

Chapter 8 - Minimum Schedule for Acceptance Testing - Most Recurring Special Provision Items

Legend	
Section	Standard Specification Section.
Item	The Contract Item number where the first four digits contain the parent Standard Specification Section number.
Item Description	Generally the overall subject of the Standard Specification Section and the Contract Item.
Item Unit	Generally the pay unit of the Contract Item.
Material Code	Code used in AASHTOWare to identify component materials used in Contract Items.
Material Description	Definition of the Material Code.
Material Unit	Unit of Material that defines a quantity.
Acceptance Method	Required documentation, sampling, inspection or test. See Acceptance Method table below.

Document Type	Daily Work Report (DWR)	A record is created in the acceptance action tab on a DWR. Project Staff are responsible for recording and processing DWR materials.
	Sample Record	MESU is responsible for processing Sample Record materials in AASHTOWare
Frequency (minimum)	Quantity	1 per quantity indicates that all the quantity of each type (size/shape/composition) of material from a single Source of Supply (defined in Section 1.06.01) must be represented on a single or multiple Sample Records. Sample Record(s) total represented quantity must match total quantity installed.
	Project	1 per project indicates 1 DWR acceptance record is required per Source of Supply (defined in Section 1.06.01). The entire quantity of material for the Project needs to be accounted for on a single or multiple DWR acceptance records when a Materials Certificate and/or Certified Test Report is required for that material.
Sample Size	Size of required physical sample.	
Notes	Additional requirements per material. See Notes table below	

Acceptance Method	
FLABT	Field and Laboratory Testing
FLDT	Test performed in the field
INSMCT*	Project Visual, MESU Fabrication Shop inspection, MCCTR
LABT	Laboratory Test (Physical Sample Required)
LMCT*	Laboratory Test, Materials Certificate and Certified Test Report
MC*	Materials Certificate
MCCTR*	Materials Certificate and Certified Test Report
NEPCOAT	North East Protective Coating Committee QPL
PC-1	Self Certification from producer supplied per shipment
QPL/MC*	Qualified Product List and/or Materials Certificate
VISUAL	Project Inspector must visually inspect upon delivery/installation. Visual inspection by MESU staff denotes witnessing fabrication of material where it is being fabricated. Documentation of visual inspection by project staff is in accordance with District/Office of Construction policies.

*Materials Certificates and Certified Test Reports must comply with Standard Specification Section 1.06.07. Note: Materials Certificates for items composed of, or containing, steel or cast iron must also indicate where the steel and cast iron was produced and fabricated.

Notes	
1	Chemical test is required
2	Contractor in-place density testing at a sufficient frequency determined by Project
3	No. 3 Stone only
4	Project staff must register paving operations 24 hours prior to paving using PaveTrack. 1 random physical sample per 500 ton sub-lot (M.04.03-2c). Vendor in Place (VIP) DAS contracts: Sample Record submitted at completion of termini. All other projects: Sample Record submitted monthly when quantity is greater than zero and to cover quantity determined by 4.06.04-1.
5	Total Bid Quantity >=1,000 gallons: For each construction season, 1 random physical sample required for every 10,000 gallons. Submit Sample Record w/ attached Bill of Lading, Materials Certificate, & Certified Test Report Total Bid Quantity <1,000 gallons: For each construction season, submit Sample Record w/ attached Bill of Lading, Materials Certificate, & Certified Test Report (no physical sample required)
6	Item is Labor only if reusing materials within Project limits. If new materials are needed, follow the material requirements for the corresponding item.
7	Notify MESU (DOT.Steel@ct.gov or DOT.Precastconcrete@ct.gov) prior to fabrication to schedule plant inspection. Submit Sample Record after items are inspected and cast dates for precast items are verified by project staff upon delivery. Record precast structure cast dates in "remarks" section of Sample Record.
8	PCI for item will cover frames and grates if incorporated into precast items. Material Certification applies when material is not integral with a precast item.
9	Materials Certificate must indicate conformance for entire assembly including, but not limited to, base, shaft, bracket arm, galvanized coating and deflection testing (if required).
10	Check specifications for strength requirements and if cubes or prisms are needed. Mortar must meet C1714 or C387; Grout must meet C1107.
11	Include all hardware. For sign posts, if using a breakaway sign base submit the QPL and/or Materials Certificate with the Sign Post Sample Record.
12	Source testing of material is the responsibility of the Contractor and testing documentation may be requested by the Project
13	Materials Certificate must indicate conformance for precast unit. Certified Test Report must indicate conformance for steel pieces
14	Plastic single-use molds (preferably 6"x12") to be pre-cut with two opposing vertical slits, keeping the base intact. Prior to sampling, mold shall be reassembled using strong adhesive tape on the slits. After sampling, place a labeled, tight-fitting cap on mold. Store sample in accordance with ASTM C31.
15	The 'Federal Aid Eligibility' letter issued to the Manufacturer, documenting that the device complies with the requirements of the NCHRP Report 350 (TL-3) or the AASHTO MASH (TL-3) shall be kept in project files.

SPECIAL NOTE: This schedule is preliminary and for reference only. The minimum schedule of acceptance testing will be determined by comparing this list to the Contract requirements. At the time of project initiation, the project Inspector must review the project requirements and coordinate with the Project Engineer and MESU to determine the Project minimum schedule of acceptance testing based on the standard and special provision items. The list established at the initiation of the project will be the minimum acceptance testing for original contract items. As the project progresses the District is responsible to coordinate with the MESU for original item material codes that are not to be used (as approved by the project engineer) and for each change order item added to address required acceptance testing to be included in the CMRS.

**MINIMUM SCHEDULE FOR ACCEPTANCE TESTING
MOST RECURRING SPECIAL PROVISIONS**

Section	Item	Description	Item Unit	Material Code	Material Description	Material Unit	Document Type	Acceptance Method	BABA Requirement	Frequency (Min. 1 per) [See Legend]	Sample Size	Contact	Notes
2.16	0216012A	CONTROLLED LOW STRENGTH MATERIAL	c.y.	03014-SP-CLSM	Concrete, Controlled Low Strength Material	c.y.	Sample Record	FLABT	N/A or Exempt	150/day	4 cyl.	DOT.PHYSICALTEST@CT.GOV	14
4.06	0404101A, 0406121A, 0406122A, 0406124A, 0406124A, 0406125A, 0406128A	BITUMINOUS CONCRETE PATCHING	s.y.	04128-04134, 04147	Anionic Emulsified Asphalt	gal	Sample Record	LMCT	N/A or Exempt	1000-10000	2 qts	DOT.MATERIALS-EMULSIONS@CT.GOV	5
				04138-04146	Cationic Emulsified Asphalt	gal	Sample Record	LMCT	N/A or Exempt	1000-10000	2 qts	DOT.MATERIALS-EMULSIONS@CT.GOV	5
				03096	Bituminous Mastic, Hot Pour	lb.	Sample Record	MCCTR	Manufactured Product	quantity	NA	DOT.MATERIALS-EMULSIONS@CT.GOV	
				04057	HMA, Level 2, (12.5 mm/0.5 in)	ton	Sample Record	LABT	N/A or Exempt	See Standard 4.06	See Standard 4.06	DOT.MATERIALS-HMA@CT.GOV	4
				04053	HMA, Level 2, (9.5 mm/0.375 in)	ton	Sample Record	LABT	N/A or Exempt	See Standard 4.06	See Standard 4.06	DOT.MATERIALS-HMA@CT.GOV	4
				04099	PMA, Level 2, (12.5 mm/0.5 in)	ton	Sample Record	LABT	N/A or Exempt	See Standard 4.06	See Standard 4.06	DOT.MATERIALS-HMA@CT.GOV	4
	04096	PMA, Level 2 (9.5 mm/0.375 in)	ton	Sample Record	LABT	N/A or Exempt	See Standard 4.06	See Standard 4.06	DOT.MATERIALS-HMA@CT.GOV	4			
	0406154	BINDER RICH INTERMEDIATE COURSE	ton	04082	Binder Rich, Intermediate Course	ton	Sample Record	LABT	N/A or Exempt	See Standard 4.06	See Standard 4.06	DOT.MATERIALS-HMA@CT.GOV	
0406174A	STONE MATRIX ASPHALT	ton	04081	Stone Matrix Asphalt	ton	Sample Record	LABT	N/A or Exempt	See Standard 4.06	See Standard 4.06	DOT.MATERIALS-HMA@CT.GOV		
0406193A	ULTRA-THIN BONDED PMA PAVEMENT (TYPE B)	s.y.	04029	Ultra-Thin Bonded PMA Pavement, Type B	ton	Sample Record	LABT	N/A or Exempt	See Standard 4.06	See Standard 4.06	DOT.MATERIALS-HMA@CT.GOV	4	
5.20	0520036A	ASPHALTIC PLUG EXPANSION JOINT SYSTEM	c.f.	08010	Expansion Joint, Asphaltic Plug	c.f.	Sample Record	MCCTR	Iron or Steel Product	quantity	NA	DISTRICT 1 DISTRICT 2 DISTRICT 3 DISTRICT 4	
				08034	Stone, Broken/Crushed	c.y.	Sample Record	LMCT	N/A or Exempt	quantity	80 lbs	DISTRICT 1 DISTRICT 2 DISTRICT 3 DISTRICT 4	12
5.22	0522178A	CONSTRUCT CONCRETE KEEPER BLOCKS	ea.	03106	Adhesive Bonding Material	ea.	Sample Record	MCCTR	N/A or Exempt	quantity	NA	DOT.MATTESTING@CT.GOV	
				03540	Bearings, Pot/Spherical	ea.	Sample Record	MCCTR	Iron or Steel Product	quantity	NA	DOT.STEEL@CT.GOV	
				03100	Deformed Steel Bars	lb.	Sample Record	LMCT	Iron or Steel Product	quantity	5 ft length per size/manufacturer	DOT.PHYSICALTEST@CT.GOV	
				03100-HDG	Deformed Steel Bars, Hot-Dip Galvanized	lb.	Sample Record	LMCT	Iron or Steel Product	400,000	5 ft length per size/manufacturer	DOT.PHYSICALTEST@CT.GOV	
				03015-03340	PCC 3300 psi, No. 4, Exp. 0	c.y.	Sample Record	FLABT	N/A or Exempt	75/day	4 cyl.	DOT.PHYSICALTEST@CT.GOV	
				03015-04460	PCC 4400 psi, No. 6, Exp. 0	c.y.	Sample Record	FLABT	N/A or Exempt	75/day	4 cyl.	DOT.PHYSICALTEST@CT.GOV	
				03566	Steel Plates	ea.	Sample Record	INSMCT	Iron or Steel Product	quantity	NA	DOT.STEEL@CT.GOV	7
03542	Studs, Welded/Shear Connectors	ea.	Sample Record	LMCT	Iron or Steel Product	quantity	1 stud per size	DOT.PHYSICALTEST@CT.GOV					
6.01	0601054A	ULTRA HIGH PERFORMANCE CONCRETE	c.y.	03015-UHPC	Concrete, Ultra High-Performance Concrete	c.y.	Sample Record	MCCTR	N/A or Exempt	quantity	NA	DOT.PHYSICALTEST@CT.GOV	
	0601107A	HIGH EARLY STRENGTH CONCRETE	c.y.	03014-HE	Concrete, High Early Strength	c.y.	Sample Record	MCCTR	N/A or Exempt	quantity	NA	DOT.PHYSICALTEST@CT.GOV	
				03100	Deformed Steel Bars	lb.	Sample Record	LMCT	Iron or Steel Product	400,000	5 ft length per size/manufacturer	DOT.PHYSICALTEST@CT.GOV	
				02998	Deformed Steel Bars, Epoxy Coated	lb.	Sample Record	LMCT	Iron or Steel Product	400,000	5 ft length per size/manufacturer	DOT.PHYSICALTEST@CT.GOV	
				03145	Fabric, Wire & Welded Steel	s.y.	Sample Record	LMCT	Iron or Steel Product	quantity	1 s.y.	DOT.PHYSICALTEST@CT.GOV	
	0601270A	FULL DEPTH PATCH (HIGH EARLY STRENGTH CONCRETE)	c.y.	03014-HE	Concrete, High Early Strength	c.y.	Sample Record	MCCTR	N/A or Exempt	quantity	NA	DOT.PHYSICALTEST@CT.GOV	
				03100-HDG	Deformed Steel Bars, Hot-Dip Galvanized	lb.	Sample Record	LMCT	Iron or Steel Product	400,000	5 ft length per size/manufacturer	DOT.PHYSICALTEST@CT.GOV	
	0601273A	VARIABLE QUANTITY PARTIAL DEPTH PATCH	c.f.	03014-HE	Concrete, High Early Strength	c.y.	Sample Record	MCCTR	N/A or Exempt	quantity	NA	DOT.PHYSICALTEST@CT.GOV	
				02998	Deformed Steel Bars, Epoxy Coated	lb.	Sample Record	LMCT	Iron or Steel Product	400,000	5 ft length per size/manufacturer	DOT.PHYSICALTEST@CT.GOV	
				03015-04483	PCC 4400 psi, No. 8, Exp. 3	c.y.	Sample Record	FLABT	N/A or Exempt	75/day	3 cyl.	DOT.PHYSICALTEST@CT.GOV	
0601318A	PARTIAL DEPTH PATCH	c.f.	03014-HE	Concrete, High Early Strength	c.y.	Sample Record	MCCTR	N/A or Exempt	quantity	NA	DOT.PHYSICALTEST@CT.GOV		
0601651A-060167XA	RETAINING WALL (SITE NO. X)	LS	08044	Retaining Wall, Precast Concrete	ea.	DWR	QPLMC	Manufactured Product	quantity	NA	DOT.NEWPRODUCTS@CT.GOV		
0601930A	SLIP-LINING GROUT	c.y.	03016	Grout, Non-Shrink, with Strength Requirement	c.y.	Sample Record	LABT	N/A or Exempt	quantity	3 cubes	DOT.PHYSICALTEST@CT.GOV	10	
7.07	0707001A	MEMBRANE WATERPROOFING (WOVEN GLASS FABRIC)	s.y.	04201	Membrane Waterproofing, Woven Glass Fabric	s.y.	DWR	MC	Manufactured Product	project	NA	DOT.MATERIALS-HMA@CT.GOV	
	0707009A	MEMBRANE WATERPROOFING (COLD LIQUID ELASTOMERIC)	s.y.	04199	Membrane Waterproofing, Cold Applied	s.y.	DWR	QPLMC	Manufactured Product	project	NA	DOT.NEWPRODUCTS@CT.GOV	
8.19	0819002A	PENETRATING SEALER PROTECTIVE COMPOUND	s.y.	00328	Penetrating Sealer, Protective Compound	s.f.	DWR	QPLMC	Manufactured Product	project	NA	DOT.NEWPRODUCTS@CT.GOV	
9.01	0901003A	STEEL BOLLARD	ea.	07351	Bollard, Steel	ea.	Sample Record	MCCTR	Iron or Steel Product	quantity	NA	DOT.STEEL@CT.GOV	
				07392	Bolt/Nut/Washer, Stainless Steel	ea.	Sample Record	LMCT	Iron or Steel Product	quantity	1 per size	DOT.PHYSICALTEST@CT.GOV	
				03015-03360	PCC 3300 psi, No. 6, Exp. 0	c.y.	Sample Record	FLABT	N/A or Exempt	75/day	4 cyl.	DOT.PHYSICALTEST@CT.GOV	
				03015-04460	PCC 4400 psi, No. 6, Exp. 0	c.y.	Sample Record	FLABT	N/A or Exempt	75/day	4 cyl.	DOT.PHYSICALTEST@CT.GOV	
	0901005A	BOLLARD	ea.	07351	Bollard, Steel	ea.	Sample Record	MCCTR	Iron or Steel Product	quantity	NA	DOT.STEEL@CT.GOV	
				08035	Gravel, Crushed	c.y.	Sample Record	LABT	N/A or Exempt	quantity	160 lbs	DISTRICT 1 DISTRICT 2 DISTRICT 3 DISTRICT 4	12
				03015-03360	PCC 3300 psi, No. 6, Exp. 0	c.y.	Sample Record	FLABT	N/A or Exempt	75/day	4 cyl.	DOT.PHYSICALTEST@CT.GOV	
				02649	Pipe, PVC & Fittings & Acc.	l.f.	DWR	MC	Construction Material	project	NA	DOT.MATTESTING@CT.GOV	

Section	Item	Description	Item Unit	Material Code	Material Description	Material Unit	Document Type	Acceptance Method	BABA Requirement	Frequency (Min. 1 per) [See Legend]	Sample Size	Contact	Notes
9.13	0913952A, 0913953A, 0913956A	PROTECTIVE FENCE	l.f.	03327	Fence, Protective	l.f.	Sample Record	MCCTR	Construction Material (aluminum, Iron or Steel Product (steel))	quantity	NA	DOT.STEEL@CT.GOV	
10.02	1002201A	TRAFFIC CONTROL FOUNDATION- SPAN POLE	ea.	03504	Anchor Bolts	ea.	Sample Record	LMCT	Iron or Steel Product	quantity	1 per size	DOT.PHYSICALTEST@CT.GOV	
				03100	Deformed Steel Bars	lb.	Sample Record	LMCT	Iron or Steel Product	quantity	5 ft length per size/manufacturer	DOT.PHYSICALTEST@CT.GOV	
				02998	Deformed Steel Bars, Epoxy Coated	lb.	Sample Record	LMCT	Iron or Steel Product	quantity	5 ft length per size/manufacturer	DOT.PHYSICALTEST@CT.GOV	
				01432	Foundation, Precast	ea.	Sample Record	PC-1	Manufactured Product	quantity	NA	DOT.PRECASTCONCRETE@CT.GOV	
				03711	Ground Rod	ea.	DWR	MC	Iron or Steel Product	project	NA	DOT.MATTESTING@CT.GOV	
				03015-03083	PCC 3000 psi, No. 8, Exp. 3	c.y.	Sample Record	FLABT	N/A or Exempt	75/day	3 cyl.	DOT.PHYSICALTEST@CT.GOV	
				03015-03340	PCC 3300 psi, No. 4, Exp. 0	c.y.	Sample Record	FLABT	N/A or Exempt	75/day	4 cyl.	DOT.PHYSICALTEST@CT.GOV	
				03015-04460	PCC 4400 psi, No. 6, Exp. 0	c.y.	Sample Record	FLABT	N/A or Exempt	75/day	4 cyl.	DOT.PHYSICALTEST@CT.GOV	
	03015-PCSP4-4K	PCC Special Prov. 4400psi/30MPA	c.y.	Sample Record	FLABT	N/A or Exempt	75/day	4 cyl.	DOT.PHYSICALTEST@CT.GOV				
	1002202A	TRAFFIC CONTROL FOUNDATION- MAST ARM	ea.	03504	Anchor Bolts	ea.	Sample Record	LMCT	Iron or Steel Product	quantity	1 per size	DOT.PHYSICALTEST@CT.GOV	
				03100	Deformed Steel Bars	lb.	Sample Record	LMCT	Iron or Steel Product	quantity	5 ft length per size/manufacturer	DOT.PHYSICALTEST@CT.GOV	
				02998	Deformed Steel Bars, Epoxy Coated	lb.	Sample Record	LMCT	Iron or Steel Product	quantity	5 ft length per size/manufacturer	DOT.PHYSICALTEST@CT.GOV	
				01432	Foundation, Precast	ea.	Sample Record	PC-1	Manufactured Product	quantity	NA	DOT.PRECASTCONCRETE@CT.GOV	
				03015-03340	PCC 3300 psi, No. 4, Exp. 0	c.y.	Sample Record	FLABT	N/A or Exempt	75/day	4 cyl.	DOT.PHYSICALTEST@CT.GOV	
03015-04460				PCC 4400 psi, No. 6, Exp. 0	c.y.	Sample Record	FLABT	N/A or Exempt	75/day	4 cyl.	DOT.PHYSICALTEST@CT.GOV		
03015-PCSP4-4K				PCC Special Prov. 4400psi/30MPA	c.y.	Sample Record	FLABT	N/A or Exempt	75/day	4 cyl.	DOT.PHYSICALTEST@CT.GOV		
11.03	1103021A-1103025A	STEEL SPAN POLE	ea.	03504	Anchor Bolts	ea.	Sample Record	LMCT	Iron or Steel Product	quantity	1 per size	DOT.PHYSICALTEST@CT.GOV	
				08022	Bolt/Nut/Washer, High Strength	ea.	Sample Record	LMCT	Iron or Steel Product	quantity	1 per diameter/length	DOT.PHYSICALTEST@CT.GOV	
				03444	Closed Cell Elastomer	c.i.	Sample Record	MCCTR	Manufactured Product	quantity	NA	DOT.MATTESTING@CT.GOV	
				03711	Ground Rod	ea.	DWR	MC	Iron or Steel Product	project	NA	DOT.MATTESTING@CT.GOV	
				03709	Ground Wire	l.f.	DWR	MC	Construction Material	project	NA	DOT.MATTESTING@CT.GOV	
				03016	Grout, Non-Shrink, with Strength Requirement	c.y.	Sample Record	LABT	N/A or Exempt	quantity	NA	DOT.PHYSICALTEST@CT.GOV	10
				03802	Span Pole, Steel	ea.	Sample Record	INSMCT	Iron or Steel Product	quantity	NA	DOT.STEEL@CT.GOV	7.9
11.04	1104023A-1104044A	STEEL MAST ARM ASSEMBLY	ea.	03504	Anchor Bolts	ea.	Sample Record	LMCT	Iron or Steel Product	quantity	1 per size	DOT.PHYSICALTEST@CT.GOV	
				08022	Bolt/Nut/Washer, High Strength	ea.	Sample Record	LMCT	Iron or Steel Product	quantity	1 per diameter/length	DOT.PHYSICALTEST@CT.GOV	
				03444	Closed Cell Elastomer	c.i.	Sample Record	MCCTR	Manufactured Product	quantity	NA	DOT.MATTESTING@CT.GOV	
				03711	Ground Rod	ea.	DWR	MC	Iron or Steel Product	project	NA	DOT.MATTESTING@CT.GOV	
				03709	Ground Wire	l.f.	DWR	MC	Construction Material	project	NA	DOT.MATTESTING@CT.GOV	
				03016	Grout, Non-Shrink, with Strength Requirement	c.y.	Sample Record	LABT	N/A or Exempt	quantity	NA	DOT.PHYSICALTEST@CT.GOV	10
				03806	Mast Arm Assembly	ea.	Sample Record	INSMCT	Iron or Steel Product	quantity	NA	DOT.STEEL@CT.GOV	
12.01	1201802A, 1201804A	4 CHORD TRUSS BRIDGE or CANTILEVER SIGN STRUCTURE	ea.	03504	Anchor Bolts	ea.	Sample Record	LMCT	Iron or Steel Product	quantity	1 per size	DOT.PHYSICALTEST@CT.GOV	
				08022	Bolt/Nut/Washer, High Strength	ea.	Sample Record	LMCT	Iron or Steel Product	quantity	1 per diameter/length	DOT.PHYSICALTEST@CT.GOV	
				03928	Sign Support, Structural Steel	ea.	Sample Record	INSMCT	Iron or Steel Product	quantity	NA	DOT.STEEL@CT.GOV	7.9