

SECTION 701 CULVERTS & STORM DRAINS

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
BEDDING MATERIAL		Accept.							SEE SECTION 726 OF THIS MANUAL.	
BACKFILL	RPCC & Stone	Accept.							SEE SECTION 301 OF THIS MANUAL FOR STOCKPILE SAMPLING	
	Flowable Fill	Accept.							SEE SECTION 710 OF THIS MANUAL.	
	Selected Soil	Accept.	PE S 401	Dist. Lab	1/1,000 CY	1 full sample sack	----	----	10 days	For gradation. For metal pipe, pH and resistivity are required.
	Density	Design	PE S 401	Dist. Lab	1/1,000 CY	1 full sample sack	----	----	----	Proctor - For moisture-density relationships.
	Density	Quality Control	Contractor S 401	Contractor	*	----	----	----	----	*As needed to ensure density requirements are met for each lift of backfill.
	Density (Paved Areas, Under Traffic)	Accept.	PE	PE	1 / 100 LF Pipe/Location / 3' of Backfill	----	----	----	----	Test first lift at 1/3 the pipe height, and at least 1 test for each additional 3' of backfill thickness.
	Density (Unpaved Areas)	Accept.	PE	PE	1 / 100 LF Pipe / Location / Lift	----	----	----	----	Visual inspection & compaction to the density of the surrounding soil.
	Moisture Content	Quality Control	Contractor S 401	Contractor	*	----	----	----	----	*As needed to ensure moisture requirements are met at time of compaction.
Moisture Content	Accept.	PE S 401	PE	1/location	----	----	----	----	Test taken during or just prior to compaction.	
CONCRETE PIPE AND PIPE ARCH	Reinforced	Accept.	PE	PE					CC	(AML) Visual inspection by PE. CC to include lot number for gasket materials for each pipe and gasket size.
CONDUIT PLUG & COLLARS	Concrete (Class R)	Accept.								SEE SECTION 901 OF THIS MANUAL.
GROUT		Accept.	PE S 601	Mat. Lab		1/lot	----	----	16 days	(AML) Submit sample in unbroken moisture-proof sack.
GASKETS	Rubber, Flexible Plastic	Accept.	PE	Mat. Lab		1 gasket or 3 ft length	CC*	----	17 days	(AML) Visual inspection by PE. Sample only if questionable. *Gasket lot no. listed on pipe CC.
GEOTEXTILE FABRIC		Accept.	PE S 601	Mat. Lab	1/type/shipment	3 LF of full width of fabric roll	CC	150 SY	10 days	(AML) Visual inspection by PE. Sample only if questionable, a minimum 18 SF. For pipe wrap.

SECTION 701 CULVERTS & STORM DRAINS (Cont'd)

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER	DISTR.				
METAL PIPE		Accept.	PE						Visual inspection by PE. Sample if questionable. CD includes gage, diameter, coupling bands, gasket materials and hardware.	
	Galvanizing Repair Compound	Accept.	PE S 601	Mat. Lab	1/type	1 can	----	----	----	(AML) Visual inspection by PE. Sample if questionable.
PLASTIC CULVERT PIPE		Accept.	----	PE	----	----	CC	----	----	(AML) Visual inspection by PE. CC to include split coupling bands, straps and gasket material.
	Mandrel Test	Accept.	Contractor	Contractor	1/line of pipe	----	----	----	----	For 36 in. diameter or less. PE to observe and approve. For pipe larger than 36 inches in diameter deflection shall be determine by a method approved by the Engineer.

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SECTION 702 MANHOLES, JUNCTION BOXES, CATCH BASINS & END TREATMENTS

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS		
		METHOD			CONTAINER						
FOR DETAILS ON CONCRETE TEST, MIX DESIGNS AND MATERIALS (ADMIXTURES, AGGREGATES, CEMENT AND WATER) SEE SECTION 901 OF THIS MANUAL. (CLASS M)											
BACKFILL	RPCC & Stone								SEE SECTION 301 OF THIS MANUAL.		
	Flowable Fill								SEE SECTION 710 OF THIS MANUAL.		
	Selected Soil	Accept.							SEE SECTION 701 OF THIS MANUAL.		
	Density	Accept.	-----	PE	1/location					SEE SECTION 701 OF THIS MANUAL.	
	Moisture Content	Accept.	-----	PE	1/location					SEE SECTION 701 OF THIS MANUAL.	
GEOTEXTILE FABRIC		Accept.	PE S 601	Mat. Lab	1/type/source/ shipment	3 LF/roll width of fabric*	CC	150 SY	11 days	(AML) *Sample a minimum 18 SF. For pipe wrap visual inspection by PE. Sample only if questionable.	
COVERS, FRAMES & GRATES		Accept.	PE S 601	Mat. Lab	1 / shipment		CA & Form 4148	-----	10 days	CA for Chemical and Physical & Construction Fabrication Form 4148 are required. If questionable, contact the Construction Fabrications Unit.	
METAL WORK COATINGS	Asphaltic Varnish	Accept.	PE S 601	Mat. Lab	1/batch	1 qt friction top can	-----	-----	10 days	Visual inspection by PE Sample only if questionable.	
	Galvanized Metal Covering	Accept.	PE S 501	Mat. Lab	1/shipment	6 in. x 6 in.	-----	-----	10 days	Visual inspection by PE Sample only if questionable.	

SECTION 702 MANHOLES, JUNCTION BOXES, CATCH BASINS & END TREATMENTS (Cont'd)

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
PRECAST CONCRETE UNITS		Accept.	Mfr.	PE		1/unit	CC		(AML) Visual inspection by PE. CC to include lot number for Gasket Materials. Inspected, stamped, and approved by Mfr. prior to use. If questionable, contact Constr. Fab. Unit.	
REINFORCING STEEL	Bars	Accept.	PE S 501	Mat. Lab	1/source	48 in. length	CA	-----	10 days	(AML) CA or sample. Sample if questionable.
	Chairs	Verif.	PE S 501	Mat. Lab	1/type*	1 chair	-----	-----	9 days	*Visual inspection by PE Sample only if questionable. Chairs with plastic coated tips need not be sampled.
	Wire Fabric	Accept.	PE S 501	Mat. Lab	1/shipment	48 in. X 48 in.	-----	-----	14 days	Visual inspection by PE. Sample if questionable.
CULVERT SAFETY ENDS	Pipe Runners & Hardware	Accept.	-----	PE	-----	-----	CA	-----	-----	Visual inspection by PE. Sample only if questionable.
	Epoxy Resin Systems	Accept.	PE S 601	Mat. Lab	1 / lot	1 qt each component friction top can	CC	1 gal	11 days	(AML) Visual inspection by PE. Sample only if questionable.
	Adhesive Anchor Systems	Accept.	PE S 601	Mat. Lab	1/lot or shipment	1 qt each component friction top can	-----	1 gal	11 days	(AML) Visual inspection by PE. Sample only if questionable.
SACKED CONCRETE	Compressive Strength	Accept.	PE S 601	Dist. Lab	1 set/1,000 sacks 3 cyl/set	1 sack 6 in. x 12 in. or 4 in. x 8 in. cylinder mold*	CC*	-----	-----	(AML) *CC shall show mix proportions.
SACKS		Accept.	PE S 501	Mat. Lab	1/type/ source	1 sack	-----	-----	9 days	Visual inspection by PE. Sample only if questionable.
BRICK	Sewer	Accept.	PE S 601	Mat. Lab	1/ 25,000 / type	5 bricks	-----	-----	10 days	Visual inspection by PE. Sample only if questionable.

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SECTION 703 UNDERDRAIN SYSTEMS

MATERIAL	PURP.	SAMPLED BY		TESTED BY	MIN. FREQ.	MIN. QUANT.		CERT.	SMALL QUANTITY	TYPICAL HANDLING	REMARKS
		METHOD				CONTAINER					
FOR ASPHALTIC CONCRETE BASE COURSE & SURFACING SEE SECTIONS 502 AND 510 OF THIS MANUAL.											
BACKFILL	Aggregate (Size 3)	Accept.	PE S 101	Dist. Lab	1/1,000 CY	1 full sample sack	----	----	4 days	----	
	Granular Material	Accept.	PE S 101	Dist. Lab	1/1,000 CY	1 full sample sack	----	----	4 days	----	
GEO-COMPOSITE WALL DRAINS		Accept.	PE S 601	Mat. Lab	1/type/lot	4 SF	CA	----	11 days	(AML) Sample fittings 1 per type per shipment.	
GEOTEXTILE FABRIC		Accept.	PE S 614	Mat. Lab	1/type/ source/ shipment	3 LF/roll width of fabric	CC	150 SY	10 days	(AML) Sample a minimum if 18 SF.	
HARDWARE CLOTH	Rodent Screen	Accept.	PE S 601	Mat. Lab	1/shipment	1 screen	----	----	10 days	Visual inspection by PE. Sample only if questionable.	
METAL PIPE		Accept.	PE				CD			Visual inspection by PE. Sample if questionable. CD includes gage, diameter, coupling bands, gasket materials and	
PLASTIC PIPE		Accept.	----	PE	----	----	CC	----	----	(AML) Visual inspection by PE. CC to include split coupling bands, straps and gasket material.	
PORTLAND CEMENT CONCRETE	Headwalls (Class M)	Accept.	SEE SECTION 901 OF THIS MANUAL.								
PRECAST CONCRETE		Accept.	Mfr.				CC	----	----	Visual inspection by PE. Inspected, stamped, and approved by Mfr. prior to use. If questionable, contact Const. Fab. Insp. Unit.	
REINFORCING STEEL	Bars	Accept.	PE S 501	Mat. Lab	1/source	48 in. length	CA	----	10 days	(AML) CA or sample. Sample if questionable.	
Wire Fabric		Accept.	PE S 501	Mat. Lab	1/shipment	48 in. X 48 in.	----	----	11 days	Visual inspection by PE. Sample if questionable.	

SECTION 704 GUARDRAIL

MATERIAL	PURP.	SAMPLED BY		TESTED BY	MIN. FREQ.	MIN. QUANT.		CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD				CONTAINER					
CONCRETE (Class A1)	Mix Designs, Materials & Tests	SEE SECTION 901 OF THIS MANUAL.									Sample only if questionable.
GALVANIZING REPAIR COMPOUND		Accept.	PE S 601	Mat. Lab	1/type*	1 can	----	----	----	(AML) *Visual inspection by PE Sample only if questionable.	
HARDWARE	Accessories, Bolts, End Anchor	Accept.	PE S 501	Mat. Lab	1/size/type/ shipment*	1 of each item	CC	----	12 days	*Visual inspection sample only if not listed on CC or if questionable.	
METAL BEAM RAIL		Accept.	----	Mat. Lab	----	----	CC	----	----	(AML) Visual inspection by PE Rail shall be stamped with the name or brand of manufacturer, ID symbol or code for heat, no. and coating of lot, AASHTO spec. no., and class and type.	
POSTS AND SPACER BLOCKS	Steel	Accept.	----	PE	----	----	CC	----	----	Visual inspection by PE	
	Timber	Accept.	----	PE	----	----	CC	----	----	Visual inspection by PE	
REINFORCE-MENT	Wire Fabric	Accept.	PE S 501	Mat. Lab	1/shipment*	48 in x 48 in.	----	----	11 days	*Visual inspection by PE Sample only if questionable.	
WIRE ROPE & FITTINGS		Accept.	----	Mat. Lab	----	----	CC*	----	----	*Wire rope only. PE visually inspects fittings.	
GUARDRAIL END TREATMENTS		Accept.	PE	PE	----	----	CC	----	----	(AML) Visual inspection by PE Certification shall include system name, system drawings, manufacturer, and all necessary documentation to substantiate compliance with NCHRP 350 or MASH requirements.	
WELDING	SEE SECTION 815 OF THIS MANUAL.										

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SECTION 705 FENCES

MATERIAL	PURP.	SAMPLED BY		TESTED BY	MIN. FREQ.	MIN. QUANT.		CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
			METHOD				CONTAINER					
CHAIN LINK FENCE, GATES AND APPURTENANCES	Fabric (Wire)	Accept.	PE S 501	Standard Plans Mat. Lab	1/lot or shipment	36 in. length	-----	1,000 LF of fence	11 days	-----		
	Fittings and Misc. Hardware	Accept.	PE S 501	Standard Plans Mat. Lab	1/type/size*	1 of each item**	-----	-----	11 days	-----	*Visual inspection by PE Sample only if questionable. **One piece of each type of fitting or hardware used is to be submitted.	
	Gate Frames, Posts, Rails	Accept.	PE S 501	Standard Plans Mat. Lab	1/type/lot or shipment	1 post or 7 ft section	-----	1,000 LF of fence	11 days	-----		
	Hog Rings, Tension Wire, Wire Fabric Ties, & Wire Ties	Accept.	PE S 501	Standard Plans Mat. Lab	1/type/lot or shipment	48 in. length or 3 pieces*	-----	1,000 LF of fence	11 days	-----	*Wire ties, wire fabric ties and hog rings require only 3 precut pieces for samples.	
CONCRETE (Class R)	Mix Designs, Materials & Tests	SEE SECTION 901 OF THIS MANUAL.							10 CY	-----	-----	
FIELD & LINE TYPE FENCE	Barbed Wire	Accept.	PE S 501	Standard Plans Mat. Lab	1/lot or shipment*	30 ft length	CC or MFR Label	1,000 LF of fence	10 days	-----	*Visual inspection by PE Sample only if questionable.	
	Gates	Accept.	-----	Standard Plans PE	-----	-----	CC	-----	-----	-----	Visual inspection and dimensional check by PE	
	Gate Hardware	Accept.	PE S 501	Standard Plans Mat. Lab	1/type*	1 of each item	-----	1,000 LF of fence	10 days	-----	*Visual inspection by PE Sample only if questionable.	
	Metal Fasteners	Accept.	PE S 501	Standard Plans Mat. Lab	1/type/ shipment*	12 fasteners	-----	1,000 LF of fence	10 days	-----	*Visual inspection by PE Sample only if questionable.	
	Staples & Nails	Accept.	PE S 501	Standard Plans Mat. Lab	1/size/ shipment*	12 staples	-----	1,000 LF of fence	10 days	-----	*Visual inspection by PE Sample only if questionable.	
	Steel Braces	Accept.	PE S 501	Standard Plans Mat. Lab	1/type/lot or shipment*	1 brace	-----	1,000 LF of fence	10 days	-----	*Visual inspection by PE Sample only if questionable.	
	Steel Gate Posts	Accept.	PE S 501	Standard Plans Mat. Lab	1/type/lot or shipment*	1 post	-----	1,000 LF of fence	10 days	-----	*Visual inspection by PE Sample only if questionable.	

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SECTION 705 FENCES (Cont'd)

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
FIELD & LINE TYPE FENCE (Cont'd)	Steel Gate Stops	Accept.	PE S 501	Standard Plans Mat. Lab	1/type/lot or shipment*	1 stop	-----	1,000 LF of fence	10 days	*Visual inspection by PE Sample only if questionable.
	Steel Posts with Anchor Plates	Accept.	PE S 501	Standard Plans Mat. Lab	1/type/lot or shipment*	1 post with plate	CC or MFR	1,000 LF of fence	10 days	*Visual inspection by PE Sample only if questionable.
	Timber Posts	Accept.	-----	PE	-----	-----	CC	-----	-----	Visual inspection by PE
	Woven Wire	Accept.	PE S 501	Mat. Lab	1/lot or shipment*	36 in. length	CC or MFR	1,000 LF of fence	10 days	*Visual inspection by PE Sample only if questionable.
	Timber Gate Posts, Timber	Accept.	-----	PE	-----	-----	CC	-----	-----	Visual inspection by PE
GALVANIZING REPAIR COMPOUND		Accept.	-----	PE	-----	-----	-----	-----	-----	(AML) Visual inspection by PE See Subsection 1008.05 of the Standard Specifications.
GROUND ROD ASSEMBLY	Ground Rod, Wire & Clamp	Accept.	PE S 501	Mat. Lab	1/item*	1 of each item Wire 18 in. length	-----	-----	9 days	*Visual inspection by PE (Note: Coated steel hardware is not permitted.) Sample only if questionable.

SECTION 706 CONCRETE WALKS, DRIVES AND INCIDENTAL PAVING

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING	REMARKS	
		METHOD			CONTAINER					
CONCRETE (Class M)	Mix Designs, Materials & Tests	SEE SECTION 901 OF THIS MANUAL.							Air entrainment is required for slip forming. If substituting Class A1, B, or D for Class M, use sampling requirements for Class M.	
CURING MATERIALS		Accept.	SEE SECTION 601 OF THIS MANUAL.							
JOINT FILLER	Preformed Bituminous Type	Accept.	-----	Mat. Lab	-----	36 in. length	-----	-----	10 days	Visual inspection by PE Sample if questionable
REINFORCING STEEL		Accept.	SEE SECTION 601 OF THIS MANUAL.							
DETECTABLE WARNING SURFACE FOR HANDICAP RAMPS (Truncated Domes)		Accept.	-----	Mat. Lab	-----	-----	CC	-----	-----	Visual Inspection by PE Sample if questionable

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SECTION 707 CURBS AND GUTTERS

MATERIAL	PURP.	SAMPLED BY		TESTED BY	MIN. FREQ.	MIN. QUANT.		CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD				CONTAINER					
ASPHALTIC CURB	For details on Additives, Aggregates, Asphalt Cement, Asphaltic Concrete, Asphaltic Tack Coat, Asphalt Mix Release Agent and Mineral Filler, See Section 502 of this Manual.										No requirement for density and surface tolerance.
BACKFILL	Usable Soil	Accept.	----	PE	----	----	----	----	----	----	Visual inspection by PE
CONCRETE (Class A1,B,D)	Compressive Strength	Accept.	PE S 301	Dist. Lab	3cyl/50CY*	6 in. x 12 in. or 4 in. x 8 in. cylinder	----	----	50 CY	30 days	* Minimum 1 set / day
	Mix Design	Design/ Accept.	*	Contractor / Dist. Lab	1/mix class or type/material	----	----	----	3 days		(AML - Admixtures, AML- Aggregates, AML - Cement, AML Fly Ash and AML Microsilica (Silica Fumes))
	Slump and Air	Accept.	PE S 301	PE	1/50 CY	0.5 CF	----	----	50 CY	1 day	When required in Table 901-3 or individual section.
CURING MATERIALS		Accept.	SEE SECTION 601 OF THIS MANUAL.								
FORM RELEASE AGENT		Accept.	PE S 601	Mat. Lab	1/lot	1 qt plastic bottle	----	----	----	9 days	(AML) Visual inspection by PE Sample only if questionable.
JOINT MATERIALS (Sealants, Filler, & REINFORCE-MENT		Accept.	PE S 601	Mat. Lab	1/5,000 LF*	36 in. length or 1 gal	----	----	----	17 days	*Visual inspection by PE Sample only if questionable.
Tie Bars	Accept.	PE S 501	Mat. Lab	1/size/ source*	1 bar	----	----	----	10 days	(AML) *Visual inspection PE Sample only if questionable.	

SECTION 708 RIGHT-OF-WAY MONUMENTS

MATERIAL	PURP.	SAMPLED BY		TESTED BY	MIN. FREQ.	MIN. QUANT.		CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD				CONTAINER					
RIGHT-OF-WAY MONUMENTS	Monuments, Steel Stakes & Witness	Accept.	Type as shown on plans or	Mat. Lab / Const. Fab. Insp.			----	----	----	----	Approval letter from Location & Survey Section Administrator required for substitutions. Visual inspection by PE

SECTION 709 STEEL CATTLE GUARDS

MATERIAL	PURP.	SAMPLED BY		TESTED BY	MIN. FREQ.	MIN. QUANT.		CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD				CONTAINER					
BACKFILL	Density	Accept.	PE	PE	1/location	----	----	----	----	----	Six (6) inch layer to density of surrounding soil in the roadway. See Section 203.07.
CONCRETE (Class M)	Mix Designs, Materials & Tests	SEE SECTION 901 OF THIS MANUAL.									
HARDWARE	Bolts, Nuts and Washers	Accept.	PE S 501	Mat. Lab	1/size/type/ shipment*	1 of each item**	----	----	----	12 days	*Visual inspection by PE Sample only if questionable. **One piece of each size and type of hardware used is be submitted.
PAINT PROTECTIVE COATINGS		Accept.	SEE SECTION 811 OF THIS MANUAL.								
REINFORCING STEEL	Bars	Accept.	PE S 501	Mat. Lab	1/size/ source*	48 in. length	----	----	----	10 days	(AML) *Visual inspection by PE Sample only if questionable.
STEEL CATTLE GUARD	Rails & Pipe Wings	Accept.	PE				CC	----	----	----	Inspected by Constr. Fab. Insp.
TREATED TIMBER		Accept.	----	PE	----	----	CC	----	----	----	Visual inspection at by PE

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SECTION 710 FLOWABLE FILL

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER				
PORTLAND CEMENT		Batch Cert.	SEE SECTION 901 OF THIS MANUAL.						
FLOWABLE FILL	Mix Design	Design	*	Contractor / Dist. Lab	1/mix design	-----	-----	3 days	*Lab Engineer to approve before work begins. Trial batch required.
FLY ASH		Batch Cert.	SEE SECTION 901 OF THIS MANUAL.						
MIX DESIGN		Accept.	Contractor / Supplier		1/mix design	-----	-----	28 days	Approved Mix Design (with trail batch)
SAND		Batch Cert.	SEE SECTION 901 OF THIS MANUAL.						
WATER		Accept.	PE S 303		1/source*	1 qt plastic bottle	-----	11 days	Visual, sample if questionable, if not potable

SECTION 711 RIPRAP

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING	REMARKS
		METHOD			CONTAINER				
GEOTEXTILE FABRIC		Accept.	PE S 601	Mat. Lab	1/type/ source/ shipment	3 LF/roll width of fabric*	CC	150 SY	10 days (AML) *Sample a minimum of 18 SF.
RECYCLED CONCRETE		Accept.	PE S 601	PE	*		-----	-----	*Visual inspection and/or gradation check (at source, project site, or both, at Engineer's option.) Gradation and unit weight provided by suppliers. Must be from an approved source.
STONE		Accept.	PE S 601	PE			-----	-----	(AML)

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SECTION 712 REVETMENTS

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
BACKFILL	Usable Soil	Accept.	PE S 401	PE	1/1,000 CY	1 full sample sack	-----	-----	10 days	
CONCRETE (Class R)	Mix Designs, Materials & Test	SEE SECTION 901 OF THIS MANUAL.								
CABLE ARTICULATED CONCRETE BLOCK MATTRESS	Cellular Concrete Blocks	Accept.	-----	PE	-----	-----	CA	-----	-----	Visual inspection by PE
	Cable	Accept.	-----	PE	-----	-----	CC	-----	-----	Visual inspection by PE to ensure adequate tensile strength for handling.
CURING MATERIALS		Accept.	-----	Mat. Lab	-----	-----	-----	less than 300 SY	-----	See Section 601 of this manual.
WET-BATCHED SACKED CONCRETE	Compressive Strength	Accept.	PE S 601	Dist. Lab	1 set/1,000 sacks 3 cyl/set	1 sack 6 in. x 12 in. or 4	CC**	-----	-----	*Cylinders made from contents of sack mixed with water to produce a slump of 4 to 6 inches.
DRY-BATCHED PREPACKAGED SACKED CONCRETE	Compressive Strength	Accept.	Contractor / PE S 601	Dist. Lab	1 set of 3 cy/set/1,000 sacks*	1 sack 6 in. x 12 in. or 4 in. x 8 in. cylinder mold*	CC	-----	-----	(AML) *Cylinders made from contents of sack mixed by contractor. Water to produce a slump of 2 to 5 inches. CC should show mix proportions.
GEOTEXTILE FABRIC		Accept.	PE S 601	Mat. Lab	1/type/source/ shipment	3 LF/roll width of fabric*	CC	150 SY	10 days	(AML) *Sample a minimum of 18 SF.
JOINT FILLER		Accept.	PE S 601	Mat. Lab	1/5,000 LF/ type*	36 in. length	-----	-----	11 days	*Visual inspection by PE Sample only if questionable.
RECYCLED CONCRETE & STONE		SEE SECTION 711 OF THIS MANUAL.								
SACKS		Accept.	PE S 601	Mat. Lab	1/type/ source*	1 sack	-----	-----	9 days	*Visual inspection by PE Sample only if questionable.

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SECTION 713 TEMPORARY TRAFFIC CONTROL

MATERIAL		PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
			METHOD			CONTAINER				
TEMPORARY PAVEMENT MARKING	Temporary Striping Tape	Accept.	PE S 601	Mat. Lab	1/shipment*	6 ft length	CC	-----	10 days	(AML) *Visual inspection by PE Sample only if questionable.
TRAFFIC PAINT		Accept.	SEE SECTION 737 OF THIS MANUAL.							
THERMOPLASTIC PAVEMENT		Accept.	SEE SECTION 732 OF THIS MANUAL.							
GLASS BEADS	Drop-on Application	Batch Cert	Dist. Lab S 608	Mat. Lab	1/lot	1 gallon can or	-----	-----	10 days	-----
		Accept.	PE	Mat. Lab	1/lot	50 lb bag	CD*	-----	10 days	*CD or sample. Sample if questionable.
RAISED PAVEMENT MARKERS &		Accept.	SEE SECTION 731 OF THIS MANUAL.							
CATEGORY 1 DEVICES	Cones, Drums, Tubular Markers, Flexible Delineators	Accept.	PE	Supplier	-----	-----	CC*	-----	-----	(AML for plastic drums and flexible delineators) * CC is affidavit to show compliance with NCHRP 350 / MASH, with supporting documents on file. If questionable contact the Const. Fab. Insp.
CATEGORY 2 DEVICES	Barricades, Vertical Panels, Stands & Posts, Signs	Accept.	PE	Supplier			FHWA WZ Letter	-----	-----	Required documentation to certify compliance to NCHRP 350 / MASH. If questionable contact the Const. Fab. Insp.
CATEGORY 3 DEVICES	Barriers	Accept.	PE	Supplier			CC* FHWA WZ Letter	-----	-----	*CC required for concrete barriers. Required documentation to certify compliance to NCHRP 350 / MASH. If questionable contact the Const. Fab. Insp.

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SECTION 714 SODDING

MATERIAL		PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
			METHOD			CONTAINER				
AGRICULTURAL LIME		Accept.	SEE SECTION 718 OF THIS MANUAL.							
FERTILIZER		Accept.	SEE SECTION 718 OF THIS MANUAL.							
SOD		Accept.	-----	PE	-----	-----	-----	-----	-----	*Visual inspection by PE or Roadside Development personnel.
WATER		Accept.	PE S 303	Mat. Lab	1/source*	1 qt plastic bottle	-----	-----	11 days	Visual, sample if questionable, if not potable

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SECTION 715 TOPSOIL

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MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER				
AGRICULTURAL LIME	Accept.	SEE SECTION 718 OF THIS MANUAL.							
TOPSOIL	Accept.	Contractor*		1/1,000 CY	1 full sample sack	CA	200 CY	-----	*Contractor to provide report from established soil testing entity.

SECTION 716 VEGETATIVE & FIBER MULCH

1-700 - 25 4/22

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER				
TACKING AGENTS	Emulsified Asphalt	Accept.	-----	PE	1/shipment	-----	CD*	No CD required if less than 500 gal	4 days (AML) Visual inspection by PE
	Tacking Agent	Accept.	-----	PE	-----	-----	CA*	-----	----- Visual inspection. *Must be an approved product for AML items.
VEGETATIVE MULCH	Accept.	-----	-----	-----	-----	-----	-----	-----	Visual inspection by PE or Roadside Development personnel.
FIBER MULCH	Accept.	-----	-----	-----	-----	-----	-----	-----	(AML) Visual inspection by PE or Roadside Development personnel.

SECTION 717 SEEDING

1-700 - 26 4/22

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER				
AGRICULTURAL LIME	Accept.	SEE SECTION 718 OF THIS MANUAL.							
FERTILIZER	Accept.	SEE SECTION 718 OF THIS MANUAL.							
SEED	Accept.	-----	PE	-----	-----	-----	50 lb	-----	Analysis tag plus test report for LA Department of Agriculture. Seed test reports from other states are acceptable provided specification
TOPSOIL	Accept.	Contractor*		1/1,000 CY	1 full sample sack	CA	200 CY	-----	*Contractor to provide report from established soil testing entity.
WATER	Accept.	PE S 303	Mat. Lab	1/source*	1 qt plastic bottle	-----	-----	11 days	Visual, sample if questionable, if not potable

SECTION 718 FERTILIZER AND AGRICULTURAL LIME

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER				
AGRICULTURAL LIME	Accept.	----	Mat. Lab	----	----	CA	10 tons	----	Visual inspection. Sample only if questionable.
FERTILIZER	Accept.	----	PE	----	----	CA*	----	----	For bag shipments, visual inspection of bag markings by PE *For bulk shipments, PE to receive CA.

SECTION 719 LANDSCAPING

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
AGRICULTURAL LIME	Accept.	SEE SECTION 718 OF THIS MANUAL.								
BACKFILL SOIL	Mortar Sand, Pine Bark, Water	Accept.	----	PE	----	----	----	----	Visual inspection by PE of all ingredients prior to mixing.	
FERTILIZER		Accept.	SEE SECTION 718 OF THIS MANUAL.							
MULCHING	Other Materials	Accept.	PE S 601	Dist. Lab	1/source*	3 full sample sacks	----	----	----	*Visual inspection by Porj. Engr. Sample only if questionable.
	Pine Bark	Accept.	PE S 601	Dist. Lab	1/source*	3 full sample sacks	----	----	----	*Visual inspection by Porj. Engr. Sample only if questionable.
PLANTS	Containered and Native Stock	----	*	Landscape Architect					Documented visual determination of specification compliance by DOTD Landscape Architect at nursery source. All plants shall be legibly tagged. Acceptance is based on inspection at the end of one full growing season.	
SOIL	Planting Area	Accept.	Contractor*		1/planting area	1 full sample sack	CA	----	----	*Contractor to provide report from established soil testing entity.
TOPSOIL		Accept.	Contractor*		1000 yd ³	1 full sample sack	CA	200 SY	----	*Contractor to provide report from established soil testing entity.
WATER		Accept.	PE S 303	Mat. Lab	1/source*	1 qt plastic bottle	----	----	11 days	Visual, sample if questionable, if not potable

SECTION 720 EROSION CONTROL SYSTEMS

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
EROSION CONTROL SYSTEMS	Rolled Products	Batch Cert	Dist. Lab. S 613	Mat. Lab	1/200 rolls/ Mfr.'s Lot	3 SY*	----	----	10 days	(AML) *When sampling moisture sensitive material use moisture proof bag.
		Accept.	PE S 613	Mat. Lab	1/200 rolls/ Mfr.'s Lot	3 SY*	CD**	----	10 days	(AML) *When sampling moisture sensitive material use moisture proof bag.
	Bagged Products	Batch Cert	Dist. Lab. S 613	Mat. Lab	1/200 bags/ Mfr.'s Lot	1 bag	----	----	10 days	(AML)
		Accept.	PE S 613	Mat. Lab	1/200 bags/ Mfr.'s Lot	1 bag	CD*	----	10 days	(AML) *Sample when not accompanied by a CD or questionable.
	Hardware	Accept.	Dist. Lab S 601	Mat. Lab	1/item/type/ size	1 item	CD*	----	10 days	(AML) *Sample when not accompanied by a CD or if questionable.
	Additives	Accept.	PE S 601	Mat. Lab	1 quart/mfr's lot	1 item or 1 quart	CD*	----	10 days	(AML) *Sample when not accompanied by a CD or questionable.

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SECTION 721 MOWING, TRIMMING & DEBRIS COLLECTION

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER				
HERBICIDES	Accept.	Dist. Roadside Development Coordinator	Mat. Lab	-----	-----	-----	-----	-----	Approval of the District's Roadside Development Coordinator for use, type & rate of application.

SECTION 723 GRANULAR MATERIAL

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER				
GRANULAR MATERIAL	Design/ Accept.	PE S 101	Dist. Lab	1/1,000 CY	1 full sample sack	-----	50 CY	4 days	-----
MATERIAL ON ROADWAY	Density	Accept. PE	PE	1/1,000 LF/ 2-lane rdwy or	-----	-----	-----	1/2 hr.	-----
	Thickness & Width	Accept. Dist. Lab	Dist. Lab	1/1,000 LF/ 2-lane rdwy or 1/2,000 LF/ shoulder*	-----	-----	300 LF per location	3 days	*See DOTD TR 602. For small quantity, PE documents in field book.

SECTION 725 TEMPORARY DETOUR ROADS

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER				
For details on Temporary Signs, Barricades and Pavement Markings, see Section 713 of this Manual. For details on Gard Rail, see Section 704 of this Manual. For details on Median Roadway Barriers, see Section 733 of this Manual. For details on Seed, see Section 717 of this Manual. For details on Fertilizer, see section 718 of this Manual. For details on Embankments, see section 203 of this Manual.									
BASE COURSE (Roadway)									SEE PART III OF THIS MANUAL.
SURFACE COURSE (Roadway)									SEE PARTS IV, V OR VI OF THIS MANUAL.
TEMPORARY CULVERT PIPE	Accept.	-----	PE	-----	-----	-----	-----	-----	Visual inspection by PE

SECTION 726 BEDDING MATERIAL

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER				
AGGREGATES	Bedding Material	Accept. PE S 101	Dist. Lab	1/1,000 CY stockpile*	1 full sample sack	-----	50 CY	4 days	(AML for stone, RPCC) *Each ingredient may be sampled and approved prior to mixing.
GEOTEXTILE FABRIC		Accept. PE S 601	Mat. Lab	1/type/source/shipment	3 LF/roll width of fabric*	-----	150 SY	10 days	(AML) *Sample a minimum of 18 SF.
PLASTIC SOIL BLANKET		Accept. PE S 401	Dist. Lab	1/1,000 CY*	1 full sample sack/sample	-----	300 CY	10 days	*Not required if tested and approved as required excavation or borrow material.

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SECTION 728 JACKED OR BORED PIPE

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD			CONTAINER				
GROUT	Accept.	SEE SECTION 901 OF THIS MANUAL.							
PIPE & JOINTS	Accept.	SEE SECTION 701 OF THIS MANUAL.							

SECTION 729 PERMANENT SIGNS

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
BACKFILL (Soil)	Accept.	----	PE	----	----	----	----	----	Visual inspection by PE.	
CONCRETE (Class M)	Mix Designs, Materials & Tests	SEE SECTION 901 OF THIS MANUAL.								
GALVANIZING REPAIR COMPOUND	Ferrous Metal	SEE SECTION 811 OF THIS MANUAL.								
GROUND ROD ASSEMBLY	Ground Rod, Wire & Clamp	Accept.	PE S 501	Mat. Lab.	1/item	1 of each item wire - 10 in. length	----	----	9 days	Visual inspection by PE. Sample only if questionable. Coated steel hardware is not permitted.
DEAD END ROAD INSTALLATION	Guard Rail, Hardware, Posts.	SEE SECTION 704 OF THIS MANUAL.								
HARDWARE	Bolts, Nuts & Washers	Accept.	----	Mat. Lab	----	----	CC	----	----	Smaller than 3/8 in. or smaller. Sample if questionable.

SECTION 729 PERMANENT SIGNS (Cont'd)

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
HARDWARE (Cont'd)	Mounting Bracket, Strap, Seal	Accept.	----	Const. Fab. Insp.	----	----	CC	----	----	Visual inspection by Proj Engr. If questionable, contact Traffic Services.
	Rivets	Accept.	----	Const. Fab. Insp.	----	----	CC	----	----	----
PILING	Timber	Accept.	SEE SECTION 804 OF THIS MANUAL.							
POSTS (Sign, Marker & Delineator)	Flexible and Rigid	Accept.	PE S 501	Mat. Lab	1/shipment	1 post	CC	----	10 days	(AML for delineator posts) Visual inspection by PE. Sample only if questionable.
OBJECT MARKERS		Accept.	----	Mat. Lab	----	----	CC	----	----	Visual inspection by PE. Sample only if questionable.
REINFORCE-MENT	Bars and Stirrups	Accept.	PE S 501	Mat. Lab	1/size/source	48 in. length or 2 stirrups	CA	----	10 days	(AML) Sample if questionable.

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SECTION 729 PERMANENT SIGNS (Cont'd)

MATERIAL		PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
			METHOD			CONTAINER				
SIGN MOUNTING		Accept.	PE	Const. Fab. Insp.			CA			Inspected and stamped by Const. Fab. Insp.
SIGNS	All Permanent Signs	Accept.	PE	Traffic Services Sign Inspection Team	1/Project		CC and Report from Traffic Services.	----	10 days	For Multi-lane Highways and Sign Projects contact and Sign Inspection Team in Traffic Services.
TRAFFIC SIGNS & MILEPOST MARKERS	Sign Sheeting	Accept.	PE S 501				CC	----	10 days	(AML for reflective sheeting.) If questionable, contact Const. Fab Unit
	Aluminum Panels & Structural	Accept.	PE S 501	Mat. Lab			CC	----	10 days	If questionable, contact Const. Fab Unit

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SECTION 731 RAISED PAVEMENT MARKERS

MATERIAL		PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
			METHOD			CONTAINER				
ADHESIVE (For Pavement Markers)	Bituminous	Batch Cert	Dist. Lab S 606	Mat. Lab	1/lot	0.5 gal friction top can	----	----	21 days	(AML)
		Accept.	PE S 606	Mat. Lab	1/lot	0.5 gal friction top can	CD	----	11 days	(AML) CD or sample.
	Epoxy.	Batch Cert	Dist. Lab S 606	Mat. Lab	1/lot/ component	0.5 gal friction top can	----	----	21 days	(AML)
		Accept.	PE S 606	Mat. Lab	1/lot	0.5 gal friction top can	CD	----	11 days	(AML) CD or sample.
RAISED PAVEMENT MARKERS		Batch Cert	Dist. Lab S 607	Mat. Lab	1/10,000/ type/source	10 markers	----	----	10 days	(AML)
		Accept.	PE S 607	Mat. Lab	1/lot	10 markers	CD	----	10 days	(AML) CD or sample.

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SECTION 732 PLASTIC PAVEMENT MARKINGS

MATERIAL		PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
			METHOD			CONTAINER				
GLASS BEADS		Batch Cert	Dist. Lab S608 or	Mat. Lab	1/lot	1 - 50 lb bag or	CA	----	10 days	CA must include test results to show compliance with EPA limits on arsenic. Use Sampling Method S 608 when glass beads are shipped in 50 lb bags.
PREFORMED PLASTIC MARKING TAPE		Batch Cert	Dist. Lab	Mat. Lab	1/lot	2-6 ft lengths	----	----	10 days	(AML)
		Accept.	PE S 609	Mat. Lab	1/lot	2 - 6 ft lengths	CD	----	10 days	(AML) CD or sample.
THERMO-PLASTIC MARKING (Hot Applied)		Batch Cert	Dist. Lab S 610	Mat. Lab	1/lot	1 gal can	----	----	10 days	(AML)
		Accept.	PE S 610	Mat. Lab	1/lot	1 gal can	CD	----	10 days	(AML) Sample only if questionable.
THERMO-PLASTIC MARKING		Accept.	PE S 610	Mat. Lab	----	----	CC	----	10 days	(AML) *Visual inspection

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SECTION 734 RUBBLIZING PORTLAND CEMENT CONCRETE PAVEMENT

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4/22

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
BACKFILL MATERIAL	Base Course Aggregate	Accept.	PE		1/1,000 CY	1 full sample sack	-----	50 CY	4 days	-----
ASPHALT CONCRETE PATCHING										SEE SECTION 510 OF THIS MANUAL
TEST PIT		Accept.	PE	PE	-----	-----	-----	-----	-----	For purpose of approving equipment and pattern. Document in Field Book.

SECTION 735 MAILBOXES AND MAILBOX SUPPORTS

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4/22

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
MAILBOXES AND MAILBOX SUPPORTS										VISUAL INSPECTION BY PROJECT ENGINEER.

SECTION 736 TRAFFIC SIGNALS

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4/22

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
ANCHOR BOLTS (Pedestal)		Accept.	PE S 501	Mat. Lab	1/type/lot or shipment	1 bolt	CA	-----	11 days	-----
BACKFILL	Usable Soil									SEE SECTION 203 OF THIS MANUAL.
CONCRETE	Mix Designs, Materials & Tests									SEE SECTION 901 OF THIS MANUAL.
SURFACE FINISH										SEE SECTION 805 OF THIS MANUAL.
ELECTRICAL CONDUCTORS		Accept.	-----	PE	-----	-----	CA	-----	-----	Visual inspection by PE
ELECTRICAL JUNCTION BOX		Accept.	-----	Traffic Services and Operations	-----	-----	CC	-----	10 days	(TOAPL) *Submit to Traffic Services. Traffic Services will return approved copy.
GROUND RODS		Accept.	PE S 501	Mat. Lab	1/item*	1 of each item Wire - 18 in.	-----	-----	9 days	*Visual inspection by PE Sample only if questionable. Coated steel hardware is not permitted.
GUY COMPONENTS (Hardware)		Accept.	PE S 501	Mat. Lab	1/type/lot or shipment	1 of each item*	-----	-----	12 days	*One piece of each type of hardware used is to be submitted.
MANHOLE FRAMES AND COVERS										SEE SECTION 807 (CASTINGS) OF THIS MANUAL.
METAL POLES FOR TRAFFIC SIGNAL		Accept.	-----	Traffic Services and Operations	-----	-----	CA	-----	-----	*Submit to Traffic Services. Traffic Services will return approved copy. Visual inspection by PE

SECTION 736 TRAFFIC SIGNALS (Cont'd)

MATERIAL	PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		METHOD			CONTAINER					
PRECAST REINFORCED		SEE SECTION 702 OF THIS MANUAL.								
REINFORCING STEEL	Bars	Accept.	PE S 501	Mat. Lab	1/size/ source*	48 in. length	CA	----	10 days	*If listed on the AML materials with a CA (Dist. 1) need not be sampled. Sample for verification if questionable.
RIGID METAL ELECTRICAL CONDUIT	Brochures, Drawings, Equipment Submittals	Accept.	----	Traffic Services and Operations Engr.	----	----	CA	----	----	*Submit to Traffic Services. Traffic Services will return approved copy. Visual inspection by PE
STEEL STANDARDS & MAST ARMS		----	----	Traffic Services and Operations Engr.	----	----	CC	----	----	(TOAPL for single mast arms larger than 50' and dual mast arms larger than 45' x 45') *Submit to Traffic Services. Traffic Services will return approved copy. Visual inspection by PE
SUPPORT CABLE		Accept.	----	Traffic Services and Operations Engr.	----	----	CC	----	----	*Submit to Traffic Services. Traffic Services will return approved copy. Visual inspection by PE
TIMBER POLES		Accept.	SEE SECTION 812 OF THIS MANUAL.							
TRAFFIC SIGNAL CABLE, SIGNAL HEADS, DETECTORS, SIGNAL HARDWARE AND EQUIPMENT	Brochures, Drawings, Equipment Submittals	----	----	Traffic Services and Operations Engr.	----	----	CC	----	----	(TOAPL for signal heads and mast arm brackets) *Submit to Traffic Services. Traffic Services will return approved copy. Visual inspection by PE

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SECTION 737 PAINTED TRAFFIC STRIPING

MATERIAL		PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
			METHOD			CONTAINER	DISTR.			
GLASS BEADS		Batch Cert.	Dist. Lab	Mat. Lab	1/lot	1 - 50 lb bag	----	----	10 days	----
		Accept.	PE S 608	Mat. Lab	1/lot	1 - 50 lb bag 1 gal can	CD*&CA CD (Physical) CA (Chemical)	----	10 days	*CD issued when presampled by Dist. Lab and preapproved. Sample only if questionable. Use Sampling Method S 608 when glass beads are shipped in 50 lb bags. Use AASHTO T 346 Section 4 when glass beads are shipped in bulk containers.
TRAFFIC PAINT	Water-based	Batch Cert.	Dist. Lab S 608	Mat. Lab	1/lot	1 pt friction top can	----	----	11 days	(AML)
		Accept.	PE S 608	Mat. Lab	1/lot	1 pt friction top can	CD*	----	11 days	(AML) *CD issued when presampled by the Dist. Lab and preapproved. Sample only if questionable.

SECTION 738 MULCH SODDING

MATERIAL		PURP.	SAMPLED BY	TESTED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
			METHOD			CONTAINER				
AGRICULTURAL LIME										SEE SECTION 718 OF THIS MANUAL.
FERTILIZER										SEE SECTION 718 OF THIS MANUAL.
MULCH SOD		Accept.	----	Roadside Development	----	----	----	----	----	*Visual inspection by Roadside Development personnel prior to mulching.
SEEDING										SEE SECTION 717 OF THIS MANUAL.
WATER		Accept.	PE S 303	Mat. Lab	1/source*	1 qt plastic bottle	----	----	11 days	Visual, sample if questionable, if not potable
TOPSOIL										SEE SECTION 715 OF THIS MANUAL.

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SECTION 739 HYDRO-SEEDING

MATERIAL	PURP.	SAMPLED BY		TESTED BY	MIN. FREQ.	MIN. QUANT.		CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		METHOD				CONTAINER					
AGRICULTURAL LIME		SEE SECTION 718 OF THIS MANUAL.									
FERTILIZER		SEE SECTION 718 OF THIS MANUAL.									
MULCHING	Other Materials	Accept.	PE S 601	Mat. Lab	1/source*	3 full sample sacks	----	----	----	*Visual inspection by PE Sample only if questionable.	
	Wood Fiber	Accept.	PE S 601	Mat. Lab	1/source*	3 full sample sacks	----	----	----	*Visual inspection by PE Sample only if questionable.	
SEED		SEE SECTION 717 OF THIS MANUAL.									
WATER		Accept.	PE S 303	Mat. Lab	1/source*	1 qt plastic bottle	----	----	11 days	Visual, sample if questionable, if not potable	
WATER MANAGEMENT GEL, POLY-ACRYLAMIDE TACKIFIER, AND MYCORRHIZAL INOCULUM		Accept.	----	PE	----	----	----	----	----	Visual inspection by PE of all ingredients prior to mixing.	
HYDRO-SEEDING SYSTEM		Accept.	PE S 303	Mat. Lab	1/source*	----	CC	----	----	(AML) * If all materials are included in a single manufacturer's hydro-seeding system.	

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