

**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.

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 do not require acceptance documentation unless 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 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.

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- F. SiteManager 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 -- (Acceptance Template SM1004) 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.

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REF	SUB REF.	SPEC. REF.	ITEM	JOB CONTROL LOCATION	JOB CONTROL NOTES	JOB CONTROL FREQUENCY	ACCEPTANCE TEMPLATES
1	01 of 03	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.	No Sample ID Required (for Type A Cert) SM9015 (Verification by INDOT Testing)
1	02 of 03	902.01a 408.06 406.02	ASPHALT MATERIALS	JOBSITE	ASPHALT BINDER (PG64-22). Used to fill cracks in existing asphalt pavement, or used as tack coat	Certification-Type A	SM9003
1	03 of 03	902.01b through 902.01e	ASPHALT MATERIALS	POINT OF DELIVERY	NON-PAVING GRADES. Emulsions (b), Utility Asphalt (d), Pipe Coating (e)	Emulsion Certification-Type C Utility and Pipe 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
2	01 of 13	401.05	QC/QA-HMA	JOBSITE	Schedule to apply to each type of mixture.	Binder Content Bulk Specific Gravity Maximum Specific Gravity Gradation 1 each per subplot for ≥300 ton, per CLN.	IT586 or IT571 T 166 or T 331 T 209 T 30
2	02 of 13	401.05	QC/QA-HMA	JOBSITE	Schedule to apply to each type of mixture.	Certification-Type D for <300 ton, per CLN	SM9003
2	03 of 13	410.05	SMA	JOBSITE	Schedule to apply to surface course only.	Binder Content Gradation 1 each per subplot.	IT586 or IT571 T 30
2	04 of 13	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
2	05 of 13	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
2	06 of 13	402.04 402.07 402.09 ITM 583	HMA	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.	SM9003
2	07 of 13	403.05	CMA	MIXING PLANT	Schedule to apply to each type of mixture.	Certification-Type D	SM9003
2	08 of 13	307 308	FULL DEPTH RECLAMATION	JOBSITE	FDR Cement FDR Asphalt Emulsion	Certification - Type D (1 Per Day of Production in accordance with ITM 804).	SM 9003
2	09 of 13	416	COLD RECYCLING	JOBSITE	Cold-In-Place Recycling, CIR	Certification - Type D (1 Per Day of Production in accordance with ITM 804).	SM 9003
2	10 of 13	417	COLD RECYCLING	JOBSITE	Cold Central Plant Recycling, CCPR	Certification - Type D (1 Per Day of Production in accordance with ITM 804).	SM 9003

2	11 of 13	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
2	12 of 13	401.18(a) and ITM 912, Sec 5.0	PROFILOGRAPH, HMA	JOBSITE	For Contracts which include the Profilograph, HMA 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).	IT912
2	13 of 13	RSP 401-R-577	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).	IT917
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
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
4	01 of 06	915.01 or 915.02 or 910.21	STEEL PILES	JOBSITE	UNCOATED STEEL H PILES, STEEL ENCASED CONCRETE PILES AND STEEL SHEET PILES.	External Document-Mill Certification Buy America Certification	SM1002 SM1004 (attach Buy America certification(s) in SM)
4	02 of 06	915.01 or 915.02 or 910.21	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	SM1002 SM9003 SM9004 SM1004 (attach Buy America certification(s) in SM)
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)
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)
4	05 of 06	910.21	STEEL PILES	JOBSITE	STEEL SHEET PILES. Temporary.	Visually inspect for suitability of use. Buy America Certification	No Sample ID required. SM1004 (attach Buy America certification(s) in SM)
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)
5	01 of 01	911.01e	WOODEN PILES (TEMPORARY)	ANY LOCATION PRIOR TO USE	UNTREATED.	Visually inspect each piece for species, straightness and quality.	No Sample ID required.

6	01 of 01	915.04	ELASTOMERIC BEARING 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. Buy America Certification	SM9003 Sample ID Number (from M&T) SM1004 (attach Buy America certification(s) in SM)
7	01 of 04	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	SM9003 SM9003 SM1004 (attach Buy America certification(s) in SM)
7	02 of 04	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	SM9003 SM9003 SM1004 (attach Buy America certification(s) in SM)
7	03 of 04	906.07c	BRIDGE EXPANSION JOINTS	JOBSITE	Type PCF (Pre-Compressed Foam Joint). For Bridge Joints, Terminal Joint, Type PCCP, etc.	Approval Number	SM9004
7	04 of 04	RSP 724-B-145	BRIDGE EXPANSION JOINTS	JOBSITE	EXPANSION JOINT SEALING SYSTEM	Certification for Silicone Sealant - Type A Certification for Polymer Nosing System Binder - Type A Certification for Polymer Nosing System Mortar - Type A Certification for Bond Breaker - Type C	SM9003 SM9003 SM9003 SM9003
8	01 of 01	904	AGGREGATES	CAPP SOURCE	USED IN CONCRETE AND HMA PLANTS.	Approval Number	IT211
9	01 of 02	901.01	CEMENT	BATCH PLANT	One 12 lb random verification sample required as directed by Directive 401.	Approval Number	SM9004 SM1002
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 SM1002
10	01 of 02	901.08	BAGGED CEMENTS	JOBSITE	Portland and Masonry cements.	< 75 Bags Visual Inspection	No Sample ID required.
10	02 of 02	901.08	BAGGED CEMENTS	JOBSITE	Portland and Masonry cements.	≥ 75 Bags, test results (from M&T) One unopened bag for each 250 bags.	
11	01 of 01	901.08	BAGGED MORTAR MIX	JOBSITE	All packages shall be identified as conforming to ASTM C-387.	Visual Inspection	No Sample ID required.
12	01 of 02	912.03	CONCRETE ADMIXTURE	BATCH PLANT	TYPE A, B, C, D, E, F, G, and AIR ENTRAINMENT	Approval Number	SM9004
12	02 of 02	912.04	CONCRETE ADMIXTURE	BATCH PLANT	LATEX MODIFIER	Approval Number and Certification - Type B	SM9004 SM9003
13	01 of 04	912.01(e)	CONCRETE CURING MATERIALS	JOBSITE	LIQUID MEMBRANE FORMING CURING COMPOUNDS.	Approval Number (W-Number)	SM9004

13	02 of 04	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.
13	03 of 04	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.	Templates per Division of M&T.
13	04 of 04	912.02	CONCRETE CURING MATERIALS	JOBSITE	CONCRETE SEALERS, PROPRIETARY. One 1 qt random verification sample required per year per manufacturer as directed. Sample at sprayer nozzle.	Approval Number Certification-Type C	SM9004 SM9003
14	01 of 02	702.23	CONCRETE WATER PROOFING MATERIALS	JOBSITE	Treated cotton fabric, woven glass fabric and glass fiber material.	Certification-Type C	SM9003
14	02 of 02	702.23	CONCRETE WATER PROOFING MATERIALS	JOBSITE	Asphalt for waterproofing.	Certification-Type A	SM9003
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	T 121QC T 152QC IT403Q
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
15	3 of 27	501.05	CONCRETE	JOBSITE	PAVEMENT-QC/QA-PCCP (Acceptance). Approved CMD Required.	Flexural: two beams per 2400 syd	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.	Age requirement or Strength by maturity method or Flexural Strength	No Sample ID required. No Sample ID required. No Sample ID required.
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
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.
15	7 of 27	502.18	CONCRETE	JOBSITE	PAVEMENT-PCCP (NON QC/QA) (Opening to Traffic). Test beams shall be obtained at the end of each day's production.	Age requirement Flexural Strength	No Sample ID required. No Sample ID required.
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
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
15	10 of 27	609.12	CONCRETE	JOBSITE	BRIDGE APPROACHES (Opening to Traffic). Test beams shall be obtained at the end of each day's production.	Age requirement or Flexural Strength	No Sample ID required. No Sample ID required.

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.
15	12 of 27	702.13g	CONCRETE	JOBSITE	STRUCTURES (Form removal). Test beams shall be obtained at the end of each day's production.	Age requirement or Flexural Strength	No Sample ID required. T 97 T 22
15	13 of 27	702.24	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.	Age requirement or Flexural Strength and/or Compressive Cylinders	No Sample ID required. T97 T22
15	14 of 27	702.24	CONCRETE	JOBSITE	STRUCTURES (Opening to Traffic or Form Removal or Load Application)	Flexural Strength Compressive Cylinders	No Sample ID required. T 22
15	15 of 27	502 702	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 ≤ 40 cyd)	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 ≤ 40 cyd)	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
15	18 of 27	722.12	CONCRETE	JOBSITE	BRIDGE DECK OVERLAY. LATEX-MODIFIED (Opening to Traffic when Contractor elects to decrease the dry cure timeline per 722.12 .) Test cylinders shall be obtained at the end of each day's production. (Wet cure time shall not be reduced.)	Compressive Cylinders (optional) 2 (min.)/day	T 22
15	19 of 27	722	CONCRETE	JOBSITE	BRIDGE DECK OVERLAY. LATEX-MODIFIED, VERY EARLY STRENGTH (VES) (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 T 152 T 119LM
15	20 of 27	722	CONCRETE	JOBSITE	BRIDGE DECK OVERLAY. LATEX-MODIFIED, VERY EARLY STRENGTH (VES) (Acceptance). Test cylinders shall be obtained at the end of each day's production.	Opening to Traffic: After 3 hr wet cure is complete. Minimum 2,500 psi compressive strength after 3 hr wet cure has concluded.	T 22
15	21 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 1/20 cyd Air Content 1/20 cyd Slump 1/20 cyd Compressive Cylinders, 4 cylinders/20 cyd (2 for 7 day, 2 for backup) W/C Ratio 1/day	T 121 T 152 T 119 T 22 IT403

15	22 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)
15	23 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)
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)
15	25 of 27	501.25(a) 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).	IT912
15	26 of 27	RSP 501-R-752	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).	IT917
15	27 of 27	912.06	CONCRETE	JOBSITE	SYNTHETIC FIBERS FOR USE IN PCC	Approval Number	SM9004
16	01 of 11	910.01b	REINFORCING STEEL	CERTIFIED MANUFACTURER	REINFORCING BAR-UNCOATED. Straight or Spiral. One 5 ft random verification sample required per year per manufacturer as directed.	Approval Number-J Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)
16	02 of 11	910.01b9	REINFORCING STEEL	CERTIFIED COATER	REINFORCING BAR-COATED. Straight, Bent, or Spiral. One 5 ft random verification sample required per year per manufacturer as directed.	Approval Number-J Number (Certified Reinforcing Bar Epoxy Coater) Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)
16	03 of 11	910.01b10	REINFORCING STEEL	CERTIFIED COATER	DOWEL. One random verification sample required per year per manufacturer as directed.	Approval Number-J Number (Certified Reinforcing Bar Epoxy Coater) Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)

16	04 of 11	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)
16	05 of 11	910.01(b)5	REINFORCING STEEL	JOBSITE	WELDED WIRE. Except for use in pneumatically placed mortar; see reference 6 of 11.	Approval Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)
16	06 of 11	910.01(b)5	REINFORCING STEEL	JOBSITE	WELDED WIRE REINFORCEMENT (WWR). Used for Pneumatically Placed Mortar Only.	Certification - Type A Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)
16	07 of 11	910.01b2	REINFORCING STEEL	JOBSITE	THREADED TIE BAR ASSEMBLY. For each bar size.	For ≤ 10 units of each bar size, visual inspection Buy America Certification	No Sample ID required. SM1004 (attach Buy America certification(s) in SM)
16	08 of 11	910.01b2	REINFORCING STEEL	JOBSITE	THREADED TIE BAR ASSEMBLY. For each bar size.	For > 10 units, two complete assemblies when less than 8 ft, one complete assembly otherwise, for each 4000 assemblies. Buy America Certification	SM9009 Epoxy Assemblies or SM9009 Plain Assemblies SM1004 (attach Buy America certification(s) in SM)
16	09 of 11	910.01b3	REINFORCING STEEL	JOBSITE	SPLICING SYSTEM for reinforcing bar. Two 3 ft bars and coupler random verification sample required per year per manufacturer as directed.	Approval Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)
16	10 of 11	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.	Approval Number Sample ID Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)
16	11 of 11	901.05	REINFORCING STEEL	JOBSITE	CHEMICAL ANCHOR SYSTEM. One 1 qt random verification sample required per year per manufacturer as directed.	Approval Number Buy America Certification	SM9004 SM1004 (attach Buy America certification(s) in SM)
17	01 of 10	906.02a	CRACK, JOINT and LOOP SEALANT	JOBSITE, SOURCE, or DISTRIBUTOR	SINGLE COMPONENT LOW MODULUS.	Approval Number	SM9004
17	02 of 10	906.02a2	CRACK, JOINT and LOOP SEALANT	JOBSITE, SOURCE, or DISTRIBUTOR	HOT Poured JOINT SEALANT.	Certification Type A	SM9003
17	03 of 10	906.02a	HOT Poured JOINT ADHESIVE	JOBSITE	HOT Poured JOINT ADHESIVE. Used to seal joint between adjacent HMA surface and int. courses.	Certification for Joint Adhesive - Type A	SM9003
17	04 of 10	902.01b	ASPHALT EMULSION	JOBSITE	LIQUID ASPHALT SEALANT. AE-NT, RPE, or SS-1h. Used over finished HMA surface joint to prevent water intrusion.	Certification for Liquid Asphalt Sealant - Type C	SM9003
17	05 of 10	902.01f	ASPHALT MATERIALS	JOBSITE	VOID REDUCING ASPHALT MEMBRANE. VRAM. Used under finished HMA surface joint to prevent water intrusion.	Certification for VRAM - Type A	SM9003
17	06 of 10	408 902.01(a) 902.01(b)	CRACK, JOINT and LOOP SEALANT	JOBSITE	PAVING GRADES AND NON PAVING GRADES. Material in storage for more than 60 days without testing must be sampled, tested and approved prior to use.	Certification Type A	SM9003
17	07 of 10	906.02a3	CRACK and JOINT FILLER	JOBSITE, SOURCE, or DISTRIBUTOR	PREFORMED ELASTOMERIC JOINT SEAL.	Certification for joint material-Type A	SM9003

17	08 of 10	Special Provision	CRACK and JOINT FILLER	JOBSITE, SOURCE, or DISTRIBUTOR	PREFORMED JOINT FILLER FOR CONCRETE.	Certification - Type B One 5 ft sample of each thickness for each 1000 sy per shipment.	SM9003
17	09 of 10	906.02a1 906.02b	CRACK and JOINT FILLER	JOBSITE, SOURCE, or DISTRIBUTOR	SILICONE JOINT SEALANTS FOR I-A JOINTS. Transverse joints for RCBA's (Included in the cost of the RCBA).	Approval Number Certification for Backer Rod - Type C	SM9004 SM9003
17	10 of 10	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	SM9003 SM9003 SM9003
18	01 of 03	909.09	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)	SM9004
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.
18	03 of 03	709.05b	SILICA SAND BULK	JOBSITE		Certification-Type C (Applies only to contracts let prior to 9/1/2019)	SM9003
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	SM9004
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	SM9003
20	02 of 02	909.12	EPOXY	JOBSITE	RESIN ADDITIVES. For injection into cracks in hardened concrete.	Certification-Type C	SM9003
21	01 of 01	506.02	BONDING AGENT	JOBSITE	For grout finish.	Approval Number	SM9004
22	01 of 05	211.02, 904.06	B BORROW / STRUCTURE BACKFILL, GRADATION	CAPP SOURCE	ALL USES.	Approval Number-Approved CAPP Source	IT211
22	02 of 05	211.02, 904.06	B BORROW / STRUCTURE BACKFILL, GRADATION	PIT, OTHER (NON-CAPP SOURCE)	1 cyd=3000 lb for material placed above water.	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

22	03 of 05	211.02	B BORROW, DENSITY, STRENGTH, OR STIFFNESS AND MOISTURE	JOBSITE	1 cyd=3000 lb for material placed above water.	One in- place density or, stiffness, or strength test for each 700 cys.,-for each lift, minimum one sample. A minimum of one moisture test per day. The testing frequency in SiteManager 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)
22	04 of 05	211.02	STRUCTURE BACKFILL, DENSITY OR STIFFNESS AND MOISTURE	JOBSITE	1 cyd=3000 lb for material placed above water.	One in-place density or stiffness test per 500 cyd, minimum one sample. A minimum of one moisture test per day is required. The testing frequency in SiteManager 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)
22	05 of 05	731.11	STRUCTURE BACKFILL	JOBSITE	FOR RETAINING WALL SYSTEMS (MSE and MODULAR BLOCK)	Certification-Type A	SM9003
23	01 of 03	303.06	COMPACTED AGGREGATE GRADATION	SOURCE	ALL USES.	Approval Number-Approved CAPP Source	IT211
23	02 of 03	303.06	COMPACTED AGGREGATE DENSITY OR STIFFNESS AND MOISTURE	JOBSITE	ALL USES.	For < 20 T or if depth of material < 3 in. no density or stiffness testing is required. Otherwise, 1/800 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 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
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
24	01 of 02	302.06	SUBBASE, GRADATION	SOURCE	ALL USES.	Approval Number-Approved CAPP Source	IT211
24	02 of 02	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, 1/800 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 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

25	01 of 01	203.23 207.03 218.05	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 will need to be changed to reflect actual number of moisture tests required for the per PLN.	T 267, T 90, T 99, and ITM 510 (when applicable) IT509 or T 191 IT506
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
26	02 of 05	207.03 215.09 218.05	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 will need to be changed to reflect actual number of moisture tests required per PLN.	IT509 or IT508 IT506 (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
26	04 of 05	207.03 301.05	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 will need to be changed to reflect actual number of moisture tests required per PLN.	IT508 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

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)
32	01 of 02	910.09	GUARDRAIL	JOBSITE	STEEL W BEAM, THRIE BEAM, W TO THRIE BEAM TRANSITION PIECES. SPLICE PLATES, TERMINAL ENDS, BUFFER ENDS, AND FASTENERS. For use with Guardrail, Guardrail Transitions and Terminal Systems.	Approval Number (Certified Guardrail Manufacturer, one for each component manufacturer) Buy America (one for each component and manufacturer)	SM9004 SM1004 (attach Buy America certification(s) in SM)
32	02 of 02	910.10(a), 910.11 (excluding fasteners)	GUARDRAIL	JOBSITE	STEEL POSTS & MISCELLANEOUS ACCESSORIES (e.g. STEEL CHANNELS, CABLES, ANCHOR PLATES, etc.) For use with Guardrail, Guardrail Transitions and Terminal Systems.	Certification - Type C Buy America (one for each component and manufacturer)	SM9003 SM1004 (attach Buy America certification(s) in SM)
33	01 of 02	911.02f	SAWN TIMBER POSTS AND BLOCKOUTS	JOBSITE or SUPPLIER	ALL USES. Inspect for dimensions and wood defects.	Visual Inspection	No sample ID required.
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)	SM1002 SM1004 (attach Buy America certification(s) in SM)
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)
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)
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 (Verify Installer's Name to be on Certified Guardrail End Treatment and Impact Attenuator Installers List) 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)
36	01 of 03	801.10.1	IMPACT ATTENUATORS	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
36	02 of 03	601.08	IMPACT ATTENUATORS	JOBSITE	PERMANENT	Approval Number-W# Certification-Other (Verify Installer's Name to be on Certified Guardrail End Treatment and Impact Attenuator Installers List) 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)
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

37	01 of 02	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
37	02 of 02	914.01 RSP 629-R-630	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
38	01 of 01	914.01	AGRICULTURAL LIMESTONE	SOURCE	TOP SOIL ADDITIVE WHEN USED TO RAISE pH.	Visual Inspection	No Sample ID required.
39	01 of 02	914.03 RSP 629-R-630	FERTILIZER	JOBSITE	ALL USES. BAGGED, BULK, OR LIQUID. Analysis from bag or weigh ticket.	Visual Inspection	No Sample ID required.
39	02 of 02	914.03	COMPOST	SUPPLIER	ALL USES.	Certification-Type C	SM9003
40	01 of 03	914.04 621	SEED	JOBSITE	Seed may only be used within 9 months of certification date.	Certification-Other (Letter from State Seed Commissioner)	SM9003
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.	Visual Inspection.	No Sample ID required.
40	03 of 03	Unique Special Provision	NATIVE GRASSES AND FORB SEEDING (Wildflower and Prairie Grasses)	JOBSITE	Seed may only be used within 9 months of certification date.	Certification-Other (Letter from State Seed Commissioner)	SM9003
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.
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
41	03 of 03	914.05	MULCH	JOBSITE	EROSION CONTROL BLANKETS	Certification-Type C	SM9003
42	01 of 02	914.07	SOD	JOBSITE	NURSERY.	Certification-Type C	SM9003
42	02 of 02	914.07	SOD	JOBSITE	OTHER.	Visual Inspection	No Sample ID required.
43	01 of 02	914.08	PLANTS	JOBSITE or NURSERY	SEEDLINGS. Certificate of compliance for plants required. Inspect plants for quality.	Approval Number-W Number for Seedling Source	SM9004
43	02 of 02	914.08	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
44	01 of 03	914.09(f) & (g)	MISCELLANEOUS ROADSIDE DEVELOPMENT MATERIALS	JOBSITE or SOURCE	PLASTIC NET.	Certification-Type C	SM9003
44	02 of 03	914.09(b)	MISCELLANEOUS ROADSIDE DEVELOPMENT MATERIALS	JOBSITE or SOURCE	TEMPORARY STAPLES	Visual Inspection	No Sample ID required.

44	03 of 03	914.09(b)	MISCELLANEOUS ROADSIDE DEVELOPMENT MATERIALS	JOBSITE or SOURCE	TEMPORARY STAKES FOR BRACING AND ANCHORING	Visual Inspection	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
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)	No Sample ID required.
46	02 of 02	911.01	LUMBER, UNTREATED (TEMPORARY USE)	JOBSITE	N/A	Visual Inspection of each item	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	SM9003
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, and quality.	No sample ID required.
47	03 of 03	911.02	LUMBER AND TIMBER, TREATED (TEMPORARY USE)	TREATMENT PLANT, JOBSITE or CONTRACTOR YARD	TREATED WOOD (TEMPORARY). Visually inspect each item after treatment.	Visual Inspection	No Sample ID required.
48	01 of 03	404 608 616 904.02g 718 RSP 205-R-636	AGGREGATE	CAPP SOURCE	SHOULDER DRAINS, UNDERDRAINS, SEAL COATS, RIPRAP, SNOW AND ICE ABRASIVE, COARSE AGGREGATES FOR STORM WATER MANAGEMENT, AND MISCELLANEOUS USE.	Approval Number-CAPP Q and D Numbers	IT211
48	02 of 03	904	AGGREGATE for PRECAST CONCRETE	SOURCE	Quality Test Required.	N/A	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
49	01 of 01	910.16	COPPER FLASHING	JOBSITE	Inspect for dimensions and/or workmanship.	Certification-Type C	SM9003
50	01 of 01	910.17	BRONZE OR COPPER ALLOY PLATES	POINT OF DELIVERY	Inspect for dimensions and/or workmanship.	Certification-Type C	SM9003
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. (NOTE: Water known to be of potable quality may be used without testing.)	Certification - Type A	SM9003
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

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
52	03 of 04	913.02 913.03	CALCIUM AND SODIUM CHLORIDE	POINT OF USAGE	ALL OTHER USES.	For ≤ 5 T, no sampling required.	No Sample ID required.
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.	M 143, M 144 and T 255
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
54	01 of 01	611	MAIL BOX ASSEMBLY	JOBSITE	Visually inspect for dimensions and workmanship.	Visual Inspection Buy America Certification	No Sample ID required. SM1004 (attach Buy America certification(s) in SM)
55	01 of 10	918.02(a)	GEOSYNTHETIC MATERIALS	JOBSITE or SOURCE	GEOTEXTILE FOR RIPRAP	Approval Number	SM9004
55	02 of 10	918.02(b)	GEOSYNTHETIC MATERIALS	JOBSITE or SOURCE	GEOTEXTILE FOR UNDERDRAINS	Approval Number	SM9004
55	03 of 10	918.02(c)	GEOSYNTHETIC MATERIALS	JOBSITE or SOURCE	GEOTEXTILE FOR PAVEMENT AND SUBGRADE	Approval Number	SM9004
55	04 of 10	918.02(d)	GEOSYNTHETIC MATERIALS	JOBSITE or SOURCE	GEOTEXTILE FOR MOISTURE MANAGEMENT	Approval Number	SM9004
55	05 of 10	918.02(e)	GEOSYNTHETIC MATERIALS	JOBSITE or SOURCE	SILT FENCE. Inspect for dimensions and/or workmanship	Approval Number	SM9004
55	06 of 10	918.03	GEOSYNTHETIC MATERIALS	JOBSITE or SOURCE	GEOMEMBRANE	Approval Number	SM9004
55	07 of 10	918.04	GEOSYNTHETIC MATERIALS	JOBSITE or SOURCE	GEOCELL CONFINING SYSTEM	Approval Number	SM9004
55	08 of 10	918.05	GEOSYNTHETIC MATERIALS	JOBSITE or SOURCE	GEOGRID	Approval Number	SM9004
55	09 of 10	918.06	FABRIC OR MEMBRANE FOR WATERPROOFING	JOBSITE	FABRIC (TREATED COTTON, WOVEN GLASS, OR GLASS FIBER MAT) FOR WATERPROOFING	Certification (for Type 1)-Type C	SM9003
55	10 of 10	918.06	FABRIC OR MEMBRANE FOR WATERPROOFING	JOBSITE	MEMBRANE FOR WATERPROOFING	Certification (for Type 2 and Type 3)-Type B	SM9003
56	01 of 02	909.03	STRUCTURAL STEEL COATING SYSTEM (THREE COAT)	JOBSITE or SUPPLIER	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 Approval Number (M- number for each of the three system components)	SM9004 (1 for the Coating System, and 1 for each System Component Material)
56	02 of 02	909.02(a) and 909.02(d)	STRUCTURAL STEEL PARTIAL PAINT SYSTEM (TWO COAT)	JOBSITE or SUPPLIER	Coating components must be from the Department's list of approved Coating Formulations and each component must be pre-tested.	Approval Number (M-Number for each of the two components)	SM9004 (1 for each System Component Material)
57	01 of 02	715 907.01	CONCRETE PIPE	JOBSITE	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

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)
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)
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)
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)
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
60	03 of 04	732	MODULAR CONCRETE BLOCKS	SOURCE	A lot is not more than 10,000 blocks. Verify Delivery Ticket with SiteManager 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 SM9003
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
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)

63	01 of 10	907.17 901.18	PLASTIC PIPE	JOBSITE	PLASTIC CORRUGATED DRAINAGE TUBING AND PERFORATED PLASTIC SEMI-CIRCULAR PIPE. Inspect for dimensions and workmanship.	Approval Number	SM9004
63	02 of 10	907.19 through 907.24 715.09	PLASTIC PIPE	JOBSITE	PLASTIC PIPE FOR USE IN CULVERTS, STORM SEWERS. Inspect for dimensions and workmanship.	Approval Number Mandrel Testing	SM9004 SM9043
63	03 of 10	907.24(a) 907.22, 907.24(c) 907.21, 907.24(d) 907.23, 907.24(e)	PLASTIC PIPE	JOBSITE	PSM PVC PIPE, PROFILE WALL PVC PIPE, SMOOTH WALL POLYETH. PIPE, or SMOOTH WALL PVC PIPE. For underdrain outlets and miscellaneous applications. Inspect for dimensions and workmanship. ASTM stamp required on pipe.	Approval Number	SM9004
63	04 of 10	907.23	PLASTIC PIPE	JOBSITE	SMOOTH WALL PVC. Storm drainage pipe when in close proximity to water distribution lines as regulated by IDEM.	Certification-Type A (include Lot # and Date of Manufacture).	SM9003
63	05 of 10	715.02h	PLASTIC PIPE	JOBSITE	END BENT DRAIN PIPE. Perforated profile wall PVC pipe, perforated smooth wall PVC pipe, or corrugated polyethylene drainage tubing Type SP.	Approval Number	SM9004
63	06 of 10	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	SM9004 SM9003 SM1004 (attach Buy America certification(s) in SM)
63	07 of 10	907.25	PIPE LINERS	JOBSITE	THERMOPLASTIC LINER PIPE. Pipe Liners to be inspected.	Approval Number or Certification - Type A	SM9004 or SM9003
63	08 of 10	912.05	FOAMING AGENT	JOBSITE	For Making Preformed Foam for Cellular Concrete Grout.	Certification-Type C	SM9003
63	09 of 10	907.26	SOLVENT CEMENTS	JOBSITE	For PVC Pipe and Fittings.	Certification-Type C	SM9003
63	10 of 10	907.27	ELASTOMERIC SEALS	JOBSITE	For Joining Plastic Pipe.	Certification-Type B	SM9003
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)
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	SM9003
65	01 of 01	907.13	RUBBER TYPE GASKETS (RING)	JOBSITE	For Pipe. Inspect for dimension and/or workmanship.	Certification-Type B	SM9003

66	01 of 01	907.11	PIPE JOINT SEALERS	JOBSITE	PREFORMED FLEXIBLE and BITUMINOUS MASTIC SEALANT. Inspect for dimension and/or workmanship.	Certification-Type B	SM9003
67	01 of 01	907.07	JOINT MEMBRANE SYSTEM FOR PRECAST CONCRETE BOX CULVERTS	JOBSITE	Inspect for dimension and/or workmanship.	Certification-Type B	SM9003
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)
69	01 of 01		CAST IRON CULVERT PIPE	JOBSITE	Field check for dimensions and weight.	Visual Inspection	No Sample ID required.
70	01 of 02	908.02 908.04 908.08 908.14	PIPE	SOURCE	CORRUGATED METAL CULVERT PIPE, PIPE ARCHES, SLOTTED DRAIN AND UNDERDRAINS. One base metal 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)
70	02 of 02	908.02 908.04 908.08 908.14	PIPE	JOBSITE	CORRUGATED METAL CULVERT PIPE, PIPE ARCHES, SLOTTED DRAIN AND UNDERDRAINS.	Approval Number-Seal Numbers (PIPE) Buy America Certification	SM9019 SM1004 (attach Buy America certification(s) in SM)
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)
72	01 of 01	908.07	ASPHALT MATERIAL FOR PIPE	SOURCE	ASPHALT MATERIAL FOR PIPE COATING. Verification sample from the tank used in production after replenishment and every 30 days thereafter.	Certification-Type A	SM9003
73	01 of 04	908.09	PIPE	ANY LOCATION PRIOR TO USE	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	SM1002 SM1004 (attach Buy America certification(s) in SM)
73	02 of 04	908.10	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)
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	SM9003
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)
74	01 of 03	905.02 or 905.03	BRICKS AND BLOCKS	JOBSITE or SOURCE	BRICK AND BLOCK.	For lots ≤ 200 units, visually inspect for dimensions and workmanship	No Sample ID required.

74	02 of 03	905.02 or 905.03	BRICKS AND BLOCKS	JOBBSITE or SOURCE	BRICK AND BLOCK. Verify Delivery Ticket with SiteManager remarks.	For lots of 201 to 1500 units, one sample (6 units). For compressive strength and absorption	Sample ID (Templates by M&T); assign PLN and represented quantity to Contract tab in SiteManager
74	03 of 03	905.02 or 905.03	BRICKS AND BLOCKS	JOBBSITE or SOURCE	BRICK AND BLOCK. Verify Delivery Ticket with SiteManager remarks.	Approval Number - Sample ID from M&T Testing For lots > 1500 units, 10 units for each lot of 100,000 except for lots of more than 500,000 units, five units shall be taken from every 100,000 units.	SM9004 - Sample ID
75	01 of 01	904.04e	PRECAST RIPRAP	SOURCE	Certified Precast Concrete Producers.	Approval Number- Source Number	SM9004
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)
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	SM9003 SM1004 (attach Buy America certification(s) in SM)
77	01 of 01	905.06	PRECAST CONCRETE UNITS	SOURCE	OTHER CONCRETE ITEMS.	Visual Inspection Buy America Certification	No Sample ID required. SM1004 (attach Buy America certification(s) in SM)
78	01 of 02	602.03a	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)
78	02 of 02	602.03a	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 Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)
79	01 of 03	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.
79	02 of 03	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
79	03 of 03	801.10	TEMPORARY TRAFFIC BARRIERS (TEMPORARY - FHWA APPROVED)	ANY LOCATION PRIOR TO USE	TYPE 2 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
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 two cylinders(1 for Detentioning, 1 for 28 day strength)	Approval Number-Sample ID number by Structural Fabrication Supervisor	SM7005

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 one cylinder	Approval Number-Sample ID number by Structural Fabrication Supervisor	SM7005
80	03 of 06	707.02	PRECAST PRESTRESSED CONCRETE MEMBERS	PRODUCER	AGGREGATE by Structural Fabrication Supervisor	Approval Number	SM9004
80	04 of 06	707.02	PRECAST PRESTRESSED CONCRETE MEMBERS	PRODUCER	CEMENT by Structural Fabrication Supervisor	Approval Number	SM9004
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)
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)
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)
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)
81	03 of 06	910.14c 910.14d	POLES AND POSTS	JOBSITE or SUPPLIER	STRUCTURAL STEEL AND STRUCTURAL ALUMINUM. Inspect for dimensions and workmanship.	Certification-Type C Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)
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)
81	05 of 06	910.15	POLES AND POSTS	JOBSITE or SUPPLIER	DELINEATOR POSTS (METAL) (TEMPORARY).	Visual Inspection	No Sample ID required.
81	06 of 06	926	POLES AND POSTS	JOBSITE or SUPPLIER	DELINEATOR POSTS (PLASTIC).	Approval Number	SM9004
82	01 of 01	910.19	OVERHEAD SIGN STRUCTURES	JOBSITE	ALUMINUM OR STEEL. Inspect for dimensions and workmanship.	Certification-Type C Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)
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)	SM9003 SM9004
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	SM9003 SM1004 (attach Buy America certification(s) in SM)

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	SM9003
84	02 of 03	919.01b1	TRAFFIC SIGNS	JOBSITE	REFLECTIVE SHEETING.	Approval Number	SM9004
84	03 of 03		TRAFFIC SIGNS (TEMPORARY)	JOBSITE	ALL TYPES EXCEPT NON- GROUND MOUNTED SIGNS.	Visual Inspection	No Sample ID required.
85	01 of 02	801.04	CONSTRUCTION SIGNS	JOBSITE	Visually inspect for dimensions and workmanship.	Visual Inspection	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	No Sample ID required.
86	01 of 01	923.03	CONSTRUCTION WARNING LIGHTS	JOBSITE	Check brightness.	Visual Inspection.	No Sample ID required.
87	01 of 04	922.02 922.03 922.04(a) 922.12 922.13	TRAFFIC SIGNAL EQUIPMENT	JOBSITE and LAB	TRAFFIC SIGNAL CONTROLLER, INTERCONNECT EQUIPMENT, LED SIGNAL HEAD AND PEDESTRIAN SIGNAL HEAD COMPONENTS, EXTERNAL TIME CLOCKS, VEHICLE DETECTION SYSTEMS.	Approval Number (External Document shall be submitted with approval numbers listed for each component when applicable)	SM9004 (for each component) SM1002
87	02 of 04	922.04(b)	TRAFFIC SIGNAL EQUIPMENT	JOBSITE	PEDESTRIAN PUSH BUTTON (APS and Non-APS)	Certification - Type D	SM9003
87	03 of 04	801.15(d)1	TRAFFIC SIGNAL EQUIPMENT (TEMPORARY)	SOURCE	FIXED TEMPORARY SIGNAL. For new or used controllers, select from Approved Traffic Signal and ITS Control Equipment.	Approval Number	SM9004
87	04 of 04	801.15(d)2	TRAFFIC SIGNAL EQUIPMENT (TEMPORARY)	SOURCE	PORTABLE TEMPORARY SIGNAL. Selected from Approved Portable Signals	Approval Number	SM9004
89	01 of 02	805.02 922.17(a)	TRAFFIC SIGNAL HANDHOLE AND COVER	SOURCE	CONCRETE. Certified Precast Concrete Producers.	Approval Number-Source Number	SM9004
89	02 of 02	805.02 922.17(b)	TRAFFIC SIGNAL HANDHOLE AND COVER	JOBSITE	POLYMER CONCRETE.	Certification-Type C	SM9003
90	01 of 01	922.08 (References 910.05b)	TRAFFIC SIGNAL EQUIPMENT	JOBSITE	TRAFFIC SIGNAL HANDHOLE RING AND COVER. Inspect for dimensions and workmanship.	Certification-Type C	SM9003
91	01 of 01	926.02a	ACRYLIC PLASTIC DELINEATORS	JOBSITE		Approval Number	SM9004
92	01 of 01	926.02b	REFLECTIVE SHEETING DELINEATOR	JOBSITE	Inspect for dimensions and workmanship.	Certification-Type C	SM9003
93	01 of 01	926.02c	BARRIER DELINEATOR	JOBSITE		Approval Number	SM9004
94	01 of 11	909.05	PAVEMENT MARKINGS (TEMPORARY)	JOBSITE	TRAFFIC PAINT: for temporary markings.	Visual Inspection	No Sample ID Required
94	02 of 11	808.02 909.05 ITM 931	PAVEMENT MARKINGS	JOBSITE or SUPPLIER	TRAFFIC PAINT: for permanent markings.	Certification - Other (Environmental Properties per 808.02) Longitudinal Lines \geq 50,000 Linear Feet (total for all painted marking lines per contract): Template required for exception or retroreflectometer testing.	SM9003 IT931

94	03 of 11	921.02a ITM 931	PAVEMENT MARKINGS	JOB SITE	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.	SM9003 IT931
94	04 of 11	921.02b ITM 931	PAVEMENT MARKINGS	JOB SITE	PREFORMED PLASTIC.	Certification - Type C Longitudinal Lines ≥ 10,000 Linear Feet (total for all preformed plastic type marking lines per contract): Template required for exception or retroreflectometer testing.	SM9003 IT931
94	05 of 11	921.02b	PAVEMENT MARKINGS (TEMPORARY)	JOB SITE	PREFORMED PLASTIC.	Visual Inspection	No Sample ID required.
94	06 of 11	921.02a 921.02b	PAVEMENT MARKINGS (SPECIAL MARKINGS)	JOB SITE	THERMOPLASTIC AND PRE-FORMED PLASTIC PAVEMENT MARKING MATERIALS. Transverse markings, Stop Bars, Pavement Message Markings, Railroad Markings, Bicycle Markings etc.	Certification-Type C	SM9003
94	07 of 11	921.02c ITM 931	PAVEMENT MARKINGS	JOB SITE	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.	SM9003 IT931
94	08 of 11	923.01	PAVEMENT MARKINGS	JOB SITE and SOURCE	TEMPORARY PAVEMENT MARKING TAPE, TYPE I. (Removable)	Approval Number	SM9004
94	09 of 11	921.02e	PAVEMENT MARKINGS (TEMPORARY)	POINT OF DELIVERY	BEADS.	Visual Inspection	No Sample ID required.
94	10 of 11	921.02e	PAVEMENT MARKINGS	POINT OF DELIVERY	BEADS. Bagged.	Certification for Glass Beads-Type C Certification for Supplemental Elements- Type D	SM9003 SM9003
94	11 of 11	921.02e	PAVEMENT MARKINGS	POINT OF DELIVERY	BEADS. Bulk. One quart from each of three randomly selected bulk containers when sampling is required by QPA.	Certification for Glass Beads-Type C Certification for Supplemental Elements- Type D	SM9003 SM9003
95	01 of 01	921.02d	SNOWPLOWABLE RAISED PAVEMENT MARKERS	JOB SITE	Inspect for dimensions and workmanship.	Approval Number - Prismatic Reflectors and Cast Metal Base Certification for Epoxy Adhesive - Type B Buy America Certification	SM9004 SM9003 SM1004 (attach Buy America certification(s) in SM)
96	01 of 01	923.02	TEMPORARY RAISED PAVEMENT MARKERS	JOB SITE	GRADES 1 AND 2. From Departments List of Approved Temporary Raised Pavement Markings.	Approval Number - W# (6 digit)	SM9004
97	01 of 02	923.04(b) 923.04(c) 923.08	FLASHING ARROW SIGN	JOB SITE	Visually inspect for dimensions and workmanship.	Visual Inspection	No Sample ID required.
97	02 of 02	923.04(a) 923.05	SOLAR POWERED TRAFFIC CONTROL DEVICES	JOB SITE	Flashing Arrow Sign, Portable Changeable Message Sign	Approval Number	SM9004
98	01 of 01	801.07	STANDARD BARRICADES	JOB SITE	Visually inspect for dimensions and workmanship.	Visual Inspection	No Sample ID required.
99	01 of 01	910.02	STEEL STRUCTURES	JOB SITE or SOURCE	STRUCTURAL STEEL. Inspect for dimensions and workmanship.	External Document-Mill Test Report Buy America Certification	SM1002 SM1004 (attach Buy America certification(s) in SM)

100	01 of 02	910.02g	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) Buy America Certification	Sample ID (Templates by M&T) SM9003 SM1004 (attach Buy America certification(s) in SM)
100	02 of 02	910.02g	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)
101	01 of 01	910.02h	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)
102	01 of 03	910.03	PERMANENT METAL FORMS	JOBSITE or FABRICATOR	PANEL: One verification sample by Testing per mill per fabricator per calendar year per gauge.	Certification-Type A Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)
102	02 of 03	910.03	PERMANENT METAL FORMS	JOBSITE or FABRICATOR	ACCESSORIES: One verification sample by Testing per mill per fabricator per calendar year per gauge.	Certification-Type A Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)
102	03 of 03	910.03	PERMANENT METAL FORMS	JOBSITE or FABRICATOR	CLIPS: One verification sample by Testing per mill per fabricator per calendar year.	Certification-Type A Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)
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)
104	01 of 02	910.05a 910.05b	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)
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)
105	01 of 01	910.06a	BRONZE CASTINGS	JOBSITE	Inspect for dimensions and workmanship.	Certification-Type A	SM9003
106	01 of 01		SHEET LEAD AND ZINC	JOBSITE	Sample when directed.	Visual Inspection	No Sample ID required.
107	01 of 01	711.33	STEEL STRUCTURES	JOBSITE	STUD SHEAR CONNECTORS. Inspect for dimensions and workmanship.	External Document-Mill Test Report Buy America Certification	SM1002 SM1004 (attach Buy America certification(s) in SM)
108	01 of 03	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

108	02 of 03	714.06(b) 723.11	GROUT	JOBSITE	CONVENTIONAL FINE. In accordance with ASTM C476. For box culverts.	Air Content, One per Structure	T 152
108	03 of 03	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.)
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	SM9004
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.
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.
110	03 of 05	213	FLOWABLE BACKFILL	JOBSITE	FIELD APPLICATION Approved mix design required.	Visual (For PLN quantity ≤ 100 cyd).	No Sample ID required.
110	04 of 05	213	FLOWABLE BACKFILL	JOBSITE	FIELD APPLICATION Approved mix design required.	Flow Test 1/100 cyd, minimum 1 test. Yield (using 1/4 cu. yd. box) 1/100 cyd, if using continuous mixer.	D6103 SM7009
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).	No Sample ID Required
111	01 of 01	216	CELLULAR CONCRETE FILL	JOBSITE	A lot is 500 cyd placed.	Approval Number Four 3 in. by 6 in. cylinders per lot for compressive strength.	SM9004 C495
112	01 of 01	725.07	CELLULAR CONCRETE GROUT	JOBSITE	Four 3 in. by 6 in. cylinders for compressive strength for each 100 cyd by Contractor.	Certification-Type A	SM9003
113	01 of 01	905.05	DETECTABLE WARNING SURFACES	JOBSITE	Inspect each element.	Approval Number	SM9004
114	01 of 01	411	MICROSURFACING (WARRANTY)	JOBSITE	One DMF required per course.	Approval Number-DMF Number	SM9004
115	01 of 01	414	ULTRATHIN BONDED WEARING COURSE (WARRANTY)	JOBSITE	One DMF required per course.	Approval Number-DMF Number	SM9004
116	01 of 01	907.08 907.09 907.10	CLAY PIPE OR TILE	JOBSITE	Inspect for dimensions and workmanship.	Certification-Type C	SM9003

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)
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)
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)
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	SM9003 SM1004 (attach Buy America certification(s) in SM)
119	01 of 01	702.03 906.08	HIGH DENSITY BEARING STRIP	JOBSITE	Multipolymer plastic.	Certification - Type B	SM9003
120	01 of 01	RSP 205-C-231	EROSION CONTROL	JOBSITE	TEMPORARY TURBIDITY CURTAIN. For water quality.	Certification - Type B	SM9003
121	01 of 01	720.04	MANHOLE GRADE RINGS	JOBSITE	GRADE RINGS. Other than precast concrete.	Certification-Type C Buy America Certification	SM9003 SM1004 (attach Buy America certification(s) in SM)
122	01 of 03	RSP 738-B-297	POLYMERIC CONCRETE BRIDGE DECK OVERLAY	JOBSITE	NON-WARRANTIED AGGREGATE EPOXY POLYMER. EPOXY OVERLAY.	Certification - Type A Approval Number Final Pull-Off Test Results (ITM 407)	SM9003 SM9004 External Document (Attach external document in SM)
122	02 of 03	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
122	03 of 03	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
123	01 of 03	RSP 620-R-483	SOUND BARRIER SYSTEMS	JOBSITE	ALL TYPES.	Approval Number	SM9004
123	02 of 03	RSP 620-R-483	SOUND BARRIER SYSTEMS	JOBSITE	COMPONENTS. (Joint mortar, Structural Aluminum Posts, Structural Steel Posts.) (Structural Steel)	Certification - Type C Mill Certification Buy America Certification	SM9003 External Document SM1004 (attach Buy America certification(s) in SM)
123	03 of 03	RSP 620-R-483	SOUND BARRIER SYSTEMS	JOBSITE	CONCRETE MASONRY UNITS.	Certification -Type A	SM9003
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)
124	02 of 02	RSP 625-R-194	GABIONS AND REVET MATTRESS	JOBSITE	REVT MATTRESS. SOIL ANCHOR STAKES.	Certification -Type A Certification -Type C Buy America Certification	SM9003 SM9003 SM1004 (attach Buy America certification(s) in SM)
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	SM9003

126	01 of 03	907.23 715.02(l)	ROADWAY DRAIN CASTING EXTENSION	JOBSITE	SMOOTH WALL PVC PIPE.	Pipe (Certification-Type C) Mounting Hardware (Certification-Type C)	SM9003 SM9003
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)	SM9003 SM9003
126	03 of 03	908.10 715.02(l)	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)
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)
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)	SM9003 SM9003
128	01 of 02	901.07	CONCRETE PATCHING MATERIALS	JOBSITE	RAPID SETTING PATCH MATERIAL	Approval Number (W Number)	SM9004
128	02 of 02	RSP 901-M-064 710.02	CONCRETE PATCHING MATERIALS	MIX DESIGN SUBMITTAL	PACKAGED PATCHING PRODUCTS	Approval Number (W Number)	SM9004
129	01 of 01	Unique Special Provision	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)	SM9003
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
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
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
133	01 of 01	203.26 219.14	PROOFFROLLING	JOBSITE	Complete coverage (Truck is to drive over entire surface.)	Visual Inspection	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	SM9003
134	02 of 02	906.03	JOINT FILLER	JOBSITE	PREFORMED EXPANSION JOINT FILLER (PEJF). For Bridge Component Interfaces.	Visual Inspection	No Sample ID Required.
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
136	01 of 01	219.12	CEMENT STABILIZED SUBGRADE SOIL	JOBSITE	Stiffness	Three LWD tests per 2,000 sq yd	IT508