lb/sys over existing shoulders.	Two cores required for each subplot of shoulder mixture.	T 166	T 166

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
4	01 of 06	915.01 915.02 910.21 701.04 (a)	STEEL PILES	JOBSITE	UNCOATED STEEL H PILES, STEEL ENCASED CONCRETE PILES AND STEEL SHEET PILES.	External Document-Mill Certification Buy America Certification Approved Pile Driving Hammer Letter	SM1002 SM1004 (attach Buy America certification(s) in SM) SM1002	AV9003 AV1004 (attach Buy America certification(s) in AWP) AV9003
4	02 of 06	915.01 915.02 910.21 701.04 (a)	STEEL PILES	JOBSITE	EPOXY COATED STEEL H PILES AND STEEL ENCASED CONCRETE PILES.	External Document-Mill Certification Certification (epoxy coating)-Type C Approval Number (epoxy coating) Buy America Certification Approved Pile Driving Hammer Letter	SM1002 SM9003 SM9004 SM1004 (attach Buy America certification(s) in SM) SM1002	AV9003 AV9003 AV9004 AV1004 (attach Buy America certification(s) in AWP) AV9003
4	03 of 06	915.03	STEEL PILES	JOBSITE	SHOES. For H Pile.	Certification-Type C Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
4	04 of 06	915.01(a)2	STEEL PILES	JOBSITE	CONICAL TIPS. For Steel Pipe Piles.	Certification-Type C Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
4	05 of 06	910.21	STEEL PILES Temp. Included	JOBSITE	STEEL SHEET PILES.	Visually inspect for suitability of use. Buy America Certification	No Sample ID required. SM1004 (attach Buy America certification(s) in SM)	No Sample ID required. AV1004 (attach Buy America certification(s) in AWP)
4	06 of 06	701.11	H-PILE SPLICER COMMERCIAL	JOBSITE	UNCOATED STEEL H PILE SPLICERS.	External Document-Mill Certification Buy America Certification	SM1002 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
5	01 of 01	911.01e	WOODEN PILES Temp. Included	ANY LOCATION PRIOR TO USE	UNTREATED.	Visually inspect each piece for species, straightness and quality. Build America Certification Construction Product (Non-Temp. Materials)	No Sample ID required. SM1005 (attach Build America certification(s) in SM)	No Sample ID required. AV1005 (attach Build America certification(s) in AWP)
6	01 of 01	915.04	ELASTOMERIC or PTFE BEARING ASSEMBLY PADS (BR)	ANY LOCATION PRIOR TO USE	Allow 30 days for testing.	Certification-Type B One sample (one pad) of each type, for each lot. When shapes A and B of any type are required, only shape A shall be furnished for testing. External Document-Mill Certification External Document-Galvanizing Certification Buy America Certification (for steel) Build America Certification Construction Product (for elastomer)	SM9003 Sample ID Number (from M&T) SM1002 SM1002 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9003 Sample ID Number (from M&T) AV9003 AV9003 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
7	01 of 03	906.07a	BRIDGE EXPANSION JOINTS	JOBSITE	Type SS. Inspect for dimensions and workmanship.	Certification for Elastomer-Type B Certification for Str. Steel and Sealant- Type C Buy America Certification Build America Certification Construction Product	SM9003 SM9003 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9003 AV9003 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
7	02 of 03	906.07b	BRIDGE EXPANSION JOINTS	JOBSITE	Type M. Inspect for dimensions and workmanship.	Certification for Elastomer-Type B Certification for Str. Steel and Sealant-Type C Buy America Certification for Structural Steel Build America Certification Construction Product	SM9003 SM9003 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9003 AV9003 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
7	03 of 03	906.07c	BRIDGE EXPANSION JOINTS	JOBSITE	Type PCF (Pre-Compressed Foam Joint). For Bridge Joints, Terminal Joint, Type PCCP, etc.	Approval Number Build America Certification Construction Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
8	01 of 02	904	AGGREGATES	CAPP SOURCE	All aggregates, except those used for precast concrete units, fine aggregates used for snow and ice abrasive, or lightweight aggregates per 904.08.	Approval Number-Approved CAPP Source	IT211	AV9004
8	02 of 02	904.08	LIGHTWEIGHT AGGREGATES	JOBSITE	Expanded Shale or Foamed Glass Aggregate	Approval Number	SM9004	AV9004
9	01 of 02	901.01	CEMENT	BATCH PLANT	One 10 lb random verification sample required as directed by Directive 401.	Approval Number	SM9004	AV9004
9	02 of 02	901.02	FLY ASH	BATCH PLANT	One 5 lb random verification sample required as directed by Directive 401.	Approval Number	SM9004	AV9004
10	01 of 01	901.08 710.02	PACKAGED PATCHING PRODUCTS	JOBSITE	PACKAGED PATCHING PRODUCTS (Products for Substructure or Vertical Overhead (VOH) Repairs, etc)	Approval Number - W# (6 digit)	SM9004	AV9004
12	01 of 02	912.03	CONCRETE ADMIXTURE	BATCH PLANT	TYPE A, B, C, D, E, F, G, and AIR ENTRAINMENT	Approval Number	SM9004	AV9004
12	02 of 02	912.04	CONCRETE ADMIXTURE	BATCH PLANT	LATEX MODIFIER	Approval Number and Certification - Type B	SM9004 SM9003	AV9004 AV9003
13	01 of 03	912.01(e)	CONCRETE CURING MATERIALS	JOBSITE	LIQUID MEMBRANE FORMING CURING COMPOUNDS.	Approval Number (W-Number) Build America Certification Construction Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
13	02 of 03	912.01(e)	CONCRETE CURING MATERIALS	MANUFACTURER	LIQUID MEMBRANE FORMING CURING COMPOUNDS.	Annual recertification letter to the Department by January 1 of each year. The manufacturer shall also submit a type A certification for a single batch every four months to Div. M&T.	No Sample ID Required.	No Sample ID Required.
13	03 of 03	912.01(e)2	CONCRETE CURING MATERIALS	JOBSITE	LIQUID MEMBRANE FORMING CURING COMPOUNDS. Resin-Based, White Pigmented (PAMS) Only. Sample will be obtained at sprayer nozzle to obtain one 1 gal sample.	> 1000 gal, test results (from M&T) Sample once per source per contract which use > 1000 gal or as requested. Build America Certification Construction Product	Templates per Division of M&T. SM1005 (attach Build America certification(s) in SM)	Templates per Division of M&T. AV1005 (attach Build America certification(s) in AWP)
14	01 of 02	702.23 918.06	CONCRETE WATER PROOFING MATERIALS	JOBSITE	Treated cotton fabric, woven glass fabric and glass fiber material.	Certification-Type C	SM9003	AV9003
14	02 of 02	702.23 902.01(d)	CONCRETE WATER PROOFING MATERIALS	JOBSITE	Asphalt for waterproofing.	Certification-Type A	SM9003	AV9003
15	1 of 27	501.05	CONCRETE	JOBSITE	PAVEMENT-QC/QA-PCCP (Acceptance). Approved CMD Required.	Unit weight 1/2400 syd Air Content 1/2400 syd W/C Ratio 1/14,400 syd Full Sublot will be considered greater than 480 syds Sublots of 480 syds or less will be included in the previous sublot	T 121QC T 152QC IT403Q	T 121 T 152 ITM 403
15	2 of 27	501.05	CONCRETE	JOBSITE	PAVEMENT-QC/QA-PCCP (Acceptance). Approved CMD Required.	Thickness: two cores (4" diameter) per 2400 syd	IT404Q	ITM 404

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
15	3 of 27	501.05	CONCRETE	JOBSITE	PAVEMENT-QC/QA-PCCP (Acceptance). Approved CMD Required.	Flexural: two beams per 2400 syd	T 97Q	T 97Q
15	4 of 27	501.23	CONCRETE	JOBSITE	PAVEMENT-QC/QA-PCCP (Opening to Traffic). Test beams for flexural strength shall be obtained at the end of each day's production.	Strength by maturity method or Flexural Strength	T 325 T 97Q	T 325 T 97Q
15	5 of 27	502.04	CONCRETE	JOBSITE	PAVEMENT-PCCP (NON QC/QA) (Acceptance). Approved CMD Required (Includes Driveways).	Yield 1/2400 syd Air Content 1/1200 syd Slump 1/1200 syd	T 121 T 152 T 119	T 121 T 152 T 119
15	6 of 27	502.21	CONCRETE	JOBSITE	PAVEMENT-PCCP (NON QC/QA) (Acceptance). Approved CMD Required. Cores not required for JRCP, moment slab, sidewalks, nor driveways.	Thickness: one core (4" diameter) per 1200 syd per CLN (minimum 4 cores per section, and minimum of 1 core per subsection). For <1200 syd, no sampling required.	IT404 No Sample ID required.	ITM 404 No Sample ID required.
15	7 of 27	502.18 605 610	CONCRETE	JOBSITE	PAVEMENT-PCCP (NON QC/QA) (Opening to Traffic & Acceptance). Test beams shall be obtained at the end of each day's production. Curbs, Approaches and Cross-Overs	Flexural Strength	T 97Q	T 97Q
15	8 of 27	702	CONCRETE	JOBSITE	SUPERSTRUCTURE (Acceptance).	Yield 1/100 cyd Air Content 1/50 cyd Slump 1/100 cyd W/C Ratio 1/400 cyd	T 121 T 152 T 119 IT403	T 121 T 152 T 119 ITM 403
15	9 of 27	609	CONCRETE	JOBSITE	BRIDGE APPROACHES (Acceptance).	Yield 1/100 cyd Air Content 1/50 cyd Slump 1/100 cyd	T 121 T 152 T 119	T 121 T 152 T 119
15	10 of 27	609.12	CONCRETE	JOBSITE	BRIDGE APPROACHES (Opening to Traffic & Acceptance). Test beams shall be obtained at the end of each day's production.	Flexural Strength	T 97Q.	T 97Q
15	11 of 27	702	CONCRETE	JOBSITE	STRUCTURES (Acceptance). Bridge substructures, wingwalls, drainage boxes, and railing.	Yield 1/50 cyd Air Content 1/50 cyd Slump 1/100 cyd Visual (For PLN quantity ≤ 20 cyd)	T 121 T 152 T 119 No Sample ID required.	T 121 T 152 T 119 No Sample ID required.
15	12 of 27	702.13g	CONCRETE	JOBSITE	STRUCTURES (Form removal). Test beams shall be obtained at the end of each day's production.	Flexural Strength and/or Compressive Cylinders	T 97Q T 22	T 97Q T 22
15	13 of 27	702.24 805.13	CONCRETE	JOBSITE	STRUCTURES (Load Application). Test beams (and/or cylinders if required by contract) shall be obtained at the end of each day's production. Traffic Foundation Items, Anchors, Pole Foundations	Flexural Strength and/or Compressive Cylinders	T 97Q T 22	T 97Q T 22

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
15	14 of 27	702.24	CONCRETE	JOBSITE	STRUCTURES (Opening to Traffic or Form Removal or Load Application)	Flexural Strength Compressive Cylinders	T 97Q T 22	T 97Q T 22
15	15 of 27	502 702 605 610	CONCRETE	JOBSITE	MISCELLANEOUS (Acceptance). Curb, Curb Ramps, Sidewalk, Traffic Items, Slopewalls, Anchors, Monuments, Pole Foundations, etc.	Yield 1/100 cyd Air Content 1/50 cyd Slump 1/100 cyd Visual (For PLN quantity $\leq$ 40 cyd)	T 121 T 152 T 119 No Sample ID required.	T 121 T 152 T 119 No Sample ID required.
15	16 of 27	602 RSP 620-R-483	CONCRETE	JOBSITE	MISCELLANEOUS (Acceptance). Concrete Barrier Walls and Sound Wall Foundations.	Yield 1/200 cyd Air Content 1/200 cyd Visual (For PLN quantity $\leq$ 40 cyd)	T 121 T 152 No Sample ID required.	T 121 T 152 No Sample ID required.
15	17 of 27	722	CONCRETE	JOBSITE	BRIDGE DECK OVERLAY. LATEX-MODIFIED (Acceptance). One series of tests on first load of each truck and every third load per truck thereafter.	Yield 1/30 cyd Air Content 1/30 cyd Slump 1/30 cyd	SM7009 T152 T119LM	AV7009 T 152 T 119
15	18 of 27	722	CONCRETE	JOBSITE	BRIDGE DECK OVERLAY. LATEX-MODIFIED. VERY EARLY STRENGTH (VES) (Acceptance). The first series of tests will be on the first load.	Yield 1/30 cyd Air Content 1/30 cyd Slump 1/30 cyd	SM7009 T 152 T 119LM	AV7009 T 152 T 119
15	19 of 27	722	CONCRETE	JOBSITE	BRIDGE DECK OVERLAY. SILICA FUME MODIFIED CONCRETE OVERLAY W/C ratio determined soon after pour begins for each day of placement and if there is a significant change in aggregate moisture.	Yield 1/30 cyd Air Content 1/30 cyd Slump 1/30 cyd W/C Ratio 1/day	T 121 T 152 T 119 IT403	T 121 T 152 T 119 ITM 403
15	20 of 27	722	CONCRETE	JOBSITE	BRIDGE DECK OVERLAY. E5 (LFA and IC) CONCRETE OVERLAY W/C ratio determined soon after pour begins for each day of placement and if there is a significant change in aggregate moisture.	Yield 1/30 cyd Air Content 1/30 cyd Slump 1/30 cyd W/C Ratio 1/day	T 121 T 152 T 119 IT403	T 121 T 152 T 119 ITM 403
15	21 of 27	722	CONCRETE	JOBSITE	BRIDGE DECK PATCHING CONCRETE	Air Content and Relative Yield 1/50 cyd Yield 1/50 cyd Flexural Beams (Opening to traffic) Flexural Beams (3-day flexural strength verification, average of at least 2 test beams) 2 beams (minimum) /150 cyd	T 152 T 121 No Sample ID Required T 97EP (T 97 MP)	T 152 T 121 No Sample ID Required T 97
15	22 of 27	506	CONCRETE	JOBSITE	FULL-DEPTH and PARTIAL DEPTH PATCHING-PCCP.	Air Content 1/50 cyd Relative Yield 1/50 cyd Flexural Beams (Opening to traffic) Flexural Beams (3-day flexural strength verification, average of at least 2 test beams) 2 beams (minimum) /150 cyd	T 152 T 121 No Sample ID Required T 97EP (T 97 MP)	T 152 T 121 No Sample ID Required T 97

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
15	23 of 27	722	CONCRETE	JOBSITE	BRIDGE DECK OVERLAY. ALL TYPES (Acceptance). Test cylinders shall be obtained and strength verified prior to opening. Either 6 in. x 12 in. or 4 in. x 8 in. may be used. Final acceptance will be based on the average of two 6 in. x 12 in or three 4 in. x 8 in cylinders.	Opening to Traffic: After wet cure is complete and minimum compressive strength after wet cure has concluded. Refer to most recent E5 Construction Memo for additional information on E5 overlay Compressive Cylinders (minimum quantities): <u>6 in x 12 in:</u> 4/30 cyd (primary, 7- and 28-day, E5, SFMC, LMC) 4/30 cyd (primary, 3 hr- and 28-day, LMC-VE only) AND 4/30 cyd (backup) <u>4 in x 8 in:</u> 6/30 cyd (primary, 7- and 28-day, E5, SFMC, LMC) 6/30 cyd (primary, 3 hr- and 28-day, LMC-VE only) AND 5/30 cyd (backup)	T 22	T 22
15	24 of 27	509.03(a through f)	CONCRETE	JOBSITE	PCCP JOINT REPAIR (ACCEPTANCE). a) Pre-packaged patching material, CPM, b) Ordinary Portland Cement-Based Concrete, OPCC, c) Rapid Hardening Cement-Based Concrete, RHCC, d) Latex Modified Concrete, LMC, e) Latex Modified Concrete, Very Early Strength, LMC-VE, and f) Rapid Setting Patch Materials, RSP. Approved CMD Required For Each.	Slump, Air, and Relative Yield (first batch of day and a minimum of 1/400 cu. ft., thereafter). Flexural Beams or Cylinders (Opening to traffic). Flexural Beams or Cylinders (Strength Verification, 1/3 days production or whenever slump, relative yield, or air fail the upper limit (minimum). Specimens are standard cured and tested at age consistent with intended use.)	T 119, T 152, and T 121 (or SM7009 if volumetric mixing truck is used) No Sample ID Required T 97 (or T22)	T 119, T 152, and T 121 (or AV7009 if volumetric mixing truck is used) No Sample ID Required T 97 (or T 22)
15	25 of 27	501.25(a) prior to 2024 Spec Book and ITM 912, Sec 5.0	PROFILOGRAPH, PCCP	JOBSITE	For Contracts which include the Profilograph, PCCP pay item. The profilograph shall be calibrated prior to use for both horizontal and vertical scales once each day on each contract.	Profilograph Verification (Machine Certification ID & Machine Operator). Longitudinal Smoothness Acceptance when Design speed > 45 mph & the traveled way or ramp width is constant and ≥ .1 miles	IT912	ITM 912
15	26 of 27	501.25	INERTIAL PROFILER, PCCP	JOBSITE	For Contracts which include the Inertial Profiler, PCCP pay item. The inertial profiler shall be verified on each contract before use (A Checklist from another Department contract signed by the Engineer within the previous two weeks will also be considered acceptable documentation).	Inertial Profiler Verification (Machine Certification ID & Machine Operator). Longitudinal Smoothness Acceptance when Design speed > 45 mph & the traveled way or ramp slope is constant and ≥ .5 miles	IT917	ITM 917

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
15	27 of 27	912.06	CONCRETE	JOBSITE	SYNTHETIC FIBERS FOR USE IN PCC	Approval Number Build America Certification Construction Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
16	01 of 14	910.01b TM-25-03	REINFORCING STEEL	JOBSITE	REINFORCING BAR-UNCOATED. Randomly select 1 size bar per Contract, obtain two 4 ft long samples of this size straight bar for verification testing.	Approval Number-J Number Buy America Certification 2 - 4 ft bar samples when the combined Uncoated (703-06028) & Coated (703-06029) Bar amounts (per contract) are 30,000lbs or greater.	SM9004 SM1004 (attach Buy America certification(s) in SM) A615 or A706	AV9004 AV1004 (attach Buy America certification(s) in AWP) A615 or A706
16	02 of 14	910.01b9 TM-25-03	REINFORCING STEEL	JOBSITE	REINFORCING BAR-COATED. Randomly select 1 size bar per Contract. Obtain two 4 ft long samples of this size straight bar for verification testing.	Approval Number-J Number (Certified Reinforcing Bar Epoxy Coater) Buy America Certification (steel) 2 - 4 ft bar samples when the combined Uncoated (703-06028) & Coated (703-06029) Bar amounts (per contract) are 30,000lbs or greater.	SM9004 SM1004 (attach Buy America certification(s) in SM) A615 or A706 A775 D7091	AV9004 AV1004 (attach Buy America certification(s) in AWP) A615 or A706 A775 D7091
16	03 of 14	910.01b10	REINFORCING STEEL	MANUFACTURER	DOWEL. One random verification sample required per year per manufacturer as directed.	Approval Number-J Number (Certified Reinforcing Bar Epoxy Coater) Buy America Certification (steel) Build America Certification Construction Product (coating)	SM9004 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP) AV 1005 (attach Build America certification(s) in AWP)
16	04 of 14	503.04	REINFORCING STEEL	JOBSITE	DOWEL BAR ASSEMBLIES. Support baskets for D-1 contraction joints.	Visually inspect for compliance. Buy America Certification	No Sample ID required. SM1004 (attach Buy America certification(s) in SM)	No Sample ID required. AV1004 (attach Buy America certification(s) in AWP)
16	05 of 14	910.01(b)5	REINFORCING STEEL	JOBSITE	WELDED WIRE REINFORCEMENT (WWR). Except for use in pneumatically placed mortar; see reference 6 of 14.	Approval Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP)
16	06 of 14	910.01(b)5	REINFORCING STEEL	JOBSITE	WELDED WIRE REINFORCEMENT (WWR). Used for Pneumatically Placed Mortar Only.	Certification - Type Other Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
16	07 of 14	910.01(b)5	REINFORCING STEEL	JOBSITE	WELDED WIRE REINFORCEMENT (WWR) COATED	Approval Number-J Number (Certified Reinforcing Bar Epoxy Coater) Buy America Certification (steel) Build America Certification Construction Product (coating)	SM9004 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
16	08 of 14	910.01(b)2	REINFORCING STEEL	JOBSITE	THREADED TIE BAR ASSEMBLY UNCOATED. For each bar size.	Approval Number-J Number For ≤ 10 units of each bar size, visual inspection Buy America Certification	SM9004 No Sample ID Required SM1004 (attach Buy America certification(s) in SM)	AV9004 No Sample ID Required AV1004 (attach Buy America certification(s) in AWP) ASTM A615
16	09 of 14	910.01(b)2	REINFORCING STEEL	JOBSITE	THREADED TIE BAR ASSEMBLY COATED. For each bar size.	For ≤ 10 units of each bar size, visual inspection Buy America Certification (steel) Build America Certification Construction Product (coating)	No Sample ID Required SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	No Sample ID Required AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
16	10 of 14	910.01(b)2	REINFORCING STEEL	JOBSITE	THREADED TIE BAR ASSEMBLY UNCOATED. For each bar size.	Approval Number-J Number For > 10 units, two complete assemblies 4 ft long each for each 4000 assemblies (5 ft for bent bars). Buy America Certification	SM9004 SM9009 Plain Assemblies SM1004 (attach Buy America certification(s) in SM)	AV9004 ASTM A615 Uncoated Assemblies AV1004 (attach Buy America certification(s) in AWP)
16	11 of 14	910.01(b)2	REINFORCING STEEL	JOBSITE	THREADED TIE BAR ASSEMBLY COATED. For each bar size.	For > 10 units, two complete assemblies 4 ft long each for each 4000 assemblies (5 ft for bent bars). Buy America Certification (steel) Build America Certification Construction Product (coating)	SM9009 Epoxy Assemblies SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	ASTM A775 Coated Assemblies AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
16	12 of 14	910.01b3	REINFORCING STEEL	JOBSITE	COATED SPLICING SYSTEM for reinforcing bar. Two 3 ft bars and coupler random verification sample required per year per manufacturer per size as directed.	Approval Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP)
16	13 of 14	910.01a	REINFORCING STEEL	JOBSITE	BENT TIE BAR. One random verification sample required per year per manufacturer as directed. Two complete bar samples when less than 8 ft, otherwise one complete bar sample, for each bar size.	Approval Number Sample ID Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP)
16	14 of 14	901.05	REINFORCING STEEL	JOBSITE	CHEMICAL ANCHOR SYSTEM.	Approval Number Buy America Certification Build America Certification Construction Product	SM9004 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
17	01 of 07	906.02(a)1	CRACK, JOINT and LOOP SEALANT	JOBSITE, SOURCE, or DISTRIBUTOR	SILICONE JOINT SEALANT. Single Component Low Modulus.	Approval Number Build America Certification Manufactured Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
17	02 of 07	906.02(a)2	CRACK, JOINT and LOOP SEALANT	JOBSITE, SOURCE, or DISTRIBUTOR	HOT POURED JOINT SEALANT. ASTM D6690, Type II	Certification Type A Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
17	03 of 07	906.02(a)3	HOT POURED JOINT ADHESIVE	JOBSITE	HOT POURED JOINT ADHESIVE. Used to seal joint between adjacent HMA surface and int. courses.	Certification - Type A Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
17	04 of 07	906.02(a)5	JOINT SEALANT	JOBSITE, SOURCE, or DISTRIBUTOR	PREFORMED ELASTOMERIC JOINT SEAL.	Certification for joint material-Type A Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
17	05 of 07	906.02a1 906.02b	CRACK and JOINT	JOBSITE, SOURCE, or DISTRIBUTOR	SILICONE JOINT SEALANTS FOR I-A JOINTS. Transverse joints and Backer Rod for RCBAAs (Included in the cost of the RCBA).	Approval Number Certification for Backer Rod - Type C Build America Certification Manufactured Product	SM9004 SM9003 SM1005 (attach Build America certification(s) in SM)	AV9004 AV9003 AV1005 (attach Build America certification(s) in AWP)
17	06 of 07	906.02(b)	JOINT and LOOP SEALING MATERIALS	JOBSITE	BACKER ROD	Certification for Backer Rod-Type C Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
17	07 of 07	906.02(a)4 and 906.02(b)	BRIDGE JOINT MEMBRANE (FOR SEMI-INTEGRAL END BENTS)	JOBSITE, SOURCE, or DISTRIBUTOR	POLYCHLOROPRENE JOINT MEMBRANE, ADHESIVE AND BACKER ROD	Certification for Membrane-Type B Certification for Adhesive-Type C Certification for Backer Rod-Type C Build America Certification Manufactured Product (for backer rod only) Build America Certificate Construction Product	SM9003 SM9003 SM9003 SM1005 (attach Build America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9003 AV9003 AV9003 AV1005 (attach Build America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
18	01 of 03	909.10	EPOXY PENETRATING SEALERS	JOBSITE, SOURCE, or DISTRIBUTOR	POLYSULFIDE TYPE, UNMODIFIED TYPE, and LOW TEMPERATURE TYPE Applies only to contracts let prior to 9/1/2019	Approval Number-CF Number (Coating Formulations) Build America Certification Manufactured Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
18	02 of 03	709.05b	SILICA SAND BAGGED	JOBSITE		Visually inspect bag label or MSDS. (Applies only to contracts let prior to 9/1/2019)	No Sample ID required.	No Sample ID required.
18	03 of 03	709.05b	SILICA SAND BULK	JOBSITE		Certification-Type C (Applies only to contracts let prior to 9/1/2019)	SM9003	AV9003
19	01 of 01	909.10	PROPRIETARY PCC SEALER	JOBSITE	NON-EPOXY PCC SEALERS. One 1 qt random verification sample required per year per manufacturer as directed.	Approval Number Build America Certification Manufactured Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
20	01 of 02	909.11	EPOXY	JOBSITE	RESIN BASE SYSTEM or ADHESIVE. For bonding plastic concrete to hardened concrete. Inspect for dimensions and/or workmanship.	Certification-Type C Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
20	02 of 02	909.12	EPOXY	JOBSITE	RESIN ADDITIVES FOR EPOXY INJECTION ADHESIVE. For injection into cracks in hardened concrete.	Certification-Type C Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
21	01 of 01	506.02	BONDING AGENT	JOBSITE	For grout finish.	Approval Number Build America Certification Manufactured Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
22	01 of 05	211.02, 904.06	B BORROW / STRUCTURE BACKFILL, GRADATION	CAPP SOURCE	ALL USES.	Approval Number-Approved CAPP Source	IT211	AV9004
22	02 of 05	211.02, 904.06	B BORROW / STRUCTURE BACKFILL, GRADATION	PIT, OTHER (NON-CAPP SOURCE)		INDOT District Laboratory Testing (Organic Content, Liquid Limit & Plasticity Index, and Maximum Dry Density & Optimum Moisture Content). One of each test for each soil type. Name of Certified Technician or Qualified Geotechnical Technician required for acceptance of Contractor's Test Results for Gradation Control. One test per 2000 T based on production samples into a stockpile or by over the scales measurement. Minimum two tests per contract.	T 267, T 90, and T 99 IT211-Certified Technician/Qualified Geotechnical Technician	T 267, T 90, and T 99 ITM 211-Certified Technician/Qualified Geotechnical Technician
22	03 of 05	211.04	B BORROW, DENSITY, STRENGTH, OR STIFFNESS AND MOISTURE	JOBSITE		One in- place density or, stiffness, or strength test for each 800 tons, for each lift, minimum one sample. A minimum of one moisture test per day. The testing frequency in SiteManager or AWP will need to be changed to reflect actual number of moisture tests required per PLN.	T 191, ITM 508 or ITM 509 IT506 (for sand/granular soils) or T 255 (for coarse aggregate)	T 191, ITM 508 or ITM 509 ITM 506 (for sand/granular soils) or T 255 (for coarse aggregate)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
22	04 of 05	211.04	STRUCTURE BACKFILL, DENSITY OR STIFFNESS AND MOISTURE	JOBSITE		One in-place density or stiffness test per 800 tons, minimum one sample. A minimum of one moisture test per day is required. The testing frequency in SiteManager or AWP will need to be changed to reflect actual number of moisture tests required per PLN.	T 191, ITM 508 or ITM 509 IT506 (for sand/granular soils) or T 255 (for coarse aggregate)	T 191, ITM 508 or ITM 509 ITM 506 (for sand/granular soils) or T 255 (for coarse aggregate)
22	05 of 05	731.11	STRUCTURE BACKFILL	JOBSITE	FOR RETAINING WALL SYSTEMS (MSE and MODULAR BLOCK)	Certification-Type A	SM9003	AV9003
23	01 of 03	303.06	COMPACTED AGGREGATE GRADATION TEMP. INCLUDED	SOURCE	ALL USES.	Approval Number-Approved CAPP Source	IT211	AV9004
23	02 of 03	303.06 203.24(b)	COMPACTED AGGREGATE DENSITY OR STIFFNESS AND MOISTURE	JOBSITE	ALL USES.	For < 20 T, or shoulder wedge, or if depth of material < 3 in. no density or stiffness testing is required. Otherwise, 1 LWD Density Test per 800 T. For < 20 T, no moisture test is required. Otherwise, a minimum of one moisture taken from the first truck of the day for each day of aggregate placement. The testing frequency in SiteManager or AWP will need to be changed to reflect actual number of moisture tests required per PLN.	No Sample ID required. IT508 No Sample ID required. T 255	No Sample ID required. ITM 508 No Sample ID required. T 255
23	03 of 03	303.06	COMPACTED AGGREGATE PI, LL and DENSITY	SOURCE	ALL USES. District Testing will sample and test dense graded aggregates as needed when a sand cone in accordance with T191 is used for compaction control or as otherwise directed by the Engineer. If material is plastic, LL and PI will be sampled and tested monthly when used.	INDOT District Laboratory Test Results.	T 99 T 90	T 99 T 90
24	01 of 07	302.06	SUBBASE, GRADATION	SOURCE	ALL USES.	Approval Number-Approved CAPP Source	IT211	AV9004
24	02 of 07	302.06	SUBBASE, DENSITY OR STIFFNESS AND MOISTURE	JOBSITE	ALL USES.	For < 20 T or if depth of material < 3 in. no testing required. Otherwise, 1 LWD Density Test per 800 T For < 20 T, no moisture test is required. Otherwise, a minimum of one moisture taken from the first truck of the day for each day of aggregate placement. The testing frequency in SiteManager or AWP will need to be changed to reflect actual number of moisture tests required per PLN.	No Sample ID required. IT508 or T 191 No Sample ID required. T 255	No Sample ID required. ITM 508 or T 191 No Sample ID required. T 255
24	03 of 07	309.05	LEAN CONCRETE BASE	JOBSITE	CMD REQUIRED	Air Content 1/50 Cyd 1 Set of 3 6 in. x 12 in. Cylinders for Compression Testing at 28 days each day	T 152 T 22	T 152 T 22
24	04 of 07	310	CEMENT TREATED PERMEABLE BASE	PIT, OTHER (NON-CAPP SOURCE)		INDOT District Laboratory Testing (Organic Content, Liquid Limit & Plasticity Index, and Maximum Dry Density & Optimum Moisture Content). One of each test. Name of Certified Technician or Qualified Geotechnical Technician required for acceptance of Contractor's Test Results for Gradation Control. One test per 2000 T based on production samples into a stockpile or by over the scales measurement. Minimum two tests per contract.	T 267, T 90, and T 99 IT211-Certified Technician/Qualified Geotechnical Technician	T 267, T 90, and T 99 ITM 211-Certified Technician/Qualified Geotechnical Technician

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
24	05 of 07	310	CEMENT TREATED PERMEABLE BASE	CAPP SOURCE	ALL USES.	Approval Number-Approved CAPP Source	IT211	AV9004
24	06 of 07	310	CEMENT TREATED PERMEABLE BASE	JOBSITE		Compressive Cylinders, 2 cylinders/5,000 sq yds (2 for 7 day) Thickness, 4 in cores, 1/2,500 sq yds Compaction, 1 - 3 passes of an approved roller within 30 minutes of placement Field Permeability, 1/5,000 sq yds by Contractor Finished Surface is within +/- 1/4 in. longitudinally & transversely measured with a 16' rolling straightedge	T 22 ITM 404 Visual Visual T 215 Visual	T 22 ITM 404 Visual Visual T 215 Visual
24	07 of 07	302.01, 302.06 & 203.25	SUBBASE WITHOUT DENSITY OR STIFFNESS CONTROL AGGREGATE DRAINAGE LAYER	JOBSITE	APPROVED ROLLER	Aggregate Drainage Layer: 2 passes of an Approved Roller before final trimming and one pass of a static roller after trimming.	Visual Inspection	Visual Inspection
25	01 of 07	RSP 218-R-576	EMBANKMENT, SUBGRADE STRENGTH OR DENSITY AND MOISTURE, QC/QA FOR SOIL FILL SECTIONS AND SUBGRADE	JOBSITE	If fill is being placed in multiple locations, additional samples and tests will be required. Laboratory Testing for Soluble Sulfate is only required for Subgrade Treatment requiring soil compaction to 100% within the specified thickness of the subgrade treatment in cut sections and within 24 in. of the finished subgrade elevation in fill sections.	INDOT District Laboratory Testing (Organic Content, Liquid Limit & Plasticity Index, Maximum Dry Density & Optimum Moisture Content, and Soluble Sulfate). One of each test for each soil type. Three DCP or Density tests per 2,000 Cyd for each lift. One Moisture Test each 4 hours for Clay; and one test daily for Silty, Sandy or Granular Soils. The testing frequency in SiteManager or AWP will need to be changed to reflect actual number of moisture tests required for the per PLN.	T 267, T 90, and ITM 510 (when applicable) IT509 or T 191 T 99, IT 506	T 267, T 90, and ITM 510 (when applicable) ITM 509 or T 191 T 99, ITM 506
25	02 of 07	203.26 203.23 207.03 203.20(b) 203.09	EMBANKMENT, SUBGRADE STRENGTH OR DENSITY AND MOISTURE, NON-QC/QA, INCLUDING SHALE, SOFT ROCK AND SOFT ROCK MIXES	JOBSITE		INDOT District Laboratory Testing (Organic Content, Liquid Limit & Plasticity Index, Maximum Dry Density & Optimum Moisture Content, and Soluble Sulfate). One of each test for each soil type. 1 in place stiffness or strength test per 800 tons for each lift. One Moisture Test each 4 hours for Clay; and one test daily for Silty, Sandy or Granular Soils. The testing frequency in SiteManager or AWP will need to be changed to reflect actual number of moisture tests required for the per PLN. Pulverized shale or soft rock will require 1 moisture test every 2 hours with 1 gradation test every 1000'	T 267, T 90, and ITM 510 (when applicable) IT509, T 191, IT508 T 99, IT506	T 267, T 90, and ITM 510 (when applicable) IT509, T 191, IT508 T 99, ITM 506
25	03 of 07	RSP 203-R-699	EMBANKMENT, GRANULAR TIRE SHREDS (GTS)	JOBSITE	GRANULAR TIRE SHREDS	Certification - Type C	SM9003	AV9003

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
25	04 of 07	203.24 203.18 203.26 ITM 514 410.06	EMBANKMENT, STRENGTH OR DENSITY AND MOISTURE, RAP	JOBSITE	Where the depth of the Embankment exceeds 5 ft the compacted lift thickness for RAP shall not be greater than 12 in. Where the depth of the Embankment is 5 ft or less the compacted lift thickness for RAP shall not be greater than 6 in. Max particle size is 2 in. Proofroll as per 203.26	For < 20 T or if depth of material < 3 in. no density or stiffness testing is required. Otherwise, 1 LWD Density Test per 800 T. Maximum & Allowable Average Deflection determined from Test Section. For < 20 T, no moisture test is required. Otherwise, a minimum of one moisture taken from the first truck of the day for each day of aggregate placement. The testing frequency in SiteManager or AWP will need to be changed to reflect actual number of moisture tests required per PLN. Proofroll as per 203.26	Visual ITM 508 T 255 Visual	Visual ITM 508 T 255 Visual
25	05 of 07	203.26 203.20(a) 203.18 301	EMBANKMENT, STRENGTH OR DENSITY AND MOISTURE, RECYCLED CONCRETE PAVEMENT	JOBSITE	Where the depth of the Embankment exceeds 10 ft, max size RCP will be 2 ft for depths 10 ft or greater. Where the depth of the Embankment is 10 ft or less, max particle size will be 1 ft. RCP will be spread and rolled with approved equipment. Final 6 in shall be in accordance with Spec. 203.18 & 301	(Top 6 in) Three LWD Tests per 800 tons of compacted aggregate for the width of the constructed area. Proofroll entire grade at a maximum thickness of 5 ft. Per 203.26. (Top 6 in) One Moisture test daily. The testing frequency in SiteManager or AWP will need to be changed to reflect actual number of moisture tests required for the per PLN.	ITM 508 Visual T 255	ITM 508 Visual T 255
25	06 of 07	203.25 203.26	EMBANKMENT WITHOUT STIFFNESS CONTROL COARSE GRADED AGGREGATE	JOBSITE	AGGREGATE MATERIAL THAT IS NOT POSSIBLE TO TEST STIFFNESS SHALL BE COMPACTED WITH SEVERAL PASSES OF CRAWLER TREAD EQUIPMENT OR APPROVED VIBRATORY EQUIPMENT OF AT LEAST 10 TONS.	Placed in lifts no greater than 9 in with a minimum of 5 passes of the roller. Top 24 in shall be proofrolled and each 5 ft of fill. One Moisture test daily. The testing frequency in SiteManager or AWP will need to be changed to reflect actual number of moisture tests required for the per PLN.	Visual Inspection T 99, IT506	Visual Inspection T99, ITM 506
25	07 of 07	904.08 207 211 203.23.2	EMBANKMENT, LIGHTWEIGHT AGGREGATE WITHOUT STIFFNESS CONTROL	JOBSITE	LWA to be Constructed to 2 feet below the bottom of the subgrade or as shown on the plans by Tracked Equipment that DOES NOT CRUSH THE LWA	4 Roller passes at lowest frequency per lift no greater than 12" in depth transversely over the entire area in a smooth, uniform, noncrushing manner with a vibratory roller no more than 10 tons	Visual Inspection	Visual Inspection
26	01 of 05	207.02 215.02	SUBGRADE TREATMENT (CHEMICAL MODIFIED SUBGRADE)	JOBSITE	FOR PAVEMENT (Mainline and Shoulders). Samples of the soils for chemical modification shall undergo INDOT District Laboratory testing to ensure the soil(s) meet(s) the Maximum Dry Density, Organic Material, and Sulfate Content requirements.	INDOT District Laboratory Testing (Maximum Dry Density, Organic Material, and Sulfate Content). One of each test for each soil type.	T 99, T 267, and ITM 510	T 99, T 267, and ITM 510

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
26	02 of 05	207.03 215.09 218.05 203.24	SUBGRADE TREATMENT, STIFFNESS OR STRENGTH AND MOISTURE (CHEMICAL MODIFIED SUBGRADE), QC/QA FOR SOIL FILL SECTIONS AND SUBGRADE	JOBSITE	FOR PAVEMENT (Mainline and Shoulders). Chemically Modified Soils.	Three DCP tests per 1,400 cu yd OR Three LWD Tests per 1,400 cu yd. One Moisture Test each 4 hours during chemical modification/soil mixing. The testing frequency in SiteManager or AWP will need to be changed to reflect actual number of moisture tests required per PLN.	IT509 or IT508 IT506 (Stovetop)	ITM 509 or ITM 508 ITM 506 (Stovetop)
26	03 of 05	215.09 218.05	SUBGRADE TREATMENT, GRADATION (CHEMICAL MODIFIED SUBGRADE), QC/QA FOR SOIL FILL SECTIONS AND SUBGRADE	JOBSITE	FOR PAVEMENT (Mainline and Shoulders). Chemical Modification.	One Gradation Test per 2,500 cu yds	IT516	ITM 516
26	04 of 05	207.03 301.05 301.06 203.24(b)	SUBGRADE TREATMENT, STIFFNESS AND MOISTURE (COMPACTED AGGREGATE)	JOBSITE	FOR PAVEMENT (Mainline and Shoulders). Compacted Coarse Aggregate No. 53.	Three LWD Tests per 800 tons of compacted aggregate for the width of the constructed area. For < 20 T, no moisture test is required. Otherwise, a minimum of one moisture taken from the first truck of the day for each day of aggregate placement. The testing frequency in SiteManager or AWP will need to be changed to reflect actual number of moisture tests required per PLN.	IT508 T 255	ITM 508 T 255
26	05 of 05	219	CEMENT STABILIZED SUBGRADE SOIL. STIFFNESS AND MOISTURE	JOBSITE	QUALITY ASSURANCE, QA, TESTING. Refer to 219.11 for QC requirements for Contractor.	Three LWD Tests per 2,000 sq. yds. for the width of the constructed area 7-days after compaction. One moisture test per 2,000 sq. yds during cement and soils mixing.	IT508 IT506	ITM 508 ITM 506
27	01 of 01	910.18 910.13	METAL FENCE MATERIALS	INSTALLER or JOBSITE	FENCE FABRIC, POSTS, GATES, AND ACCESSORIES	Certification - Type C Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
32	01 of 03	910.09	GUARDRAIL	JOBSITE	STEEL W BEAM, THRIE BEAM RAILS, BACKUP PLATES, GUARDRAIL ACCESSORIES, FITTINGS AND FASTENERS. For use with Guardrail, Guardrail Transitions, Terminal Systems and Guardrail End Treatment Type I or Type II.	Approval Number (Certified Guardrail Manufacturer, one for each component manufacturer) Buy America (one for each component and manufacturer) Certification - Type C (Accessories, Fittings and Fasteners Only)	SM9004 SM1004 (attach Buy America certification(s) in SM) SM9003	AV9004 AV1004 (attach Buy America certification(s) in AWP) AV9003
32	02 of 03	910.09 601.02	GUARDRAIL AND GUARDRAIL COMPONENTS	JOBSITE	END SECTIONS, BUFFER END SECTIONS, TRANSITIONS, TERMINAL CONNECTORS, SHOES AND CHANNELS. For use with Guardrail, Guardrail Transitions and Terminal Systems	Certification - Type C (A copy of the mill certification and mechanical test results, if tests were run, the heat number, quantity, and purchase order number shall be included) Buy America Certification (one for each component and manufacturer) Approval Number (Certified Guardrail Manufacturer, one for each component manufacturer)	SM9003 SM1004 (attach Buy America certification(s) in SM) SM9004	AV9003 AV1004 (attach Buy America certification(s) in AWP) AV9004
32	03 of 03	910.10(a)	GUARDRAIL	JOBSITE	STEEL GUARDRAIL POSTS. For use with Guardrail, Guardrail Transitions and Terminal Systems.	Certification - Type C (A copy of the mill certification and mechanical test results, if tests were run, the heat number, quantity, and purchase order number shall be included) Buy America Certification (one for each component and manufacturer)	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
33	01 of 02	911.02f	SAWN TIMBER POSTS AND BLOCKOUTS	JOBSITE or SUPPLIER	ALL USES. Inspect for dimensions and wood defects.	Visual Inspection Build America Certification Manufactured Product	No Sample ID required. SM1005 (attach Build America certification(s) in SM)	No Sample ID required. AV1005 (attach Build America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
33	02 of 02	926.03	GUARDRAIL BLOCKS, OTHER THAN WOOD	JOBSITE	OTHER THAN WOOD GUARD RAIL BLOCKOUTS	External Document (Manufacturer's FHWA eligibility letter stating NCHRP 350 or MASH TL-3 Compliance) Buy America (one for each steel blockout manufacturer) Build America Certification Manufactured Product (Composite)	SM1002 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
34	01 of 02	910.20	STEEL BRIDGE RAILING COMPONENTS	JOBSITE	ANCHOR BOLTS	Certification - Type A Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
34	02 of 02	910.20	STEEL BRIDGE RAILING COMPONENTS	JOBSITE	ALL OTHER COMPONENTS.	Certification-Type C Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
35	01 of 01	601.07	GUARDRAIL END TREATMENT	JOBSITE	GUARD RAIL END TREATMENTS FOR W-BEAM AND THRIE BEAM RAIL SECTIONS.	Approval Number-W# Certification-Other (Certifying guardrail end treatment work will be supervised or performed by a manufacturer-trained and certified installer) External Document (Manufacturer's FHWA eligibility letter stating NCHRP 350 or MASH TL-2 or TL-3 Compliance) Buy America Certification	SM9004 SM9003 (Identify Certified Installer's Name and Company in Remarks) SM1002 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV9003 (Identify Certified Installer's Name and Company in Remarks) AV9003 AV1004 (attach Buy America certification(s) in AWP)
36	01 of 03	801.10.1	IMPACT ATTENUATORS TEMPORARY	JOBSITE	TEMPORARY UNIT (CZ)	Certification-Other Copy of Certificate from unit's manufacturer indicating the installer has been trained in installation of the unit.) External Document (Manufacturer's FHWA eligibility letter stating NCHRP 350 or MASH TL-2 or TL-3 Compliance)	SM9003 (Identify Certified Installer's Name and Company in Remarks) SM1002	AV9003 (Identify Certified Installer's Name and Company in Remarks) AV9003
36	02 of 03	601.08	IMPACT ATTENUATORS PERMANENT	JOBSITE	PERMANENT	Approval Number-W# Certification-Other (Certifying impact attenuator work will be supervised or performed by a manufacturer-trained and certified installer except for gravel barrel arrays) External Document (Manufacturer's FHWA eligibility letter stating NCHRP 350 or MASH TL-2 or TL-3 Compliance) Buy America Certification (steel) Build America Certification Construction Product or Build America Certification Manufactured Product (other than steel)	SM9004 SM9003 (Identify Certified Installer's Name and Company in Remarks) SM1002 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9004 AV9003 (Identify Certified Installer's Name and Company) AV9003 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
36	03 of 03	RSP 801-T-227	TRUCK MOUNTED ATTENUATOR	JOBSITE	TRUCK MOUNTED	External Document (Manufacturer's FHWA eligibility letter stating NCHRP 350 or MASH TL-2 or TL-3 Compliance)	SM1002	AV9003
37	01 of 03	914.01	TOPSOIL	SOURCE	Visually inspect for material detrimental to proper development of ground vegetation, in addition to laboratory testing.	One 1 lb sample for pH testing per source.	SM6009	T289
37	02 of 03	914.01 RSP 629-R-791	PLANT GROWTH LAYER	JOBSITE	Visually inspect for material detrimental to proper development of ground vegetation.	Certification-Type A. One 5 U.S. cup sample (1 lb minimum) for each 10,000 square yards installed.	SM9003	AV9003
37	03 of 03	629	TOPSOIL MANAGEMENT AND PROCESSING	JOBSITE	Visually inspect for material detrimental to proper development of ground vegetation.	Certification - Type D	SM9003	AV9003
38	01 of 01	914.01	AGRICULTURAL LIMESTONE	SOURCE	TOPSOIL ADDITIVE WHEN USED TO RAISE pH.	Visual Inspection	No Sample ID required.	No Sample ID required.
39	01 of 02	914.03 RSP 629-R-791 621.05(a) 622.09	FERTILIZER	JOBSITE	ALL USES. BAGGED, BULK, OR LIQUID. Analysis from bag or weigh ticket.	Visual Inspection	No Sample ID required.	No Sample ID required.

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
39	02 of 02	914.03	COMPOST	SUPPLIER	ALL USES.	Certification-Type C	SM9003	AV9003
40	01 of 03	914.04 621 ITM 804	SEED TYPES R, U, P, SHADE, FLOODPLAIN, SPRING SUMMER COVER CROP, AND FALL COVER CROP	JOBSITE	Seed will be considered expired 15 months after the date it was tested. Expired seed may be retested.	< 100 lbs per mix, Vendor Testing attached to Certification Other from a Seed Supplier that holds a State Seed Permit > 100 lbs per mix, Certification Other, with attached test results performed by a USDA approved Lab (link: https://www.ams.usda.gov/sites/default/files/media/L_SOfficialListingASP.pdf) signed by a Certified Seed Analyst or a Registered Seed Technologist. Seed Supplier must hold an Indiana State Seed Permit that is attached to the Certification	SM9003 SM9003	AV9003 AV9003
40	02 of 03	914.04 621	SEED. (Temporary Only- Seed Mix T)	JOBSITE or SUPPLIER	Visual Inspection to ensure that the seed's package is clearly marked and labeled by the manufacturer as to its content and weight.	Sample ID Number	No Sample ID required.	No Sample ID required.
40	03 of 03	Unique Special Provision ITM 804	NATIVE GRASSES AND FORB SEEDING (Wildflower and Prairie Grasses)	JOBSITE	Seed will be considered expired 15 months after the date it was tested. Expired seed may be retested.	< 100 lbs per mix, Vendor Testing attached to Certification Other from a Seed Supplier that holds a State Seed Permit > 100 lbs per mix, Certification Other, with attached test results performed by a USDA approved Lab (link: https://www.ams.usda.gov/sites/default/files/media/L_SOfficialListingASP.pdf) signed by a Certified Seed Analyst or a Registered Seed Technologist. Seed Supplier must hold an Indiana State Seed Permit that is attached to the Certification	SM9003 SM9003	AV9003 AV9003
41	01 of 03	914.05	MULCH	JOBSITE	For all types of mulch (when paid by weight), visually inspect each shipment.	For < 40 T, Visual Inspection.	No Sample ID required.	No Sample ID required.
41	02 of 03	914.05	MULCH	JOBSITE	For all types of mulch (when paid by weight), inspect each shipment.	For ≥ 40 T, one moisture test. Additional tests when inspection indicates a significant amount of moisture in the mulch.	SM6004	AV6004
41	03 of 03	914.05	MULCH	JOBSITE	EROSION CONTROL BLANKETS	Certification-Type C	SM9003	AV9003
42	01 of 02	914.07	SOD	JOBSITE	NURSERY.	Certification-Type C	SM9003	AV9003
42	02 of 02	914.07	SOD	JOBSITE	OTHER.	Visual Inspection	No Sample ID required.	No Sample ID required.
43	01 of 02	914.08 622.19	PLANTS	JOBSITE or NURSERY	SEEDLINGS. Certificate of compliance for plants required. Inspect plants for quality.	Certification Other that details the Seedling Plant Materials being provided are in accordance with Indiana Nursery Laws Visual Inspection: Seedlings will be tagged to show the name and size, are inspected for quality of the normal species, true to type and standard form Build America Certification Manufactured Product	SM9003 No Sample ID required. SM1005 (attach Build America certification(s) in SiteManager	AV9003 No Sample ID required. AV1005 (attach Build America certification(s) in AWP

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
43	02 of 02	914.08 622.18	PLANTS	JOBSITE	PLANTS. (Balled and Burlapped, Container Grown, Bare Rooted, etc.). Certificate of compliance for plants required. Inspect plants for quality.	Certification-Type C	SM9003	AV9003
44	01 of 03	914.09(f) & (g)	MISCELLANEOUS ROADSIDE DEVELOPMENT MATERIALS	JOBSITE or SOURCE	PLASTIC NET	Certification-Type C Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
44	02 of 03	914.09(b)	MISCELLANEOUS ROADSIDE DEVELOPMENT MATERIALS TEMP. ONLY	JOBSITE or SOURCE	TEMPORARY STAPLES	Visual Inspection	No Sample ID required.	No Sample ID required.
44	03 of 03	914.09(b)	MISCELLANEOUS ROADSIDE DEVELOPMENT MATERIALS TEMP. ONLY	JOBSITE or SOURCE	TEMPORARY STAKES FOR BRACING AND ANCHORING	Visual Inspection	No Sample ID required.	No Sample ID required.
45	01 of 01	RSP 624-M-024	HERBICIDES	CONTRACTOR CENTRAL STORAGE AREA	Visually inspect for verification of manufacturer and active ingredients.	Certification-Type B	SM9003	AV9003
46	01 of 02	911.01	LUMBER, UNTREATED (PERMANENT USE)	JOBSITE or SUPPLIER	Visually inspect for dimension and wood defects.	Visual Inspection-State Stamp or Grade Mark (One End Only) Build America Certification Construction Product	No Sample ID required. SM1005 (attach Build America certification(s) in SM)	No Sample ID required. AV1005 (attach Build America certification(s) in AWP)
46	02 of 02	911.01	LUMBER, UNTREATED (TEMPORARY USE)	JOBSITE	N/A	Visual Inspection of each item	No Sample ID required.	No Sample ID required.
47	01 of 03	911.02(g)	TREATED: LUMBER, FOR RECREATIONAL APPLICATIONS ONLY	JOBSITE or CONTRACTOR YARD	Picnic tables, decking, benches, handrails, etc. and other uses where human contact will occur. Inspect for dimensions.	Certification-Type C Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
47	02 of 03	911.02	LUMBER AND TIMBER, TREATED: BRIDGE LUMBER, PILING, SAWN TIMBER POSTS AND BLOCKOUTS, ETC. (PERMANENT USE)	TREATMENT PLANT, JOBSITE or CONTRACTOR YARD	Inspect after treatment, and perform assay test.	Visually inspect each piece for species, straightness, quality, and shall bear the quality mark of an ALSC accredited inspection agency or be certified for treatment by such an agency. Build America Certification Manufactured Product	No sample ID required. SM1005 (attach Build America certification(s) in SM)	No sample ID required. AV1005 (attach Build America certification(s) in AWP)
47	03 of 03	911.02	LUMBER AND TIMBER, TREATED (TEMPORARY USE)	TREATMENT PLANT, JOBSITE or CONTRACTOR YARD	TREATED WOOD Visually inspect each item after treatment.	Visual Inspection	No Sample ID required.	No Sample ID required.
48	01 of 03	404 608 616 904.02g 718 205	AGGREGATE	CAPP SOURCE	SHOULDER DRAINS, UNDERDRAINS, SEAL COATS, RIPRAP, SNOW AND ICE ABRASIVE, COARSE AGGREGATES FOR STORM WATER MANAGEMENT, AND MISCELLANEOUS USE.	Approval Number-Approved CAPP Approved Source	IT211	AV9004
48	02 of 03	904	AGGREGATE for PRECAST CONCRETE	SOURCE	Quality Test Required.	N/A	No Sample ID required.	No Sample ID required.
48	03 of 03	904.02g	AGGREGATE SNOW and ICE	NON-CAPP SOURCE	One Gradation by INDOT per 1000 T.	Sample ID Number	T 27FA	T 27
49	01 of 01	910.16	COPPER FLASHING	JOBSITE	Inspect for dimensions and/or workmanship.	Certification-Type C Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
50	01 of 01	910.17	BRONZE OR COPPER ALLOY PLATES	POINT OF DELIVERY	Inspect for dimensions and/or workmanship.	Certification-Type C Build America Certification Construction Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
51	01 of 01	913.01	WATER	SOURCE	NON-POTABLE. Based on intended use. When source is of questionable quality for intended use, consult the DTE.	Certification - Type A	SM9003	AV9003
52	01 of 04	913.03 ITM 810 OM 22-02	SODIUM CHLORIDE	POINT OF DELIVERY	ICE AND SNOW REMOVAL. Gradation and Moisture Control.	One 1 gal sample to be tested at least once per order placed (delivery location), regardless of tonnage. If the order exceeds 2,000 tons, one sample per 2,000 tons per order for gradation and moisture.	T 27 and T 255	T 27 and T 255
52	02 of 04	913.03 ITM 810 OM 22-02	SODIUM CHLORIDE	POINT OF DELIVERY	ICE AND SNOW REMOVAL. Purity.	One quart sample for purity per purchase order.	M 143	M 143
52	03 of 04	913.02 913.03	CALCIUM AND SODIUM CHLORIDE	POINT OF USAGE	ALL OTHER USES.	For ≤ 5 T, no sampling required. Build America Certification Construction Product	No Sample ID required. SM1005 (attach Build America certification(s) in SM)	No Sample ID required. AV1005 (attach Build America certification(s) in AWP)
52	04 of 04	913.02 913.03	CALCIUM AND SODIUM CHLORIDE	POINT OF USAGE	ALL OTHER USES.	For > 5 T, one 1 gal sample for each 200 T per source. Build America Certification Construction Product	M 143, M 144 and T 255 SM1005 (attach Build America certification(s) in SM)	M 143, M 144 and T 255 AV1005 (attach Build America certification(s) in AWP)
53	01 of 01	913.04(b)	HYDRATED LIME, QUICKLIME, AND LIME BY-PRODUCT	JOBSITE	FOR CHEMICAL MODIFICATION. One 1 lb random verification sample required per year per manufacturer as directed.	Approval Number	SM9004	AV9004
54	01 of 01	611	MAILBOX ASSEMBLY	JOBSITE	Visually inspect for dimensions and workmanship.	Visual Inspection Buy America Certification (steel) Build America Certification Construction Product (Other than Steel) Build America Certification Manufactured Product (Treated Lumber)	No Sample ID required. SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	No Sample ID required. AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
55	01 of 10	918.02(a)	GEOSYNTHETIC MATERIALS	JOBSITE or SOURCE	GEOTEXTILE FOR RIPRAP AND REVETMENT	Approval Number Build America Certification Construction Product (Temporary Installations do not require Build America Certifications)	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
55	02 of 10	918.02(b)	GEOSYNTHETIC MATERIALS	JOBSITE or SOURCE	GEOTEXTILE FOR UNDERDRAINS, SUBSURFACE DRAINS, AND FILTRATION	Approval Number Build America Certification Construction Product Temporary Installations do not require Build America Certifications	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
55	03 of 10	918.02(c)	GEOSYNTHETIC MATERIALS	JOBSITE or SOURCE	GEOTEXTILE FOR PAVEMENT AND SUBGRADE STABILIZATIONS.	Approval Number Build America Certification Construction Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
55	04 of 10	918.02(d)	GEOSYNTHETIC MATERIALS	JOBSITE or SOURCE	GEOTEXTILE FOR MOISTURE MANAGEMENT	Approval Number Build America Certification Construction Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
55	05 of 10	918.02(e)	GEOSYNTHETIC MATERIALS	JOBSITE or SOURCE	SILT FENCE. Inspect for dimensions and/or workmanship	Approval Number Temporary Installations do not require Build America Certifications	SM9004	AV9004
55	06 of 10	918.03	GEOSYNTHETIC MATERIALS	JOBSITE or SOURCE	GEOMEMBRANE	Approval Number Build America Certification Construction Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
55	07 of 10	918.04	GEOSYNTHETIC MATERIALS	JOB SITE or SOURCE	GEOCELL CONFINING SYSTEM	Approval Number Build America Certification Construction Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
55	08 of 10	918.05	GEOSYNTHETIC MATERIALS	JOB SITE or SOURCE	GEOGRID	Approval Number Build America Certification Construction Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
55	09 of 10	918.06	FABRIC OR MEMBRANE FOR WATERPROOFING	JOB SITE	FABRIC (TREATED COTTON, WOVEN GLASS, OR GLASS FIBER MAT) FOR WATERPROOFING R. C. BOX AND 3-SIDED STRUCTURES	Certification (for Type 1)-Type C Build America Certification Construction Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
55	10 of 10	918.06	FABRIC OR MEMBRANE FOR WATERPROOFING	JOB SITE	MEMBRANE FOR WATERPROOFING R.C. BOX AND 3-SIDED STRUCTURES	Certification (for Type 2 and Type 3)-Type B Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
56	01 of 03 04	909.03 619.09(a)	STRUCTURAL STEEL COATING SYSTEM AND SOUND BARRIER POSTS (THREE COAT)	JOB SITE or SUPPLIER	FOR NON-WEATHERING STEEL. Coating systems must be from the Department's list of approved structural steel coating systems, and all system components must be pre-tested.	Approval Number (W-number for Coating System, and M-number for each of the three system components) Build America Certification Manufactured Product	SM9004 (W-number for the Coating System, and one M-number for each System Component Material) SM1005 (attach Build America certification(s) in SM)	AV9004 (Coating System) AV6006 (Report M-numbers for the three System Components) AV1005 (attach Build America certification(s) in AWP)
56	02 of 03 04	619.11(b) 909.02(e)	STEEL COATING SYSTEM FOR WEATHERING STEEL (THREE COAT)	JOB SITE or SUPPLIER	FOR WEATHERING STEEL. (Note: Coating System is only required if shown on plans.) Coating systems must be from the Department's list of approved structural steel coating systems. For weathering steel contracts being painted as shown on standard drawing E 619-PRWS-01, the finish coat may be from any manufacturer. All system components must be pre-tested.	Approval Number (W-number for Coating System, and M-number for each of the three system components) Build America Certification Manufactured Product	SM9004 (W-number for Coating System, and M-number for each of the three system components) SM1005 (attach Build America certification(s) in AWP)	AV9004 (for each Coating Formulation) AV6006 (Report M-number for the each System Component Material) AV1005 (attach Build America certification(s) in AWP)
56	03 of 04	619.09(c) 729.03 909.02(e)	SPECIAL PARTIAL COATING SYSTEM (THREE COAT)	JOB SITE OR SUPPLIER	FOR NON-WEATHERING STEEL	Approval Number (W-number for Coating System, and M-number for each of the three system components) Build America Certification Manufactured Product	SM9004 (W-number for Coating System, and M-number for each of the three system components) SM1005 (attach Build America certification(s) in AWP)	AV9004 (for each Coating Formulation) AV6006 (Report M-number for the each System Component Material) AV1005 (attach Build America certification(s) in AWP)
56	04 of 04	619.11(b)	STRUCTURAL STEEL PARTIAL PAINT SYSTEM AND SOUND BARRIER WALL (TWO COAT)	JOB SITE or SUPPLIER	FOR NON-WEATHERING STEEL. Organic primer and waterborne finish coats must be from the Departments list of approved coating formulations.	Approval Number (W-number for Coating System, and M-number for each of the two components) Build America Certification Manufactured Product	SM9004 (W-number for Coating System, and M-number for each of the components) SM1005 (attach Build America certification(s) in AWP)	AV6006 (Report M-number for the each Component Material) AV1005 (attach Build America certification(s) in AWP)
57	01 of 02	715 907.01	CONCRETE PIPE	JOB SITE	NON-REINFORCED CONCRETE PIPE. Certified Precast Concrete Producers. Marked with ACPA, NPCA or PCI B1 Product Marking. Source No., Date of Manufacture and any Std. Spec. Req.	Approval Number- Source Number	SM9004	AV1005 (attach Build America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
57	02 of 02	715 907.02 907.03	CONCRETE PIPE	JOBSITE	REINFORCED CONCRETE PIPE. Certified Precast Concrete Producers. Marked with ACPA, NPCA or PCI B1 Product Marking, Source No., Date of Manufacture and any Std. Spec. Req.	Approval Number- Source Number Certification - Other (Refer to 907.02) Buy America Certification	SM9004 SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV9003 AV1004 (attach Buy America certification(s) in AWP)
58	01 of 01	715.02(k)	PRECAST CONCRETE UNIT	SOURCE	END SECTIONS. Certified Precast Concrete Producers. Marked with ACPA, NPCA or PCI B1 Product Marking, Source No., Date of Manufacture and any Std. Spec. Req.	Approval Number- Source Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP)
59	01 of 01	907.04 907.05	PRECAST CONCRETE UNIT.	JOBSITE	MANHOLES, INLETS, CATCH BASINS, AND GRADE RINGS. REINFORCED CONCRETE STRUCTURE SECTIONS. Certified Precast Concrete Producers. Marked with ACPA, NPCA or PCI B1 Product Marking, Source No., Date of Manufacture and any Std. Spec. Req.	Approval Number- Source Number Approval Number (Manhole Steps, if necessary) Buy America Certification	SM9004 SM9004 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV9004 AV1004 (attach Buy America certification(s) in AWP)
60	01 of 04	731 901.10(b)	MECHANICALLY STABILIZED EARTH RETAINING WALLS	JOBSITE	MECHANICALLY STABILIZED EARTH RETAINING WALLS. Certified Precast Concrete Producers. Marked with ACPA, NPCA or PCI B1 Product Marking, Source No., Date of Manufacture and any Std. Spec. Req.	Approval Number-Precast Concrete Producer (4-digit Source #) Approval Number-Retaining Wall Systems (W#) One sample (consisting of two 4" diameter cores) per 750 panels, minimum one sample. Joint Spacer and Joint Cover Adhesive (Certification-Other) Joint Cover Material (Certification-Type C) Clevis Connector, Connector Bar, and Ground Reinforcement Galvanization Certification (Certification-Type A) Buy America Certification	SM9004 SM9004 T 24 SM9003 SM9003 SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV9004 T 24 AV9003 AV9003 AV9003 AV1004 (attach Buy America certification(s) in AWP)
60	02 of 04	732	MODULAR CONCRETE BLOCKS	SOURCE	N/A	For ≤ 200 blocks, visually inspect for dimensions and workmanship. Certification-Type A (Freeze/Thaw ASTM C1372 within 12 months of delivery)	No Sample ID required. SM9003	No Sample ID required. AV9003
60	03 of 04	732	MODULAR CONCRETE BLOCKS	SOURCE	A lot is not more than 10,000 blocks. Verify Delivery Ticket with SiteManager or AWP remarks.	For > 200 blocks, six blocks for Compressive strength and Absorption per lot. Certification-Type A (Freeze/Thaw ASTM C1372 within 12 months of delivery)	Sample ID (Templates by M&T); assign PLN and represented quantity to Contract tab in SiteManager or AWP SM9003	Sample ID (Templates by M&T); assign PLN and represented quantity to Contract tab in AWP AV9003
60	04 of 04	732	MODULAR CONCRETE BLOCKS	SOURCE	Cap blocks.	Visually inspect for dimensions and workmanship. Certification-Type A (Freeze/Thaw ASTM C1372 within 12 months of delivery)	No Sample ID required. SM9003	No Sample ID required. AV9003
61	01 of 01	907.10	CONCRETE DRAIN TILE	SOURCE	Certified Precast Concrete Producers.	Approval Number - Source Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
63	01 of 12	907.17(a) 907.18	PLASTIC PIPE	JOBSITE	CORRUGATED DRAINAGE TUBING AND PERFORATED PLASTIC SEMI-CIRCULAR PIPE. Inspect for dimensions and workmanship.	Approval Number Build America Certification Construction Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
63	02 of 12	907.17(b) 715.09	PLASTIC PIPE	JOBSITE	CORRUGATED POLYETHYLENE DRAINAGE PIPE. Inspect for dimensions and workmanship.	Approval Number Mandrel Testing Build America Certification Construction Product	SM9004 SM9043 SM1005 (attach Build America certification(s) in SM)	AV9004 AV9043 AV1005 (attach Build America certification(s) in AWP)
63	03 of 12	907.17(b) 715.09 907.19 907.22 907.24(c)	PLASTIC PIPE	JOBSITE	PLASTIC PIPE FOR USE IN CULVERTS UNDER MAINLINE PAVEMENT AND PUBLIC ROAD APPROACHES, AND STORM SEWERS. Inspect for dimensions and workmanship.	Approval Number Mandrel Testing Build America Certification Construction Product	SM9004 SM9043 SM1005 (attach Build America certification(s) in SM)	AV9004 AV9043 AV1005 (attach Build America certification(s) in AWP)
63	04 of 12	907.17(b) and 907.19 907.22 907.24(c)	PLASTIC PIPE	JOBSITE	PLASTIC PIPE FOR USE IN CULVERTS UNDER ALL DRIVES AND FIELD ENTRANCES. Inspect for dimensions and workmanship.	Approval Number Build America Certification Construction Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
63	05 of 12	907.24(a) 907.22, 907.24(c) 907.21, 907.24(d) 907.23, 907.24(e), 907.24(b), 907.20	PLASTIC PIPE	JOBSITE	PSM PVC PIPE, SMOOTH WALL POLYETHYLENE PIPE, SMOOTH WALL PVC PIPE, PVC PLASTIC PIPE, SCHEDULE 40 or PROFILE WALL POLYETHYLENE PIPE. For underdrain outlets and miscellaneous applications. Inspect for dimensions and workmanship. ASTM stamp required on pipe.	Certification - Type C Build America Certification Construction Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
63	06 of 12	907.23	PLASTIC PIPE	JOBSITE	END BENT DRAIN PIPE or PERFORATED SMOOTH WALL PVC	Certification - Type C Build America Certification Construction Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Buy America certification(s) in AWP)
63	07 of 12	907.17(a) 907.22	PLASTIC PIPE	JOBSITE	END BENT DRAIN PIPE. Perforated profile wall PVC pipe, or corrugated polyethylene drainage tubing Type SP.	Approval Number Build America Certification Construction Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Buy America certification(s) in AWP)
63	08 of 12	908.14	SLOTTED VANE DRAIN PIPE	JOBSITE	SMOOTH WALL PVC PIPE WITH CASTING. Component materials in accordance with 907.23 and 910.05(b), respectively.	Pipe: Approval Number Casting: Certification-Type Other Buy America Certification Build America Certification Construction Product	SM9004 SM9003 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9004 AV9003 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Buy America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
63	09 of 12	907.25(a) 907.25(b) 907.25(c)	PIPE LINERS	JOBSITE	THERMOPLASTIC LINER PIPE, PROFILE WALL HDPE LINER PIPE, PROFILE WALL PVC LINER PIPE or SOLID WALL HDPE LINER PIPE Pipe Liners to be inspected.	Approval Number or Certification - Type A: Solid Wall HDPE Liner Pipe Type A Cert only: Profile Wall HDPE Liner Pipe and Profile Wall PVC Liner Pipe Build America Certification Construction Product	SM9004 or SM9003 SM9003 SM1005 (attach Build America certification(s) in SM)	AV9004 or AV9003 AV9003 AV1005 (attach Build America certification(s) in AWP)
63	10 of 12	912.05	FOAMING AGENT	JOBSITE	For Making Preformed Foam for Cellular Concrete Grout (CCF).	Certification - C Approval Number- Source Number Build America Certification Manufactured Product	SM9003 SM9004 SM1005 (attach Build America certification(s) in SM)	AV9003 AV9004 AV1005 (attach Build America certification(s) in AWP)
63	11 of 12	907.26	SOLVENT CEMENTS	JOBSITE	For PVC Pipe and Fittings.	Certification-Type C Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
63	12 of 12	907.27	ELASTOMERIC SEALS	JOBSITE	For Joining Plastic Pipe.	Certification-Type B Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in SM)
64	01 of 02	715.10	GRATED BOX END SECTIONS	SOURCE	Certified Precast Concrete Producers. Marked with ACPA, NPCA or PCI B1 Product Marking. Source No., Date of Manufacture and any Std. Spec. Req.	Approval Number- Source Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP)
64	02 of 02	910.22(b)	GRATED BOX END SECTIONS	JOBSITE	GRATING FOR GRATED BOX END SECTION. The Pipe, Tubing, Tube, and Grates for a Type II Grated Box End Section.	Certification - Type B Buy America Certification (Structural Steel Grate) Build America Certification Construction Product (Pipe, Tubing and Tube)	SM9003 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
65	01 of 01	907.13	RUBBER TYPE GASKETS (RING)	JOBSITE	For Pipe. Inspect for dimension and/or workmanship.	Certification-Type B Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
66	01 of 01	907.11(a)	PIPE JOINT SEALERS	JOBSITE	PREFORMED FLEXIBLE and BITUMINOUS MASTIC SEALANT. Inspect for dimension and/or workmanship.	Certification-Type C	SM9003	AV9003
66	02 of 02	907.11(b)	PIPE JOINT SEALERS	JOBSITE	BITUMINOUS MASTIC SEALANT	Certification-Type A	SM9003	AV9003
67	01 of 01	907.07	JOINT MEMBRANE SYSTEM FOR PRECAST CONCRETE BOX CULVERTS	JOBSITE	Inspect for dimension and/or workmanship.	Certification-Type C Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
68	01 of 01	907.04	MANHOLE STEPS	SOURCE	FOR CONCRETE LIFT STATIONS.	Approval Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP)
70	01 of 01	908.02 908.04 908.08 908.07 908.14	METAL PIPE	SOURCE	CORRUGATED METAL CULVERT PIPE, PIPE ARCHES, SLOTTED DRAIN AND UNDERDRAINS.	Approval Number Buy America Certification Build America Certification Construction Product (Aluminum Alloy Only)	SM9004 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
71	01 of 01	908.06	METAL END SECTIONS	SOURCE	One verification sample by Testing per mill per fabricator per calendar year per gauge.	External Document-Mill Report and Fabricator Certification Buy America Certification	SM1002 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
73	01 of 04	908.09	METAL PIPE	JOBSITE	STRUCTURAL PLATE PIPE, PIPE ARCHES, AND ARCHES. One base metal verification sample by Testing per fabricator per calendar year per gauge.	External Document-Mill Report and Fabricator Certification Buy America Certification (Steel Only) Build America Certification Construction Product (Aluminum Alloy Only)	SM1002 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
73	02 of 04	908.10	METAL PIPE	JOBSITE	CAST IRON SOIL PIPE. For bridge drains. Field check for dimensions and weight.	Visual Inspection Buy America Certification	No Sample ID required. SM1004 (attach Buy America certification(s) in SM)	No Sample ID required. AV1004 (attach Buy America certification(s) in AWP)
73	03 of 04	907.28	REINFORCED THERMOSETTING RESIN PIPE	JOBSITE	FIBERGLASS PIPE FOR BRIDGE DRAINAGE SYSTEMS. Inspect for dimensions and workmanship.	Certification-Type A Build America Certification Construction Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
73	04 of 04	910.07 908.11	STEEL PIPE	JOBSITE	Inspect for dimensions and workmanship.	Certification-Type C Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
74	01 of 02	905.02 or 905.03	BRICKS AND BLOCKS	JOBSITE or SOURCE	BRICK AND BLOCK.	Certification, Type C	SM9003	AV9003
74	02 of 02	USP in Contract	BRICKS AND BLOCKS	JOBSITE or SOURCE	PAVER BRICKS	Approval Number - shall be taken from every 100,000 units. Selected from a Source Shown in the Contract Documents. Certification, Other	SM9004 SM9003	AV9004 AV9003
75	01 of 01	904.04(e)	PRECAST RIPRAP	SOURCE	Certified Precast Concrete Producers.	Approval Number- Source Number	SM9004	AV9004
76	01 of 02	600 (numerous subsections apply)	PRECAST CONCRETE UNITS	SOURCE	PRECAST PARKING BARRIERS, PRECAST CONCRETE CURBING, BENCH-MARK POSTS, CABLE MARKERS, AND MONUMENTS. Certified Precast Concrete Producers.	Approval Number- Source Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP)
76	02 of 02	615.03	RIGHT-OF-WAY MARKERS	SOURCE	RIGHT-OF-WAY MARKERS. (Visually inspect for markings)	Certification-Type C Buy America Certification Approval Number - Source Number	SM9003 SM1004 (attach Buy America certification(s) in SM) SM9004	AV9003 AV1004 (attach Buy America certification(s) in AWP) AV9004
77	01 of 01	905.06	PRECAST CONCRETE UNITS	SOURCE	OTHER CONCRETE ITEMS.	Visual Inspection Buy America Certification Approval Number - Source Number	No Sample ID required. SM1004 (attach Buy America certification(s) in SM) SM9004	No Sample ID required. AV1004 (attach Buy America certification(s) in AWP) AV9004
78	01 of 02	602.03(a)	PRECAST MEDIAN BARRIERS	SOURCE	PERMANENT. Certified Precast Concrete Producers.	Approval Number- Source Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP)
78	02 of 02	602.03(a)	PRECAST MEDIAN BARRIERS	SOURCE	PERMANENT. Strength (2 cylinders) per 100 units and Absorption (2 cores for wet cast only) per 50 units.	Certification-Type A Approval Number - Source Number Buy America Certification	SM9003 SM9004 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV9004 AV1004 (attach Buy America certification(s) in AWP)
79	01 of 04	801.10	TEMPORARY TRAFFIC BARRIERS (PRECAST)	ANY LOCATION PRIOR TO USE	CONCRETE. Produced after March 1, 2003 and prior to January 1, 2007	Visual Inspection based on required markings and condition.	No Sample ID required.	No Sample ID required.
79	02 of 04	801.10	TEMPORARY TRAFFIC BARRIERS (PRECAST)	ANY LOCATION PRIOR TO USE	CONCRETE. Produced January 1, 2007 or thereafter. Certified Precast Concrete Producers.	Approval Number- Source Number	SM9004	AV9004
79	03 of 04	801.10	TEMPORARY TRAFFIC BARRIERS (TEMPORARY - FHWA APPROVED)	ANY LOCATION PRIOR TO USE	TYPE 4 TRAFFIC BARRIER - OTHER THAN PRECAST CONCRETE - FHWA APPROVED.	External Document (Manufacturer's FHWA eligibility letter stating NCHRP 350 or MASH TL-2 or TL-3 Compliance)	SM1002	AV9003
79	04 of 04	801.10	TEMPORARY TRAFFIC BARRIERS (TEMPORARY - FHWA APPROVED)	ANY LOCATION PRIOR TO USE	TYPE 4 TRAFFIC BARRIER - PRECAST & OTHER THAN PRECAST CONCRETE - FHWA APPROVED.	External Document (Manufacturer's FHWA eligibility letter stating NCHRP 350 or MASH TL-2 or TL-3 Compliance)	SM1002	AV9003

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
80	01 of 06	707.02	PRECAST PRESTRESSED CONCRETE MEMBERS	PRODUCER	Amount poured per bed/per day: Less than 20 CYS = 2 sets of tests 20 CYS to 60 CYS = 3 sets of tests More than 60 CYS = 4 sets of tests 1 set of tests =One slump/flow test, one air test and <u>cylinders</u> as follows: For 6 in x 12 in: 4 cylinders (2 for detentioning, 2 for 28-day strength) For 4 in x 12 in: 6 cylinders (3 for detentioning, 3 for 28-day strength)	Approval Number-Sample ID number by Structural Fabrication Supervisor	SM7005 T119 T152 T22	AV7005 T119 T152 T22
80	02 of 06	707.02	PRECAST CONCRETE STRUCTURAL MEMBERS (NOT PRESTRESSED)	PRODUCER	Amount poured per bed/per day: Less than 20 CYS = 2 sets of tests 20 CYS to 60 CYS = 3 sets of tests More than 60 CYS = 4 sets of tests 1 set of tests =One slump/flow test, one air test and <u>cylinders</u> as follows: For 6 in x 12 in: 2 cylinders for 28-day strength For 4 in x 12 in: 3 cylinders for 28-day strength	Approval Number-Sample ID number by Structural Fabrication Supervisor	SM7005 T119 T152 T22	AV7005 T119 T152 T22
80	03 of 06	707.02	PRECAST PRESTRESSED CONCRETE MEMBERS	PRODUCER	AGGREGATE by Structural Fabrication Supervisor	Approval Number	SM9004	AV9004
80	04 of 06	707.02	PRECAST PRESTRESSED CONCRETE MEMBERS	PRODUCER	CEMENT by Structural Fabrication Supervisor	Approval Number	SM9004	AV9004
80	05 of 06	707.02	PRECAST/PRESTRESSED CONCRETE MEMBERS	PRODUCER	REINFORCING STEEL by Structural Fabrication Supervisor: One random verification sample required per year per manufacturer as directed. One 5 ft sample for each 15 T of each size and deformation.	Approval Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP)
80	06 of 06	707.02	PRECAST/PRESTRESSED CONCRETE MEMBERS	PRODUCER	STRAND (Prestressed beams only) by Structural Fabrication Supervisor.	Certification-Type A and verification/receipt of Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
81	01 of 06	910.14a 910.14e	POLES AND POSTS	JOBSITE or SUPPLIER	SIGN POSTS (STEEL). Inspect for dimensions and workmanship.	Certification-Type B Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
81	02 of 06	910.14b	POLES AND POSTS	JOBSITE or SUPPLIER	SIGN POSTS (STEEL). Inspect for dimensions and workmanship.	Buy America Certification	SM1004 (attach Buy America certification(s) in SM)	AV1004 (attach Buy America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
81	03 of 06	910.02 910.14c 910.14d 922.10 922.09	POLES, POSTS, BASES, SIGNAL SUPPORTS AND ANCHOR BOLTS	JOBSITE or SUPPLIER	STRUCTURAL STEEL AND STRUCTURAL ALUMINUM (Pedestal Base, Pole, Cap, Strain Pole, Signal Cantilever Structure & Misc. Materials, Down Guys, Anchors, Rods, Guards and Support Cables.) Inspect for dimensions and workmanship.	Certification-Type C Buy America Certification (For Steel) Build America Certification Construction Product (For Aluminum) Mill Report with Summary Test Report Letter	SM9003 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM) SM1002	AV9003 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP) AV9003
81	04 of 06	910.15	POLES AND POSTS	JOBSITE or SUPPLIER	DELINEATOR POSTS (METAL).	Certification - Type B Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
81	05 of 06	910.15	POLES AND POSTS TEMP. ONLY	JOBSITE or SUPPLIER	DELINEATOR POSTS (METAL)	Visual Inspection	No Sample ID required.	No Sample ID required.
81	06 of 06	926	POLES AND POSTS	JOBSITE or SUPPLIER	DELINEATOR POSTS (PLASTIC).	Approval Number Build America Certification Construction Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
82	01 of 01	910.19	OVERHEAD SIGN STRUCTURES	JOBSITE	ALUMINUM OR STEEL. Inspect for dimensions and workmanship.	Certification-Type C Buy America Certification (For Steel) Build America Certification Construction Product (For Aluminum)	SM9003 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build American certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
83	01 of 02	920.01d	HIGHWAY ILLUMINATION MATERIALS	JOBSITE	LUMINAIRES (Underpass, Roadway, and High Mast) Inspect for dimensions and workmanship.	Certification-Type C (For contracts let prior to 9/1/2017) Approval Number-W# (For contracts let on or after 9/1/2017) Build America Certification Manufactured Product	SM9003 SM9004 SM1005 (attach Build America certification(s) in SM)	AV9003 AV9004 AV1005 (attach Build America certification(s) in AWP)
83	02 of 02	920	HIGHWAY ILLUMINATION MATERIALS	JOBSITE	LIGHTING STANDARDS AND MAST ARMS, HIGH MAST STANDARDS, WIRE AND CABLE, ANCHOR BOLTS, ETC. Inspect for dimensions and workmanship.	Certification-Type C Buy America Certification Build America Certification Construction Product Certified Mill Reports	SM9003 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM) SM1002	AV9003 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP) AV9003
84	01 of 03	919 (various subsections)	TRAFFIC SIGNS	JOBSITE	SHEET SIGNS, PANEL SIGNS, FLEXIBLE ROLL-UP PRISMATIC REFLECTIVE SIGNS, LETTERS, NUMERALS, SYMBOLS, AND ACCESSORIES. Inspect for dimensions and workmanship.	Certification-Type C Build America Certification Construction Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
84	02 of 03	919.01(b)1	TRAFFIC SIGNS	JOBSITE	REFLECTIVE SHEETING.	Approval Number Build America Certification Manufactured Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
84	03 of 03		TRAFFIC SIGNS TEMP. ONLY	JOBSITE	ALL TYPES EXCEPT NON-GROUND MOUNTED SIGNS.	Visual Inspection-per ATSSA Quality Guidelines	No Sample ID required.	No Sample ID required.
85	01 of 02	801.04	CONSTRUCTION SIGNS	JOBSITE	Visually inspect for dimensions and workmanship.	Visual Inspection-per ATSSA Quality Guidelines	No Sample ID required.	No Sample ID required.
85	02 of 02	801.02	CONSTRUCTION TEMPORARY SPEED FEEDBACK ASSEMBLY	JOBSITE	Visually inspect that the unit functions as intended.	Visual Inspection-per ATSSA Quality Guidelines	No Sample ID required.	No Sample ID required.
86	01 of 01	923.03	CONSTRUCTION WARNING LIGHTS	JOBSITE	Check brightness.	Visual Inspection	No Sample ID required.	No Sample ID required.

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
87	01 of 06	922.02 922.03 922.04(a) 922.12 922.13 925 805-T-195	TRAFFIC SIGNAL and ITS DEVICES	JOBSITE and LAB	TRAFFIC SIGNAL CONTROLLER, INTERCONNECT EQUIPMENT, LED SIGNAL HEAD AND PEDESTRIAN SIGNAL HEAD COMPONENTS, EXTERNAL TIME CLOCKS, VEHICLE DETECTION SYSTEMS, CELLULAR MODEM WITH MODEM HARDWARE, MODEM ANTENNA, CELLULAR MODEM WITH MODERN HARDWARE, MODEM ANTENNA, RADIO EQUIPMENT, PREFORMED PAVE-OVER LOOPS	Approval Number (External Document shall be submitted with approval numbers listed for each component when applicable) Certification - Type C Build America Certification Manufactured Product	SM9004 (for each component) SM1002 SM9003 SM1005 (attach Build America certification(s) in SM)	AV9004 (for each component) AV9003 AV9003 AV1005 (attach Build America certification(s) in AWP)
87	02 of 06	922.15 922.14 922.11 922.06 922.07 922.08 922.18 922.20	TRAFFIC SIGNAL MATERIALS AND EQUIPMENT	JOBSITE	CERTIFICATION ONLY EQUIPMENT	Type C Certification Buy America Certification (For Steel) Build America Certification Manufactured Product Build America Certification Construction Product	SM9003 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM) SM1005 (attach Build American certification(s) in SM)	SM9003 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM) SM1005 (attach Build American certification(s) in SM)
87	03 of 06	922.04(b)	TRAFFIC SIGNAL and ITS DEVICES	JOBSITE	PEDESTRIAN PUSH BUTTON (APS and Non-APS)	Approval Number Certification - Type D Build America Certification Manufactured Product	SM9004 SM9003 SM1005 (attach Build America certification(s) in SM)	AV9004 AV9003 AV1005 (attach Build America certification(s) in AWP)
87	04 of 06	801.15(d)1	TRAFFIC SIGNAL EQUIPMENT TEMP. ONLY	SOURCE	FIXED TEMPORARY SIGNAL. For new or used controllers, select from Approved Traffic Signal and ITS Control Equipment.	Approval Number	SM9004	AV9004
87	05 of 06	801.15(d)2	TRAFFIC SIGNAL EQUIPMENT TEMP. ONLY	SOURCE	PORTABLE TEMPORARY SIGNAL. Selected from Approved Portable Signals	Approval Number	SM9004	AV9004
87	06 of 06	104.42 809-T-244	ITS DEVICE MAINTENANCE	JOBSITE	ITS Technology Technician Supervisor or Traffic Signal Supervisor	Visual Inspection & Acceptance	No Sample ID Required	No Sample ID Required
89	01 of 02	805.02 922.17(a)	TRAFFIC SIGNAL HANDHOLE	SOURCE	CONCRETE. Certified Precast Concrete Producers.	Approval Number-Source Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP)
89	02 of 02	805.02 922.17(b)	TRAFFIC SIGNAL HANDHOLE AND COVER	JOBSITE	POLYMER CONCRETE.	Certification-Type C Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
90	01 of 01	910.05b	TRAFFIC SIGNAL EQUIPMENT	JOBSITE	TRAFFIC SIGNAL HANDHOLE RING. Inspect for dimensions and workmanship.	Certification-Type C	SM9003	AV9003
91	01 of 01	926.02(a)	ACRYLIC PLASTIC DELINEATORS	JOBSITE		Approval Number Build America Certification Construction Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
92	01 of 01	926.02(b)	REFLECTIVE SHEETING DELINEATOR	JOBSITE	Inspect for dimensions and workmanship.	Certification-Type C Build America Certification Construction Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
93	01 of 01	926.02(c)	BARRIER DELINEATOR	JOBSITE		Approval Number Build America Certification Construction Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
94	01 of 12	909.05	PAVEMENT MARKINGS (TEMPORARY)	JOBSITE	TRAFFIC PAINT	Visual Inspection	No Sample ID Required	No Sample ID Required
94	02 of 12	909.05 ITM 931 808.07	PAVEMENT MARKINGS	JOBSITE or SUPPLIER	TRAFFIC PAINT: for permanent markings.	Certification - Other (Environmental Properties per 808.02) Longitudinal Lines ≥ 50,000 Linear Feet (total for all painted marking lines per contract): Template required for exception or retroreflectometer testing. Build America Certification Manufactured Product	SM9003 IT931 SM1005 (attach Build America certification(s) in SM)	AV9003 ITM 931 AV1005 (attach Build America certification(s) in AWP)
94	03 of 12	921.02(a) ITM 931 808.07	PAVEMENT MARKINGS	JOBSITE	THERMOPLASTIC.	Certification - Type C Longitudinal Lines ≥ 10,000 Linear Feet (total for all thermoplastic type marking lines per contract): Template required for exception or retroreflectometer testing. Build America Certification Manufactured Product	SM9003 IT931 SM1005 (attach Build America certification(s) in SM)	AV9003 ITM 931 AV1005 (attach Build America certification(s) in AWP)
94	04 of 12	921.02(a) ITM 931 808.07	PAVEMENT MARKINGS	JOBSITE	PREFORMED PLASTIC.	Approval Number Certification - Type C Longitudinal Lines ≥ 10,000 Linear Feet (total for all thermoplastic type marking lines per contract): Template required for exception or retroreflectometer testing. Build America Certification Manufactured Product	SM9004 SM9003 IT931 SM1005 (attach Build America certification(s) in SM)	AV9004 AV9003 ITM 931 AV1005 (attach Build America certification(s) in AWP)
94	05 of 12	921.02(b)	PAVEMENT MARKINGS (TEMPORARY)	JOBSITE	PREFORMED PLASTIC.	Visual Inspection	No Sample ID required.	No Sample ID required.
94	06 of 12	921.02(a) 921.02(b) 808.07	PAVEMENT MARKINGS (SPECIAL MARKINGS)	JOBSITE	THERMOPLASTIC AND PRE-FORMED PLASTIC PAVEMENT MARKING MATERIALS. Transverse markings, Stop Bars, Pavement Message Markings, Railroad Markings, Bicycle Markings etc.	Approval Number Build America Certification Manufactured Product Certification - Type C	SM9004 SM1005 (attach Build America certification(s) in SM) SM9003	AV9004 AV1005 (attach Build America certification(s) in AWP) AV9003
94	07 of 12	921.02(c) ITM 931 808.07	PAVEMENT MARKINGS PERM. ONLY	JOBSITE	MULTI COMPONENT	Certification - Type C Longitudinal Lines ≥ 10,000 Linear Feet (total for all multi-component type marking lines per contract): Template required for exception or retroreflectometer testing. Build America Certification Manufactured Product	SM9003 IT931 SM1005 (attach Build America certification(s) in SM)	AV9003 ITM 931 AV1005 (attach Build America certification(s) in AWP)
94	08 of 12	923.01	PAVEMENT MARKINGS TEMP. ONLY	JOBSITE and SOURCE	TEMPORARY PAVEMENT MARKING TAPE, TYPE I. (Removable)	Approval Number	SM9004	AV9004
94	09 of 12	921.02 (e)	PAVEMENT MARKINGS TEMP. ONLY	POINT OF DELIVERY	BEADS.	Visual Inspection	No Sample ID required.	No Sample ID required.
94	10 of 12	921.02(e)1 921.02(e)2 921.02(e)3	PAVEMENT MARKINGS	POINT OF DELIVERY	BEADS. Bagged.	Approval Number Build America Certification Manufactured Product (921.02(e)1 & 2) Build America Certification Construction Product (921.02(e)3)	SM9004 SM1005 (attach Build America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
94	11 of 12	921.02(e)1 921.02(e)2 921.02(e)3	PAVEMENT MARKINGS	POINT OF DELIVERY	BEADS. Bulk. One quart from each of three randomly selected bulk containers when sampling is required by QPA.	Approval Number Build America Certification Manufactured Product (921.02(e)1 & 2) Build America Certification Construction Product (921.02(e)3)	SM9004 SM1005 (attach Build America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
94	12 of 12	921.02(e)4	PAVEMENT MARKINGS	JOBSITE	SUPPLEMENTAL ELEMENTS Wet Reflective Optics (wet weather retro-reflective)	Approval Number - W# (6 digit) Build America Certification Manufactured Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
95	01 of 01	921.02(d)	SNOWPLOWABLE RAISED PAVEMENT MARKERS	JOBSITE	Inspect for dimensions and workmanship.	Approval Number - Prismatic Reflectors and Cast Metal Base Certification for Epoxy Adhesive - Type B Buy America Certification - Cast Metal Base Build America Certification Manufactured Product	SM9004 SM9003 SM1004 (attach Buy America certification (s) in SM) or SM1005 (attach Build America certification(s) in SM)	AV9004 AV9003 AV1004 (attach Buy America certification(s) in AWP) or AV1005 (attach Build America certification(s) in AWP)
96	01 of 01	923.02	TEMPORARY RAISED PAVEMENT MARKERS	JOBSITE	GRADES 1 AND 2. From Departments List of Approved Temporary Raised Pavement Markings.	Approval Number - W# (6 digit)	SM9004	AV9004
97	01 of 02	923.04(b) 923.04(c) 923.08	FLASHING ARROW SIGN	JOBSITE	Visually inspect for dimensions and workmanship.	Visual Inspection-per ATSSA Quality Guidelines	No Sample ID required.	No Sample ID required.
97	02 of 02	923.04(a) 923.05	SOLAR POWERED TRAFFIC CONTROL DEVICES	JOBSITE	Flashing Arrow Sign, Portable Changeable Message Sign	Approval Number	SM9004	AV9004
98	01 of 01	801.07	STANDARD BARRICADES	JOBSITE	Visually inspect for dimensions and workmanship.	Visual Inspection-per ATSSA Quality Guidelines	No Sample ID required.	No Sample ID required.
99	01 of 01	910.02	STEEL STRUCTURES	JOBSITE or SOURCE	STRUCTURAL STEEL. Inspect for dimensions and workmanship.	External Document-Mill Test Report with Summary Test Results Letter Buy America Certification	SM1002 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
100	01 of 03	910.02(g)	STEEL STRUCTURES	ANY LOCATION	HIGH STRENGTH BOLTS, NUTS, AND WASHERS. Two bolts, two washers and two nuts from each heat number for each size.	Test Results Certification - Other (in accordance with 910.02(g)2.d) that includes test report information, results and statements in accordance with ASTM F3125 Buy America Certification	Sample ID (Templates by M&T) SM9003 SM1004 (attach Buy America certification(s) in SM)	Sample ID (Templates by M&T) AV9003 AV1004 (attach Buy America certification(s) in AWP)
100	02 of 03	910.02(g)	STEEL STRUCTURES	ANY LOCATION	HIGH STRENGTH BOLTS, NUTS, AND WASHERS. For diaphragm connections on prestressed concrete beams.	External Documents-Rotational Capacity, Mill Report and Galvanization when applicable (Attach Documents) Buy America Certification	SM1002 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
100	03 of 03	910.02(g)	STEEL STRUCTURES	ANY LOCATION	HIGH STRENGTH ANCHOR BOLTS	External Documents-Rotational Capacity, Mill Report and Galvanization when applicable (Attach Documents) Buy America Certification	SM1002 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
101	01 of 01	910.02(h)	STEEL STRUCTURES	JOBSITE	BOLTS OTHER THAN HIGH STRENGTH. Inspect for dimensions and workmanship.	Certification-Type C Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
102	01 of 01	910.03	PERMANENT METAL FORMS	JOBSITE or FABRICATOR	PANEL, ACCESSORIES and CLIPS:	Certification-Type A Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
103	01 of 01	910.04	STEEL FORGINGS AND SHAFTINGS	JOBSITE	Inspect for dimensions and workmanship.	External Document-Mill Test Report Buy America Certification	SM1002 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
104	01 of 02	910.05(a) 910.05(b)	CASTING (STEEL AND IRON)	JOBSITE	Inspect for dimensions and workmanship.	Certification-Other (Certified Inspection Report) Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
104	02 of 02	615.04	STEEL PIN	JOBSITE	Inspect for dimensions and workmanship. (Steel Pin 1" x 5")	Buy America Certification	SM1004 (attach Buy America certification(s) in SM)	AV1004 (attach Buy America certification(s) in AWP)
105	01 of 01	910.06a	BRONZE CASTINGS	JOBSITE	Inspect for dimensions and workmanship.	Certification-Type A Build America Certification Construction Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
106	01 of 01		SHEET LEAD AND ZINC	JOBSITE	Sample when directed.	Visual Inspection	No Sample ID required.	No Sample ID required.
107	01 of 01	711.33 910.23	STEEL STRUCTURES	JOBSITE	STUD SHEAR CONNECTORS. Inspect for dimensions and workmanship.	External Document-Mill Test Report with Summary Test Results Letter Buy America Certification Certification - Type A	SM1002 SM1004 (attach Buy America certification(s) in SM) SM9003	AV9003 AV1004 (attach Buy America certification(s) in AWP) AV9003
108	01 of 04	707.09 714.06(b) 723.11	GROUT	JOBSITE	PRE-PACKAGED. Non-shrink in accordance with ASTM C1107. For precast members and box culverts.	Certification-Type C	SM9003	AV9003
108	02 of 04	714.06(b) 723.11	GROUT	JOBSITE	CONVENTIONAL FINE. In accordance with ASTM C476. For box culverts.	Air Content, One per Structure	T 152	T 152
108	03 of 04	714.06(b) 723.11	GROUT	JOBSITE	SELF-CONSOLIDATING FINE. In accordance with ASTM C476. For box culverts.	Air Content, One per Structure Slump Flow, One per Structure Visual Stability Index, One per Structure	T 152 (Note in remarks. Tests in accordance with ASTM C476.)	T 152 (Note in remarks. Tests in accordance with ASTM C476.)
108	04 of 04	204.02 701.02 913.06	BENTONITE CHIPS AND POWDER	JOBSITE	WHEN USED TO MAKE BENTONITE - CEMENT GROUT	Certification - Type C	SM9003	AV9003
109	01 of 01	901.06	SEALER HEALER (LATEX OVERLAYS)	JOBSITE	FOR SHRINKAGE CRACK REPAIR AS DIRECTED. One 1 qt random verification sample required per year per manufacturer as directed.	Approval Number Build America Certification Manufactured Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
110	01 of 05	213.03(a)	FLOWABLE BACKFILL	JOBSITE	STANDARD FLOWABLE BACKFILL MIX DESIGN APPROVAL. Batch proportioning as specified for Removable, Type 4-1 or Type 4-2, or Non-Removable, Type 5-1 or 5-2. Minimum 150 lb/cu yd of fly ash is required if placed around pipe. The Contractor is responsible for verifying flowable backfill meets performance and mix criteria.	N/A	No Sample ID required.	No Sample ID required.
110	02 of 05	213.03(b)	FLOWABLE BACKFILL	JOBSITE	CONTRACTOR-DESIGNED MIX DESIGN APPROVAL. Trial Batch Required: One flow consistency, one lightweight dynamic cone penetration test, and one dry unit weight test. Minimum 150 lb/cu yd of fly ash is required if placed around pipe.	N/A	No Sample ID required.	No Sample ID required.

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
110	03 of 05	213	FLOWABLE BACKFILL	JOBSITE	FIELD APPLICATION Approved mix design required.	Visual (For PLN quantity ≤ 100 cyd).	No Sample ID required.	No Sample ID required.
110	04 of 05	213	FLOWABLE BACKFILL	JOBSITE	FIELD APPLICATION Approved mix design required.	Yield (using 1/4 cu. yd. box) 1/100 cyd, if using continuous mixer.	SM7009	AV7009
110	05 of 05	213.07	FLOWABLE BACKFILL	JOBSITE	FIELD APPLICATION (Application of Load). The flowable backfill shall not be subjected to load or disturbed by construction activities until a lightweight DCP test has produced the minimum blow count specified.	Lightweight DCP (ITM 216), minimum 1 per pour location (prior to subsequent construction activity or loading).	IT216	ITM216
111	01 of 02	216 ITM 522	CELLULAR CONCRETE FILL	JOBSITE	A lot is 500 cyd placed.	Approval Number Four 3 in. by 6 in. cylinders per lot for compressive strength at 28 days	SM9004 C495	AV9004 C495
111	02 of 02	216	CELLULAR CONCRETE FILL	JOBSITE	3 Lightweight DCP Tests for every 500 sft	Lightweight DCP (ITM 216)	IT216	ITM 216
112	01 of 01	725.07	CELLULAR CONCRETE GROUT	JOBSITE		Certification-Type A Four 3 in. by 6 in. cylinders for compressive strength for each 100 cyd by Contractor.	SM9003 T22	AV9003 T22
113	01 of 02	905.05	DETECTABLE WARNING SURFACES	JOBSITE	NON-METALLIC DETECTABLE WARNING SURFACES AND ANCHORS. Inspect each element	Approval Number Build America Certification Manufactured Product	SM9004 SM1005 (attach Build America certification(s) in SM)	AV9004 AV1005 (attach Build America certification(s) in AWP)
113	02 of 02	905.05	DETECTABLE WARNING SURFACES	JOBSITE	CAST IRON DETECTABLE WARNING SURFACES OR COMPOSITE DETECTABLE WARNING SURFACES WITH STEEL ANCHORS. Inspect each element.	Approval Number Buy America Certification	SM9004 SM1004	AV9004 AV1004
114	01 of 01	411	MICROSURFACING (WARRANTY)	JOBSITE	One DMF required per course.	Approval Number-DMF Number	SM9004	AV9004
115	01 of 01	414	ULTRATHIN BONDED WEARING COURSE (WARRANTY)	JOBSITE	One DMF required per course.	Approval Number-DMF Number	SM9004	AV9004
116	01 of 01	907.08 907.09 907.10	CLAY PIPE OR TILE	JOBSITE	Inspect for dimensions and workmanship.	Certification-Type C	SM9003	AV9003
117	01 of 03	RSP 627-R-546	CABLE BARRIER SYSTEM	JOBSITE	SYSTEM	Approval Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)	AV9004 AV1004 (attach Buy America certification(s) in AWP)
117	02 of 03	RSP 627-R-546	CABLE BARRIER SYSTEM	JOBSITE	WIRE ROPE. Inspect for dimensions and workmanship.	Certification-Type A including thickness of zinc coating, minimum breaking strength, the modulus of elasticity and the force applied to pre-stretch the wire rope. One certification per each spool. Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
117	03 of 03	RSP 627-R-546	CABLE BARRIER SYSTEM	JOBSITE	INTERMEDIATE LINE POSTS, THREADED TERMINALS, TURNBUCKLES, ANCHOR FITTINGS AND RETROREFLECTIVE SHEETING. Visually inspect for dimensions and workmanship.	Certification-Type C Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
118	01 of 01	920.01 922.19	CONDUIT	JOBSITE	CONDUIT FOR LIGHTING. Polyethylene (MDPE or HDPE). CONDUIT FOR SIGNALS.	Certification-Type C Buy America Certification Build America Certification Construction Product (MDPE or HDPE only)	SM9003 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
119	01 of 01	702.03 906.08	HIGH DENSITY BEARING STRIP	JOBSITE	Multipolymer plastic.	Certification - Type B Build America Certification Construction Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
120	01 of 01	RSP 205-C-231	EROSION CONTROL TEMP. ONLY	JOBSITE	TEMPORARY TURBIDITY CURTAIN. For water quality.	Certification - Type B	SM9003	AV9003
121	01 of 01	720.04	MANHOLE GRADE RINGS	JOBSITE	GRADE RINGS. Other than precast concrete.	Certification-Type C Buy America Certification (steel or iron) Build America Certification Construction Product (other than steel or iron)	SM9003 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
122	01 of 02	RSP 738-B-297	WARRANTIED POLYMER OVERLAY, BRIDGE DECK	JOBSITE	WARRANTIED. Aggregates, Epoxy Polymer, Surface Cleanliness Verification Testing	Aggregates - Approval Number Polymer - Approval Number Verification Testing	SM9004 SM9004 No Sample ID Required	AV9004 AV9004 No Sample ID Required
122	02 of 02	RSP 738-B-297	POLYMER OVERLAY, OTHER CONCRETE SURFACE	JOBSITE	RCBA, NON-WARRANTIED. Aggregates, Epoxy Polymer, Surface Cleanliness Verification Testing	Aggregates - Approval Number Polymer - Approval Number Verification Testing	SM9004 SM9004 No Sample ID Required	AV9004 AV9004 No Sample ID Required
123	01 of 03	RSP 620-R-483	SOUND BARRIER SYSTEMS	JOBSITE	ALL TYPES.	Approval Number Build America Certification Manufactured Product Visual Inspection - Comparison with a Control Sample	SM9004 SM1005 (attach Build America certification(s) in SM) No Sample ID Required	AV9004 AV1005 (attach Build America certification(s) in AWP) No Sample ID Required
123	02 of 03	RSP 620-R-483	SOUND BARRIER SYSTEMS	JOBSITE	COMPONENTS. (Joint mortar, Structural Aluminum Posts, Structural Steel Brackets (Structural Steel).)	Certification - Type C Mill Certification Buy America Certification (For Steel) Build America Certification Construction Product (For Aluminum)	SM9003 External Document SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9003 External Document AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
123	03 of 03	RSP 620-R-483	SOUND BARRIER SYSTEMS	JOBSITE	CONCRETE MASONRY UNITS.	Certification -Type A	SM9003	AV9003
124	01 of 02	RSP 625-R-194	GABIONS AND REVET MATTRESS	JOBSITE	GABIONS.	Certification -Type A Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP)
124	02 of 02	RSP 625-R-194	GABIONS AND REVET MATTRESS	JOBSITE	REVE MATTRESS. SOIL ANCHOR STAKES.	Certification -Type A Certification -Type C Buy America Certification	SM9003 SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV9003 AV1004 (attach Buy America certification(s) in AWP)
125	01 of 01	807.15	SERVICE POINT	JOBSITE	ALL TYPES. Includes components such as poles, conduit, weatherhead, ground rod/cable, meter box, etc.	Certification -Type C Buy America Certification Build America Certification Manufactured Product	SM9003 SM1004 (attach Buy America certification(s) in SM) SM1005 (attach Build America certification(s) in SM)	AV9003 AV1004 (attach Buy America certification(s) in AWP) AV1005 (attach Build America certification(s) in AWP)
126	01 of 03	907.23 715.02(I)	ROADWAY DRAIN CASTING EXTENSION	JOBSITE	SMOOTH WALL PVC PIPE.	Pipe (Certification-Type C) Mounting Hardware (Certification-Type C) Build America Certification Construction Product	SM9003 SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV9003 AV1005 (attach Build America certification(s) in AWP)

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
126	02 of 03	907.28 715.02(l)	ROADWAY DRAIN CASTING EXTENSION	JOBSITE	REINFORCED THERMOSETTING RESIN PIPE	Pipe (Certification-Type A) Mounting Hardware (Certification-Type C) Build America Certification Construction Product	SM9003 SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV9003 AV1005 (attach Build America certification(s) in AWP)
126	03 of 03	908.10 715.02	ROADWAY DRAIN CASTING EXTENSION	JOBSITE	CAST IRON SOIL PIPE. Field check for dimensions and weight.	Pipe (Certification-Type C) Mounting Hardware (Certification-Type C) Buy America Certification	SM9003 SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV9003 AV1004 (attach Buy America certification(s) in AWP)
127	01 of 02	908.10 715.02(n)	BRIDGE DECK DRAIN SYSTEM	JOBSITE	CAST IRON SOIL PIPE. Field check for dimensions and weight.	Pipe (Certification-Type C) Mounting Hardware (Certification-Type C) Buy America Certification	SM9003 SM9003 SM1004 (attach Buy America certification(s) in SM)	AV9003 AV9003 AV1004 (attach Buy America certification(s) in AWP)
127	02 of 02	907.28 715.02(n)	BRIDGE DECK DRAIN SYSTEM	JOBSITE	REINFORCED THERMOSETTING RESIN PIPE	Pipe (Certification-Type A) Mounting Hardware (Certification-Type C) Build America Certification Construction Product	SM9003 SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV9003 AV1005 (attach Build America certification(s) in AWP)
128	01 of 01	901.07	CONCRETE PATCHING MATERIALS	JOBSITE	RAPID SETTING PATCH MATERIAL	Approval Number (W Number)	SM9004	AV9004
129	01 of 01	725-R-741	PIPE LINERS	JOBSITE	CURED-IN-PLACE-LINER (CIPP). Testing of CIPP in accordance with ASTM D 5813, Section 7.3. Report Flowable Backfill, Non-Removable, and/or Cellular Concrete Grout, as applicable.	Certification-Type A (Referencing ASTM D 5813, Section 7.3) Build America Certification Construction Product Temperature Submittal Pre Video Inspection Submittal	SM9003 SM1005 (attach Build America certification(s) in SM) SM9003	AV9003 AV1005 (attach Build America certification(s) in AWP) AV9003
130	01 of 01	708.02	PNEUMATICALLY PLACED MORTAR	JOBSITE	All mixture constituents must come from approved lists.	Portland Cement - Approval Number (W#) Fine Aggregate - Approval Number (CAPP Q and D) Fly Ash (If Used) - Approval Number (W#)	SM9004 IT211 SM9004	AV9004 AV9004 AV9004
131	01 of 01	206.08	PREPARATION OF FOUNDATION: SPREAD FOOTING ON ROCK	JOBSITE	Drilling three 2 in. diameter holes 5 ft depth into rock	External Document (One report per abutment)	SM1002	AV9003
132	01 of 01	217.09	SOIL DRYING OR SUBGRADE FOUNDATIONS	JOBSITE	12 in. per lift	2 DCP tests per 1000 ft One moisture test per 4 hours of lime soil mixing One gradation test per 2500 ft	IT509 IT506 IT516	ITM 509 ITM 506 ITM 516
133	01 of 01	203.26 219.14	PROOFROLLING	JOBSITE	Complete coverage (Truck is to drive over entire surface.)	Visual Inspection Corrective Action: Original ground or Embankment Foundation: Greater than 1" with 15 ton Dump Truck Embankment constr, subgrade, or subbase: Greater than 1/2" with 33 ton Dump Truck Cement stabilization subgrade soil: Greater than 1/4" with 33 ton Dump Truck	No Sample ID Required.	No Sample ID Required.
134	01 of 01	906.01	JOINT FILLER	JOBSITE	JOINT FILLERS. Preformed materials for use in PCCP or as otherwise specified.	Certification-Type B Build America Certification Manufactured Product	SM9003 SM1005 (attach Build America certification(s) in SM)	AV9003 AV1005 (attach Build America certification(s) in AWP)
134	02 of 02	906.03	JOINT FILLER	JOBSITE	PREFORMED EXPANSION JOINT FILLER (PEJF). For Bridge Component Interfaces.	Visual Inspection Build America Certification Manufactured Product	No Sample ID Required. SM1005 (attach Build America certification(s) in SM)	No Sample ID Required. AV1005 (attach Build America certification(s) in AWP)
135	01 of 01	218.05	QC/QA FOR SOIL FILL SECTIONS AND SUBGRADE	JOBSITE	Maximum Dry Density	One at start of work and one for every change in soil type	IT512	ITM 512

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136	01 of 01	219.12	CEMENT STABILIZED SUBGRADE SOIL	JOBSITE	Stiffness	Three LWD tests per 2,000 sq yd	IT508	ITM 508
137	01 of 01	801.03 923.09	ADA COMPLIANT WORKZONE DEVICES	JOBSITE	Temporary Curb Ramps, Temporary Pedestrian Path, Temporary Pedestrian Channelizer, Audible Information Devices	Approval Number	SM9004	AV9004
138	01 of 01	617	HIGH FRICTION SURFACE TREATMENT (HFST)	JOBSITE	Friction Number Mean Profile Depth	Type A Certification Friction Number Testing Performed by Research Division: 1 per location or 1 every 1500 lane feet, whichever is shorter 24-72 hours after HFST application. Mean Profile Depth Contractor Performed Testing : 1 per location or 1 every 1500 lane feet, whichever is shorter	SM9003	AV9003
139	01 of 01	729	HEAT STAIGHTENING OF STEEL MEMBERS IN THE FIELD	JOBSITE		Departments List of Steel Structural Member Repairers or hold a Current Certification with work Type 0050 from INDOT 1 Post-Repair Liquid Penetrant Test or Magnetic Particle Test per Impact Location by a certified ASNT recommended SNT-TC-1A or ANSI/ASNT Level II Inspector	SM9004 of SM9003 SM9003	AV9004 or AV9003 AV9003
140	01 of 02	713	TEMPORARY BRIDGES AND APPROACHES	JOBSITE	ALL NEW MATERIALS	Visual Inspection Required Verify that all new materials are being used with appropriate paperwork.	Visual	Visual
140	02 of 02	713	TEMPORARY BRIDGES AND APPROACHES	JOBSITE	SOME SALVAGED MATERIALS	Certification -Type Other	SM9003	AV9003
141	01 of 01	204.04	VIBRATING WIRE SETTLEMENT SYSTEMS	JOBSITE	Settlement Systems shall consist of sensor, tubing and reservoir systems Backfill per 204.04(a)	Approval Number Qualified Geotechnical Consultant for Installation Approved Install with 3 Acceptable Readings	SM9003 Visual Visual	AV9003 Visual Visual
142	01 of 01	204.07	CRACK GAUGE	JOBSITE	Crack Gauges shall be provided in accordance with the type or configuration specified on the plans.	Visually Accept from Systems in the Geotechnical Report	Visual	Visual
143	01 of 01	801-T-236	QUEUE TRUCK	JOBSITE		Visually Inspect QUEUE WARNING FEATURES and OTHER FEATURES	Visual	Visual

REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	SM ACCEPTANCE TEMPLATES	AWP ACCEPTANCE TEMPLATES
144	01 of 01	728-B-203	DRILLED SHAFT CONCRETE	JOBSITE	CMD Required Air, Slump, Unit Weight, Relative Yield - 1st Load & Every 30 cyds after 4 Cylinders (2 for 7 days, 2 for 28 days) - Every 60 cyds to test 7 day (for information) & 28 day (for acceptance) Compressive Strength CSL Testing IRS Testing	QCP Approval - min of 45 days prior to start T152, T119, T121 T22 Visual Visual	Visual T152, T119, T121 T22 Visual Visual	
145	01 of 01	204.03 204.06	SETTLEMENT PLATE & SETTLEMENT MONUMENT	JOBSITE		Dimensions and Materials per Specifications	Visual	Visual
146	01 of 01	204.05	STANDPIPE PIEZOMETERS	JOBSITE	CAPP Approved Aggregates & B-Borrow Backfill per 204.04	B-Borrow CA 53's Ottawa Sand Qualified Geotechnical Consultant for Installation Instrumentation	IT211 IT211 Visual Visual Visual	AV9004 AV9004 Visual Visual Visual