

Appendix C – Frequency Guide, All Phases



Admixtures for Concrete

valuation of Production Facility for CTD Materials				Facility Qualification
Production facility data maintained to provide a basis for qualified products.	1	per	1	Prior to Usage on Project
Evaluation of Material Product for CTD Materials				Product Qualification
Qualification of Material Product for use on State Projects.	1	per	1	Prior to Usage on Project
Material Product QC				Product Qualification
Concrete Technology Laboratory to collect and evaluate Admixture Material Samples. 1 Quart in a Screw Top Can	1	per	1	Months
gregate Materials, Controlled Mixtures				
Plant or Product Qualification				
Evaluation of Production Facility for SATD Materials				Facility Qualification
Qualification of Production Facility for state projects.	1	per	1	Prior to Source Request
	1	per	1	Year
Evaluation of Material Product for SATD Materials				Product Qualification
Qualification of Material Product.	3	per	1	Prior to Source Request
35 Lbs, of final mix in a Soils Bag	1	per	2	Year
Routine SATD Production QA				Product QC/QA
Production Quality Assurance	1	per	20	Production Day
SATD Material Product QC				Product QC/QA
Producer to perform daily gradations and moisture	1	per	1	8 Hour Shift
checks on aggregate materials.	1	per	1000	Ton
35 Lbs in a Soils Bag				
ource Approval				
Source Submission				Source of Supply Submitta
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
Material Verification for SATD Materials				Material Verification
Project Engineer to verify load ticket for correct JMF.	1	per	1	Placement Day
Project Site Testing				Material Sampling and Testing
Compaction and Moisture analysis performed by Project	1	per	1	Placement Day
Engineer. Submit compaction report to MMD for clearance.	1	per	1	Lane Mile per Lift

Aggregate Materials, Crushed Gradations

Plant or Product Qualification			
Evaluation of Production Facility for SATD Materials			Facility Qualification
Evaluation of Crushed Aggregate producers that wish to	1 per	1	Prior to Usage on Project
be placed on the Aggregate Bulletin.	1 per	1	Year

Evaluation of Crushed Aggregate producers that do NOT 1 per 1 Prior to Usage on Project require to be listed in the Aggregate Bulletin.

Source Approval

Source Submission			Source of Supply Submittal
Source of Supply Processing	1 per	1	Prior to Usage on Project

Material Production

SATD Material Review		Material Certification for Project Usage
Material to be sampled as Common Borrow at its place of origin. Project Engineer to contact SATD to schedule a sampling.	1 per 1	Prior to Usage on Project
35 LBS in a Soils Bag		
Material to be sampled as Capping Borrow at its place of origin. Project Engineer to contact SATD to schedule a sampling.	2 per 1	Prior to Usage on Project
35 LBS in a Soils Bag		
Material to be sampled as Modified Borrow at its place of origin. Project Engineer to contact SATD to schedule a sampling.	2 per 1	Prior to Usage on Project
35 LBS in a Soils Bag		
Material to be sampled as Select Borrow at its place of origin. Project Engineer to contact SATD to schedule a sampling.	2 per 1	Prior to Usage on Project
35 LBS in a Soils Bag		

Project Construction

Material Verification for SATD Materials				Material Verification
Project Engineer to verify material product, submit Form 14.	1 pe	r 1	Placement Day	
Project Engineer to submit verification samples of Common Borrow material.	1 pe	r 15000	Cubic Yard	
35 LBS in a Soils Bag				
Project Engineer to submit verification samples of Modified Borrow material.	1 pe	r 15000	Cubic Yard	
35 LBS in a Soils Bag				
Project Engineer to submit verification samples of material of Select Borrow.	1 pe	r 15000	Cubic Yard	
35 LBS in a Soils Bag				
Project Site Testing			Materi	al Sampling and Testing

4 per	1	Lane Mile per Lift
1 pei	2000	Cubic Yard
4 per	1	Lane Mile per Lift
1 per	2000	Cubic Yard
4 per	1	Lane Mile per Lift
1 per	2000	Cubic Yard
4 pei	1	Lane Mile per Lift
1 per	2000	Cubic Yard
1 per	150	Linear Feet per 3 Foot Lift
	1 per 4 per 1 per 4 per 1 per 4 per 1 per	1 per 2000 4 per 1 1 per 2000 4 per 1 1 per 2000 4 per 1 1 per 2000

Aggregate Materials, High Friction Surf. Treatment

Plant or Product Qualification				
Evaluation of Production Facility for SATD Materials				Facility Qualification
	1	per	1	Prior to Usage on Project
Source Approval				
Source Submission				Source of Supply Submitte
Source of Supply Processing	1	per	1	Prior to Usage on Project
Material Production				
SATD Certification Review				Material Certification for Project Usag
Material Certification/Documentation to be provided by material supplier during Source Submission.	1	per	1	Prior to Usage on Project
SATD Material Review				Material Certification for Project Usag
Supplier to provide SATD samples of Calcined Bauxite Aggregate 45 days prior to construction. Supplier to contact SATD for delivery instructions.	2	per	1	Prior to Usage on Project
Supplier to provide SATD samples of Polymer Resin Binder. Supplier to contact SATD for delivery instructions	1	per	1	Prior to Usage on Project
Project Construction				
Material Verification for SATD Materials				Material Verification
Project Engineer to verify the coverage rate of the retained aggregate meets the required quantity of the special provision	1	per	1	Test Section
Project Engineer to contact the Office of Material Technology to coordinate field acceptance testing (Table 3 of Special Provision) within 60 days after Construction	1	per	0.1	Lane Mile

Aggregate Materials, Other Stone and Sand

Plant or Product Qualification				
Evaluation of Production Facility for SATD Materials				Facility Qualification
Evaluation of Crushed Aggregate producers that wish to be placed on the Aggregate Bulletin.	1	per	1	Prior to Usage on Project
Evaluation of Crushed Aggregate producers that do NOT require to be listed in the Aggregate Bulletin.	1	per	1	Prior to Usage on Project
Source Approval				
Source Submission				Source of Supply Submitt
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
Material Verification for SATD Materials				Material Verificatio
Project Engineer to verify material, Submit form 14 for clearance	1	per	1	Item Completion
gregate Materials, Recycled PCC Gradations				
Source Approval				
Source Submission				Source of Supply Submitt
Source of Supply Processing	1	per	1	Prior to Source Request
Material Production				
SATD Certification Review				Material Certification for Project Usag
Material Certification to be provided by material supplier during facility visit.	1	per	1	Prior to Usage on Project
SATD Material Review				Material Certification for Project Usag
Material to be sampled as Common Borrow at its place of origin. Project Engineer to contact SATD to schedule a sampling.	2	per	1	Prior to Usage on Project
35 LBS in a Soils Bag Material to be sampled as Modified Borrow at its place of origin. Project Engineer to contact SATD to schedule a sampling.	2	per	1	Prior to Usage on Project
35 LBS in a Soils Bag Material to be sampled as Select Borrow at its place of	2	per	1	Prior to Usage on Project
origin. Project Engineer to contact SATD to schedule a sampling.				
sampling.				
sampling. 35 LBS in a Soils Bag				Material Verificatio

Project Engineer to submit verification samples of material of Modified Borrow.	1 p	er	15000	Cubic Yard
35 LBS in a Soils Bag				
Project Engineer to submit verification samples of Select Borrow material.	1 p	er	15000	Cubic Yard
35 LBS in a Soils Bag				
roject Site Testing				Material Sampling and Testing
Project Engineer to verify pH of placed recycled materials.	1 p	er	1	Project Completion
Project Engineer to verify pH of placed material, and	4 p	er	1	Lane Mile per Lift
perform Compaction and Moisture analysis of Common Borrow. Submit Compaction report to MMD for clearance.	1 p	er	2000	Cubic Yard
Project Engineer to verify pH of placed recycled material,	4 p	er	1	Lane Mile per Lift
and perform Compaction and Moisture analysis of Modified Borrow.	1 p	er	2000	Cubic Yard
Project Engineer to verify pH of placed material, and	4 p	er	1	Lane Mile per Lift
perform Compaction and Moisture analysis of Select Borrow. Submit Compaction report to MMD for clearance.	1 p	er	2000	Cubic Yard

Aggregate Materials, Source Material

			ification
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Evaluation of Production Facility for SATD Materials		Facility Qualification
Qualification of Quarry	1 per 1	Prior to Source Request
	1 per 1	Year
Review of Aggregate Quality		Product Qualification
Annual Quality of Coarse Aggregates	1 per 1	Prior to Source Request
50 Lbs (or 35 Lbs for lightweight) in a Soils Bag	1 per 1	Year
Annual Quality of Fine Aggregates.	1 per 1	Prior to Source Request
50 Lbs (40 lbs for lightweight) in a Soils Bag	1 per 1	Year

Asphalt Additives

Plant or Product Qualification

Evaluation of Production Facility for ATD Materials		Facility Qualification
Production facility data maintained to track the material supply chain and provide a basis for qualified products.	1 per 1	Prior to Usage on Project
Evaluation of Material Product for ATD Materials		Product Qualification

Asphalt Mixtures

Plant or Product Qualification

Evaluation of Production Facility for ATD Materials	Facility Qualification
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Production facility to be certified to produce material for State projects.	1 p	er	12	Months
Evaluation of Material Product for ATD Materials				Product Qualification
Review and Qualification of Asphalt Mixture Material Product.	1 p	er	1	Prior to Source Request
SHA Acceptance Facility Visit for Asphalt Mix Production				Product QC/QA
	1 p	or	6000	Ton
Production Quality Assurance		er	6000 10	Production Day
SHA Acceptance of Binder Component				Product QC/QA
Asphalt Technology representative to witness and take	1 p	er	10	Production Day
possession of material sample.	1 p	er	1	Project Completion
1 Quart in a Friction Top Can	1 p	er	6000	Ton
Source Approval				
Source Submission				Source of Supply Submittal
Source of Supply Processing	1 p	er	1	Prior to Usage on Project
Material Production				
Notification of Production for ATD materials				Production Notification
Producer to notify the Asphalt Technology Division 1 day prior to production.	1 p	er	1	Placement Day
Project Construction				
Core Sampling for Asphalt Mix Density Analysis				Material Sampling and Testing
Project Engineer shall verify that the contractor takes QC and QA Density Cores at random locations in the pavement. (1 Sample = 5 Cores Min. See Material QA Manual for more information)	2 p	er	1	Production Day
1 Sample = 5 - 6" Dia. Cores (min)				
Density Gauge testing for Patches or Small Quantities				Material Sampling and Testing
Patch density measured at random locations with an asphalt density gauge, recorded on a Form 73-1P and submitted to OMT. See specification 505.03.14 for additional details.	1 p	er	1	Lift of each Patch
2 Readings per test				
Box Sampling for Asphalt Mixture				Material Sampling and Testing
Project Engineer shall verify that the contractor takes QC and QA Mix Box at random intervals during placement of asphalt mixture.	2 p 2 p		1000 1	Ton Production Day
1 Sample = 1-50 LB Box (2-50 LB for 25.0mm Mix, 2-50 LB for				
37.5mm Mix)				

Project Engineer shall verify that the contractor takes QC and QA Box Samples at random intervals at least once per mix for every 1000 tons or once per mix weekly, whichever yields the greater frequency. See 505.03.12 for additional details.

1 Sample = 1-50 LB Box (2-50 LB for 25.0mm Mix, 2-50 LB for 37.5mm Mix)

Asphalt Mix Density Pay Factor Analysis

Density QA and QC results are to be processed by the Asphalt Technology Division to develop a recommended "Density Pay Factor"

"Density Pay Factor".

Asphalt Mix Pay Factor Analysis

Mixture QA and QC results are to be processed by the Asphalt Technology Division to develop a recommended "Mixture Pay Factor".

1 per 1

2 per

2 per

1000

Sample Set

Placement Day

Ton

Sample Analysis

Project Wide Testing

Facility Qualification

Product Qualification

Sample Analysis

1 per 1 Project Completion
1 per 6000 Ton

Evaluation of Pavement Surface Profile

Surface profiling will be completed as indicated in Section 535 of the Special Provisions.

1 per 1

1

Item Completion

Asphalt Release

Plant or Product Qualification

Evaluation of Production Facility for ATD Materials			
Production facility data maintained to provide a basis for qualified products.	1	per	

Prior to Usage on Project

1 per 1 Prior to Usage on Project

Cement Materials and Bagged Mixtures, Group 1

Evaluation of Material Product for ATD Materials

Plant or Product Qualification

Qualification of Material Product.

Evaluation of Production Facility for CTD Materials
Production facility data maintained to provide a basis for
qualified products.

1 per 1

Facility Qualification

Prior to Source Request

Evaluation of Material Product for CTD Materials

Qualification of Material Product for use on State Projects

1 per 1 Prior to Source Request

Source Approval

Source Submission	
Source of Supply Processin	o

Source of Supply Submittal

Material Verification

1 per 1 Prior to Usage on Project

Project Construction

CTD Material Verification

L	
	Project Engineer to collect certifications (TC 1.03 w/o test
	data) and submit to OMT for clearance.

1 per

Delivery to Project

Cement Materials and Bagged Mixtures, Group 2

Plant or Product Qualification

Review of Misc Production Location				Limited Producer Chec
Production facility data maintained to track the material supply chain.	1 pe	r 1	L	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submitt
Source of Supply Processing	1 pe	r 1	L	Prior to Usage on Project
Material Production				
CTD Material Review and Acceptance				Material Certification for Project Usag
Submit sample of material accompanied by a Form 88 and Material certification (1.03 w/o test data) to OMT for job specific approval.	1 pe	r 1	L	Prior to Usage on Project
1 Factory Sealed Container in a Factory Sealed Container				
Project Construction				
CTD Material Verification				Material Verificatio
Project Engineer to collect certifications (TC 1.03 w/o test data) and a material sample. Submit to OMT for verification and clearance	1 pe	r 1		Delivery to Project
ement Materials and Bagged Mixtures, Group 3				
Plant or Product Qualification				
Review of Misc Production Location				Limited Producer Che
Production facility data maintained to track the material supply chain.	1 pe	r 1	L	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submitt
Source of Supply Processing	1 pe	r 1	_	Prior to Usage on Project
Material Production				
CTD Material Review and Acceptance				Material Certification for Project Usag
Submit Form 88 and Material Certification (1.03 w/o test data) to OMT for job specific approval.	1 pe	r 1	<u> </u>	Prior to Usage on Project
Project Construction				<u> </u>
CTD Material Verification				Material Verificatio
Project Engineer to verify approval stamp.	1 pe	r 1		Delivery to Project
ement Materials and Bagged Mixtures, Group 4				
Plant or Product Qualification				
Evaluation of Production Facility for CTD Materials				Facility Qualification
Material Specific Qualification of Material Producer	1 pe	r 1	L	Prior to Source Request

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Plant or Product Qualification

Facility Qualificat
8 Hour Shift
0 Ton
Production Day
Prior to Source Request
Source of Supply Submit
Prior to Usage on Project
Material or Treatment Change
Prior to Usage on Project
Material Certification for Project Use
Prior to Usage on Project
Prior to Usage on Project
Material Sampling and Test
Project
Cement Modified Subgrade
Cement Treated Base
Truck Load
Placement Day
Placement Day
Lane Mile per Lift
Facility Qualificat
Prior to Source Request
Source of Supply Submi
Prior to Usage on Project

LPD Material Verification				Material Verification
Project Engineer to inspect compost certification provided by the Contractor with the delivery to verify that compost is of the correct type per 920.02.05, and that compost is sourced from a MDA or MDE approved producer. Project Engineer to visually inspect the placed material to ensure the compost is fit for usage and applied as specified. Project Engineer to submit Form 14 with copy of product label or delivery ticket for clearance.	1	per	1	Delivery to Project
Plant or Product Qualification				
Review of Misc Production Location				
Production facility data maintained to track the material supply chain.	1	per	1	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submit
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
CTD Material Verification				Material Verificat
Project Engineer to collect certifications (1C 1.03 W/o test	1	per	1	Delivery to Project
Project Engineer to collect certifications (TC 1.03 w/o test data) and submit to OMT for clearance. Intract Specified Material Systems	1	per	1	Delivery to Project
data) and submit to OMT for clearance.	1	per	1	Delivery to Project
ntract Specified Material Systems	1	per	1	
data) and submit to OMT for clearance. Intract Specified Material Systems Plant or Product Qualification		per	1	
data) and submit to OMT for clearance. Intract Specified Material Systems Plant or Product Qualification Review of Misc Production Location Production facility data maintained to track the material				Limited Producer Ch
data) and submit to OMT for clearance. Intract Specified Material Systems Plant or Product Qualification Review of Misc Production Location Production facility data maintained to track the material supply chain.				Limited Producer Ch Prior to Source Request
data) and submit to OMT for clearance. Intract Specified Material Systems Plant or Product Qualification Review of Misc Production Location Production facility data maintained to track the material supply chain. Source Approval	1			Limited Producer Cha Prior to Source Request
data) and submit to OMT for clearance. Intract Specified Material Systems Plant or Product Qualification Review of Misc Production Location Production facility data maintained to track the material supply chain. Source Approval Source Submission	1	per	1	Limited Producer Cha Prior to Source Request Source of Supply Submit
data) and submit to OMT for clearance. Intract Specified Material Systems Plant or Product Qualification Review of Misc Production Location Production facility data maintained to track the material supply chain. Source Approval Source Submission Source of Supply Processing	1	per	1	Limited Producer Che Prior to Source Request Source of Supply Submit Prior to Usage on Project
data) and submit to OMT for clearance. Intract Specified Material Systems Plant or Product Qualification Review of Misc Production Location Production facility data maintained to track the material supply chain. Source Approval Source Submission Source of Supply Processing Project Construction	1	per	1	Limited Producer Che Prior to Source Request Source of Supply Submit Prior to Usage on Project
data) and submit to OMT for clearance. Intract Specified Material Systems Plant or Product Qualification Review of Misc Production Location Production facility data maintained to track the material supply chain. Source Approval Source Submission Source of Supply Processing Project Construction LPD Material Verification Project Engineer to collect manufacturers certification (TC 1.03 w/o test results) and fill out Form 14 indicating material was placed in accordance with documents.	1	per	1	Limited Producer Cha Prior to Source Request Source of Supply Submit Prior to Usage on Project Material Verificat
data) and submit to OMT for clearance. Intract Specified Material Systems Plant or Product Qualification Review of Misc Production Location Production facility data maintained to track the material supply chain. Source Approval Source Submission Source of Supply Processing Project Construction LPD Material Verification Project Engineer to collect manufacturers certification (TC 1.03 w/o test results) and fill out Form 14 indicating material was placed in accordance with documents. Submit certification and Form 14 to OMT for clearance.	1	per	1	Limited Producer Che Prior to Source Request Source of Supply Submit Prior to Usage on Project Material Verificati
data) and submit to OMT for clearance. Intract Specified Material Systems Plant or Product Qualification Review of Misc Production Location Production facility data maintained to track the material supply chain. Source Approval Source Submission Source of Supply Processing Project Construction LPD Material Verification Project Engineer to collect manufacturers certification (TC 1.03 w/o test results) and fill out Form 14 indicating material was placed in accordance with documents. Submit certification and Form 14 to OMT for clearance.	1	per	1	Limited Producer Cha Prior to Source Request Source of Supply Submit Prior to Usage on Project Material Verificat

Evaluation of Material Product for CTD Materials

Product Qualification

Qualification of Material Product for use on State Projects.	1 per 1	Prior to Source Request
Source Approval		
Source Submission		Source of Supply Submittal
Source of Supply Processing	1 per 1	Prior to Usage on Project
Project Construction		
CTD Material Verification		Material Verification
Project Engineer to collect certifications (TC 1.03 w/ test data) and submit to OMT for clearance.	1 per 1	Delivery to Project
Decorative Concrete Finish, Horizontal Surface		
Plant or Product Qualification		
Evaluation of Production Facility for CTD Materials		Facility Qualification
Material Specific Qualification of Material Producer	1 per 1	Prior to Source Request
Source Approval		
Source Submission		Source of Supply Submittal
Source of Supply Processing	1 per 1	Prior to Usage on Project
Project Construction		
CTD Material Verification		Material Verification
Project Engineer to inspect placed materials and submit Form 14 to MMD for clearance.	1 per 1	Item Completion
Decorative Concrete Stains, Vertical Surface		
Plant or Product Qualification		
Evaluation of Production Facility for CTD Materials		Facility Qualification
Production facility data maintained to provide a basis for qualified products.	1 per 1	Prior to Source Request
Evaluation of Material Product for CTD Materials		Product Qualification
Qualification of Material Product for use on State Projects.	1 per 1	Prior to Source Request
Source Approval		
Source Submission		Source of Supply Submittal
Source of Supply Processing	1 per 1	Prior to Usage on Project
Project Construction		
CTD Material Verification		Material Verification
Project Engineer to collect manufacturer's material certifications (TC 1.03 w/ test data) and submit to MMD for clearance.	1 per 1	Delivery to Project

Decorative Reinforced Thermoplastic

Plant or Product Qualification

Product Qualification				Product Qualification
	1 pe	er	5	Year
ource Approval				
Source Submission				Source of Supply Submit
Sources of Supply Processing	1 pe	er	1	Prior to Source Approval
Project Construction				
LPD Material Verification				Material Verificati
Material/Product Verification at Project Site. Project	1 pe	er	1	Item Completion
Engineer to verify material product, and submit Form 14 for material clearance, which validates the following: Verifying that the imprinting tools and materials are compatible; Monitoring the Contractor/subcontractor conformance with the Quality Control Plan; Verifying the Contractor/subcontractor qualifications to produce this type of markings and comply with these and the manufacturer's specifications; Verifying the actual results of all Quality Control tests for the actual materials in the batch submitted for the project. Plant or Product Qualification Review of Misc Production Location Production facility data maintained to track the material supply chain.	1 pc	er	1	Prior to Usage on Project Limited Producer Che
Source Approval				
				Source of Supply Submit
Source Submission				
Source Submission Source of Supply Processing	1 pe	er	1	Prior to Usage on Project
	1 pe	er	1	Prior to Usage on Project
Source of Supply Processing	1 pe	er	1	
Source of Supply Processing Material Production	1 pc		1	
Source of Supply Processing Material Production Approval of Material Prior to Shipment Producer to submit Catalog Cuts to the Office of Traffic				Material Certification for Project Usa
Source of Supply Processing Material Production Approval of Material Prior to Shipment Producer to submit Catalog Cuts to the Office of Traffic and Safety.				Material Certification for Project Usa
Source of Supply Processing Material Production Approval of Material Prior to Shipment Producer to submit Catalog Cuts to the Office of Traffic and Safety. Project Construction		er		Material Certification for Project Usa Prior to Usage on Project

Evaluation of Production Facility for ATD Materials			Facility Qualification
Production facility to be certified to produce material for State projects.	1 per 12	Months	
Evaluation of Material Product for ATD Materials			Product Qualification

Qualification of Material Product for use on State Projects.	1 pe	r 1	Prior to Usage on Project
Source Approval			
Source Submission			Source of Supply Submittal
Source of Supply Processing	1 pe	r 1	Prior to Usage on Project
Project Construction			
ATD Material Verification			Material Verification
Project Engineer to collect certifications (TC 1.03 w/ test data), FORM 88, and material samples. Submit items to OMT for testing and clearance. 1 Gallon in a Widemouth Plastic Jar	1 pe	r 1	Item Completion
Emulsified Asphalts, Tack Coat			
Plant or Product Qualification			
Evaluation of Production Facility for ATD Materials			Facility Qualification
Production facility to be certified to produce material for State projects.	1 pe	r 12	Months
Evaluation of Material Product for ATD Materials			Product Qualification
Qualification of Material Product for use on State Projects	1 pe	r 1	Prior to Source Request
Source Approval			
Source Submission			Source of Supply Submittal
Source of Supply Processing	1 pe	r 1	Prior to Usage on Project
Project Construction			
ATD Material Verification			Material Verification
Project Engineer to collect certifications (TC 1.03 w/ test data), FORM 88, and material samples. Submit items to OMT for testing and clearance.	1 pe	r 1	Item Completion
1 Gallon in a Widemouth Plastic Jar			
Fertilizers			
Plant or Product Qualification			
Evaluation of Material Producer for LPD Materials			Facility Qualification
Qualification of Fertilizer producer for use on State projects	1 pe	r 1	Prior to Source Request
Source Approval			
Source Submission			Source of Supply Submittal
Source of Supply Processing	1 pe	r 1	Prior to Usage on Project

Project Construction

LPD Material Verification

Material Verification

Project Engineer to verify that fertilizer is from the correct source. Project Engineer to inspect fertilizer labels, visually inspect fertilizer, and verify fertilizer composition and proposed application rates. Project Engineer to verify fertilizer usage and submit Form 14 with fertilizer labels for material clearance.

1 per 1 Delivery to Project

Foamed Asphalt Stabilized Base Course

Review of Misc Production Location				Limited Producer Chec
Production facility data maintained to track the material	1 p	or	1	Prior to Source Request
supply chain.	1 p	Ci	1	Phot to Source Request
Source Approval				
Source Submission				Source of Supply Submitte
Source of Supply Processing	1 p	er	1	Prior to Usage on Project
orm Release				
Plant or Product Qualification				
Evaluation of Production Facility for CTD Materials				Facility Qualificatio
Production facility data maintained to provide a basis for qualified products.	1 p	er	1	Prior to Source Request
Evaluation of Material Product for CTD Materials				Product Qualificatio
Qualification of Material Product for use on State Projects.	1 p	er	1	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submitte
Source of Supply Processing	1 p	er	1	Prior to Usage on Project
Project Construction				
CTD Material Verification				Material Verificatio
Project Engineer to inspect placed material and submit Form 14.	1 p	er	1	Delivery to Project
eosynthetic Materials, Geotextiles				
Plant or Product Qualification				
Evaluation of Production Facility for SATD Materials				Facility Qualificatio
Cursory Plant data record review, required for qualified products.	1 p	er	1	Prior to Source Request
Evaluation of Material Product for SATD Materials				Product Qualificatio
Qualification of Material Product.	1 p	er	1	Prior to Source Request
	1 p	er	24	Months
Material Product QA for SATD Materials				Product QC/C

Source Submission			Source of Supply Submit
Source of Supply Processing	1 per	1	Prior to Usage on Project
Project Construction			
Material Verification for SATD Materials			Material Verificati
Project Engineer to receive certified roll data (TC1.03 w/ test data) and submit to MMD for clearance.	1 per	1	Delivery to Project
osynthetic Materials, Other			
Plant or Product Qualification			
Review of Misc Production Location			Limited Producer Che
Production facility data maintained to track the material supply chain.	1 per	1	Prior to Source Request
Source Approval			
Source Submission			Source of Supply Submit
Source of Supply Processing	1 per	1	Prior to Usage on Project
Project Construction			
Material Verification for SATD Materials			Material Verificat
Project Engineer to verify material.	1 per	1	Delivery to Project
tex Emulsion Plant or Product Qualification			
Plant or Product Qualification			Facility Qualificat
	1 per	1	Facility Qualificat Prior to Usage on Project
Plant or Product Qualification Evaluation of Production Facility for CTD Materials Production facility data maintained to provide a basis for	1 per	1	Facility Qualificati Prior to Usage on Project Product Qualificati
Plant or Product Qualification Evaluation of Production Facility for CTD Materials Production facility data maintained to provide a basis for qualified products.	1 per	1	Prior to Usage on Project
Plant or Product Qualification Evaluation of Production Facility for CTD Materials Production facility data maintained to provide a basis for qualified products. Evaluation of Material Product for CTD Materials Qualification of Material Product for use on State			Prior to Usage on Project Product Qualificat
Plant or Product Qualification Evaluation of Production Facility for CTD Materials Production facility data maintained to provide a basis for qualified products. Evaluation of Material Product for CTD Materials Qualification of Material Product for use on State Projects.			Prior to Usage on Project Product Qualificat
Plant or Product Qualification Evaluation of Production Facility for CTD Materials Production facility data maintained to provide a basis for qualified products. Evaluation of Material Product for CTD Materials Qualification of Material Product for use on State Projects. quid Pavement Marking			Prior to Usage on Project Product Qualificat Prior to Usage on Project
Plant or Product Qualification Evaluation of Production Facility for CTD Materials Production facility data maintained to provide a basis for qualified products. Evaluation of Material Product for CTD Materials Qualification of Material Product for use on State Projects. Juid Pavement Marking Plant or Product Qualification			Prior to Usage on Project Product Qualificat Prior to Usage on Project
Plant or Product Qualification Evaluation of Production Facility for CTD Materials Production facility data maintained to provide a basis for qualified products. Evaluation of Material Product for CTD Materials Qualification of Material Product for use on State Projects. Juid Pavement Marking Plant or Product Qualification Pavement Marking Facility Review	1 per	1	Prior to Usage on Project Product Qualificate Prior to Usage on Project Facility Qualificate Months
Plant or Product Qualification Evaluation of Production Facility for CTD Materials Production facility data maintained to provide a basis for qualified products. Evaluation of Material Product for CTD Materials Qualification of Material Product for use on State Projects. Juid Pavement Marking Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility	1 per	1	Prior to Usage on Project Product Qualificate Prior to Usage on Project Facility Qualificate
Plant or Product Qualification Evaluation of Production Facility for CTD Materials Production facility data maintained to provide a basis for qualified products. Evaluation of Material Product for CTD Materials Qualification of Material Product for use on State Projects. quid Pavement Marking Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility Pavement Marking Product Review	1 per	36	Prior to Usage on Project Product Qualificat Prior to Usage on Project Facility Qualificat Months Product Qualificat

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Source Approval

Source Submission				Source of Supply Submittal
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
Pavement Marking Material Verification at Project Site				Material Verification
Project Engineer to collect manufacture's certifications (TC 1.03 w/ test data) and OMT stamped documentation approving the material batch, submit to MMD for clearance.	1	per	1	Delivery to Project
Post Placement Project Wide Testing				Project Wide Testing
Field Testing at Project Site by the Pavement Marking Team as per MSMT 729.	1	per	1	Item Completion
Miscellaneous Chemical Materials				
Project Construction				
CTD Material Verification				Material Verification
Project Engineer to collect certifications (TC 1.03 w/ test data) and submit certs and Form 14 to OMT for clearance.	1	per	1	Delivery to Project
Miscellaneous Landscape Materials				
Plant or Product Qualification				
Review of Misc Production Location				Limited Producer Check
Production facility data maintained to track the material supply chain.	1	per	1	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submittal
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
Visual Inspection of Placed Material			_	Material Sampling and Testing
Project Engineer to inspect material. Project Engineer to submit Form 14 for material clearance.	1	per	1	Delivery to Project
Miscellaneous Materials				
Source Approval				
Source Submission				Source of Supply Submittal
Source of Supply Processing.	1	per	1	Prior to Usage on Project
Project Construction				
LPD Material Verification				Material Verification
Project Engineer to inspect placed material and submit Form 14.	1	per	1	Delivery to Project
Project Engineer to collect certifications (TC 1.03 w/ test data) and submit certs to OMT for clearance.	1	per	1	Delivery to Project

Miscellaneous Materials with Certifications

Source Approval				Source of Supply Submittal
Source Submission Source of Supply Processing	1	per	1	Prior to Usage on Project
Source of Supply Processing	_	pei	1	riioi to osage oii rioject
Project Construction				
LPD Material Verification				Material Verification
Project Engineer to collect material certifications (TC 1.03 w/o test data) and submit to OMT for clearance.	1	per	1	Delivery to Project
Mulch				
Plant or Product Qualification				
Review of Misc Production Location				Limited Producer Check
Production facility data maintained to track the material supply chain.	1	per	1	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submittal
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
Visual Inspection of Placed Material				Material Sampling and Testing
Project Engineer to inspect placed material to verify that it from the approved source and fit for use. Project Engineer to verify that mulch is placed uniformly and correctly during and after placement. Project Engineer to submit Form 14 for material clearance.	1	per	1	Delivery to Project
Pavement Markers				
Plant or Product Qualification				
Pavement Marking Facility Review				Facility Qualification
Inspection of Production Facility	1	per	24	Months
Pavement Marking Product Review				Product Qualification
Qualification of Material Product	1	per	1	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submittal
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
Pavement Marking Material Verification at Project Site				Material Verification
Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance.	1	per	1	Delivery to Project
Post Placement Project Wide Testing				Project Wide Testing

Field Testing at Project Site by the Pavement Marking Team as per MSMT 729.

1 per 1

Item Completion

Pavement Marking Mat'l: Other

Evaluate new material products through the MPEL process Pavement Marking Product Acceptance Producer to submit material certification conforming to TC 1.03 w/ test data to OMT's Pavement Marking team for review, stamping, and return. Source Approval Source of Supply Processing Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect OMT stamped manufacturer's certification (TC 1.03 w/ test data) and submit them to MMD for clearance. Vement Marking Production Facility Review Qualification of Production Facility Review Qualification of Material Product Source Submission Source of Supply Processing 1 per 1 Prior to Usage on Project Material Verification at Project Site Project Engineer to collect OMT stamped manufacturer's certification (TC 1.03 w/ test data) and submit them to MMD for clearance. Vement Marking Preformed Thermoplastic Plant or Product Qualification Pavement Marking Facility Review Qualification of Production Facility 1 per 1 prior to Usage on Project Project Construction Source Of Supply Subm Source Of Supply Processing 1 per 1 Prior to Source Request Source Submission Source of Supply Processing 1 per 1 Prior to Usage on Project Material Verification Material Verification of Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance.	Pavement Marking Facility Review				Facility Qualification
Evaluate new material products through the MPEL process Pavement Marking Product Acceptance Product OX of Supply Product Acceptance Product OX of Supply Submission Source of Supply Processing Project Engineer to collect OXI stamped manufacturer's certification of Product OX of Months Inspection of Product Qualification Inspection of Product Qualification Qualification of Material Product Source Approval Source OX of Supply Processing 1 per 1 Prior to Usage on Project Material Verification Pavement Marking Material Verification at Project Site Project Engineer to collect OMT stamped manufacturer's certification (TC 1.03 w/ test data) and submit them to MMD for clearance. Verment Marking Preformed Thermoplastic Pavement Marking Product Review Inspection of Production Facility Qualification of Material Product Qualification of Material Product Source Approval Source Approval Source OX Supply Processing 1 per 1 Prior to Source Request Source OX Supply Processing Project Construction Pavement Marking Material Verification at Project Site Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification (TC 1.03 w/ test data), and submit certifications to MMD for clearance. Post Placement Project Wide Testing Field Testing at Project Site by the Pavement Marking 1 per 1 Delivery to Project Item Completion	Inspection of Production Facility	1	per	12	Months
Process Product OC Producer to submit material certification conforming to TC 1.03 w/ test data to OMT's Pavement Marking team for review, stamping, and return. Source Approval Source Submission Source of Supply Processing Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect OMT stamped manufacturer's certification of Product Qualification Inspection of Product Qualification Qualification of Production Pavement Marking Product Review Qualification of Material Product Qualification of Material Product Qualification of Material Product Qualification of Material Product Source Of Supply Processing Project Engineer to collect of MT stamped manufacturer's and per second per sec	Pavement Marking Product Review				Product Qualification
Producer to submit material certification conforming to TC 1.03 w/ test data to OMT's Pavement Marking team for review, stamping, and return. Source Approval		1	per	1	Prior to Usage on Project
TC 1.03 w/ test data to OMT's Pavement Marking team for review, stamping, and return. Source Approval Source Submission Source of Supply Processing 1 per 1 Prior to Usage on Project Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect OMT stamped manufacturer's certification (TC 1.03 w/ test data) and submit them to MMD for clearance. Verment Marking Preformed Thermoplastic Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility Qualification of Material Product Qualification of Material Product Qualification of Material Product 1 per 1 Prior to Source Request Source Approval Source Submission Source of Supply Processing 1 per 1 Prior to Usage on Project Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance. Post Placement Project Wide Testing Project Wide Testing at Project Site by the Pavement Marking 1 per 1 Item Completion	Pavement Marking Product Acceptance				Product QC/C
Source Submission Source of Supply Processing 1 per 1 Prior to Usage on Project Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect OMT stamped manufacturer's certification (TC 1.03 w/ test data) and submit them to MMD for clearance. Verment Marking Preformed Thermoplastic Pavement Marking Product Qualification Pavement Marking Facility Review Inspection of Production Facility Pavement Marking Product Review Qualification of Material Product Qualification of Material Product Source Approval Source Of Supply Processing Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification to MMD for clearance. Post Placement Project Wide Testing Project Wide Testing Project Site by the Pavement Marking 1 per 1 Prior to Usage on Project Material Verification to Delivery to Project Project Wide Testing Project Wide Testing Project Wide Testing Project Site by the Pavement Marking 1 per 1 Item Completion	TC 1.03 w/ test data to OMT's Pavement Marking team	1	per	1	Batch, Lot or Heat
Source of Supply Processing 1 per 1 Prior to Usage on Project Project Construction Pavement Marking Material Verification at Project Site	ource Approval				
Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect OMT stamped manufacturer's certification (TC 1.03 w/ test data) and submit them to MMD for clearance. Verment Marking Preformed Thermoplastic Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility Inspection of Product Review Product Qualification Qualification of Material Product Qualification of Material Product Source Approval Source Submission Source of Supply Processing Inperiod Project Site Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification Inperiod Delivery to Project Inperiod Delivery to Project Inperiod Delivery to Project It per Inperiod Delivery to Project Deliv	Source Submission				Source of Supply Submit
Pavement Marking Material Verification at Project Site Project Engineer to collect OMT stamped manufacturer's certification (TC 1.03 w/ test data) and submit them to MMD for clearance. Verment Marking Preformed Thermoplastic Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility 1 per 24 Months Pavement Marking Product Review Product Qualification Qualification of Material Product 1 per 1 Prior to Source Request Source Approval Source Submission Source of Supply Processing 1 per 1 Prior to Usage on Project Project Construction Pavement Marking Material Verification at Project Site Material Verification (TC 1.03 w/o test data), and submit certifications to MMD for clearance. Project Placement Project Wide Testing Project Site by the Pavement Marking 1 per 1 Item Completion		1	per	1	Prior to Usage on Project
Project Engineer to collect OMT stamped manufacturer's certification (TC 1.03 w/ test data) and submit them to MMD for clearance. Verment Marking Preformed Thermoplastic Plant or Product Qualification Pavement Marking Facility Review Facility Qualification Inspection of Production Facility 1 per 24 Months Pavement Marking Product Review Product Qualification of Material Product 1 per 1 Prior to Source Request Source Approval Source Submission Source of Supply Processing 1 per 1 Prior to Usage on Project Project Construction Pavement Marking Material Verification at Project Site Material Verification (TC 1.03 w/o test data), and submit certifications to MMD for clearance. Post Placement Project Wide Testing Project Site by the Pavement Marking 1 per 1 Item Completion					Material Verificat
certification (TC 1.03 w/ test data) and submit them to MMD for clearance. Verment Marking Preformed Thermoplastic Plant or Product Qualification Pavement Marking Facility Review Facility Qualification Inspection of Production Facility Inspection of Production Facility Inspection of Product Review Product Qualification of Material Product Inspection of Material Product Inspection of Material Product Inspection of Material Product Inspection Inspect Inspection Inspection Inspect In		1	nor	1	•
Pavement Marking Facility Review Inspection of Production Facility Inspection of Production Facility Inspection of Product Review Pavement Marking Product Review Qualification of Material Product Inspection of Material Project Submits of Source of Supply Submits of Sup	certification (TC 1.03 w/ test data) and submit them to				, ,
Pavement Marking Facility Review Inspection of Production Facility Pavement Marking Product Review Product Qualification of Material Product Qualification of Material Product Qualification of Material Product Source Approval Source Submission Source of Supply Processing 1 per 1 Prior to Usage on Project Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance. Post Placement Project Wide Testing Field Testing at Project Site by the Pavement Marking 1 per 1 Item Completion					
Inspection of Production Facility Pavement Marking Product Review Qualification of Material Product Source Approval Source Submission Source of Supply Processing 1 per 1 Prior to Source of Supply Subm Source of Supply Processing 1 per 1 Prior to Usage on Project Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance. Post Placement Project Wide Testing Field Testing at Project Site by the Pavement Marking 1 per 1 Item Completion	vement Marking Preformed Thermoplastic				
Qualification of Material Product Qualification of Material Product Source Approval Source Submission Source of Supply Processing Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance. Post Placement Project Wide Testing Field Testing at Project Site by the Pavement Marking Prior to Source Request Prior to Source Request Prior to Source of Supply Submit Source of Sup	vement Marking Preformed Thermoplastic				Facility Qualificati
Qualification of Material Product Source Approval Source Submission Source of Supply Processing 1 per 1 Prior to Source Request Source of Supply Processing 1 per 1 Prior to Usage on Project Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance. Post Placement Project Wide Testing Field Testing at Project Site by the Pavement Marking 1 per 1 Item Completion	Plant or Product Qualification Pavement Marking Facility Review	1	per		Facility Qualificati Months
Source Submission Source of Supply Processing 1 per 1 Prior to Usage on Project Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance. Post Placement Project Wide Testing Field Testing at Project Site by the Pavement Marking Source of Supply Subm Prior to Usage on Project Material Verification 1 per 1 Delivery to Project Project Wide Testing Project Wide Testing I per 1 Item Completion	Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility	1	per	24	Months
Source Submission Source of Supply Processing 1 per 1 Prior to Usage on Project Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance. Post Placement Project Wide Testing Project Wide Testing at Project Site by the Pavement Marking 1 per 1 Delivery to Project Project Wide Testing Project Wide Testing	Vement Marking Preformed Thermoplastic Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility Pavement Marking Product Review	·			Months Product Qualificati
Source of Supply Processing Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance. Post Placement Project Wide Testing Project Site by the Pavement Marking Project Site by the Pavement Marking Prior to Usage on Project Material Verification 1 per 1 Delivery to Project Project Wide Testing Project Wide Testing Project Wide Testing I tem Completion	Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility Pavement Marking Product Review Qualification of Material Product	·			Months Product Qualificat
Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance. Post Placement Project Wide Testing Project Wide Testing at Project Site by the Pavement Marking 1 per 1 Item Completion	Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility Pavement Marking Product Review Qualification of Material Product	·			Months Product Qualificat Prior to Source Request
Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance. Post Placement Project Wide Testing Project Wide Testing at Project Site by the Pavement Marking 1 per 1 Delivery to Project Project Wide Testing Project Wide Testing Item Completion	Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility Pavement Marking Product Review Qualification of Material Product Source Approval Source Submission	1	per	1	Months Product Qualification Prior to Source Request Source of Supply Submit
Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance. Post Placement Project Wide Testing Project Wide Testing 1 per 1 Delivery to Project Project Wide Testing 1 per 1 Delivery to Project Project Wide Testing 1 per 1 Delivery to Project Project Wide Testing 1 per 1 Delivery to Project	Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility Pavement Marking Product Review Qualification of Material Product Source Approval Source Submission	1	per	1	Months Product Qualificat Prior to Source Request Source of Supply Submit
(TC 1.03 w/o test data), and submit certifications to MMD for clearance. Post Placement Project Wide Testing Project Wide Testing 1 per 1 Item Completion	Pavement Marking Preformed Thermoplastic Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility Pavement Marking Product Review Qualification of Material Product Source Approval Source Submission Source of Supply Processing	1	per	1	Months Product Qualificat Prior to Source Request Source of Supply Submit
Field Testing at Project Site by the Pavement Marking 1 per 1 Item Completion	Pavement Marking Preformed Thermoplastic Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility Pavement Marking Product Review Qualification of Material Product Fource Approval Source Submission Source of Supply Processing	1	per	1	Months Product Qualificat Prior to Source Request Source of Supply Submit Prior to Usage on Project
	Pavement Marking Preformed Thermoplastic Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility Pavement Marking Product Review Qualification of Material Product Source Approval Source Submission Source of Supply Processing Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to	1	per	1	Product Qualificate Prior to Source Request Source of Supply Submit Prior to Usage on Project Material Verificate
	Plant or Product Qualification Pavement Marking Facility Review Inspection of Production Facility Pavement Marking Product Review Qualification of Material Product Source Approval Source Submission Source of Supply Processing Project Construction Pavement Marking Material Verification at Project Site Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance.	1	per	1	Product Qualificat Prior to Source Request Source of Supply Submit Prior to Usage on Project Material Verificat

•				
Plant or Product Qualification				<u> </u>
Pavement Marking Facility Review				Facility Qualification
Inspection of Production Facility	1	per	24	Months
Pavement Marking Product Review				Product Qualification
Qualification of Material Product	1	per	1	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submitte
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
Pavement Marking Material Verification at Project Site				Material Verificatio
Project Engineer to collect manufacturer's Certification (TC 1.03 w/o test data), and submit certifications to MMD for clearance.	1	per	1	Delivery to Project
Post Placement Project Wide Testing				Project Wide Testin
Field Testing at Project Site by the Pavement Marking Team as per MSMT 729.	1	per	1	Item Completion
vement Repair Materials				
Plant or Product Qualification				
Review of Producer (QPL)				Facility Qualificatio
Production facility data maintained to provide basis for qualified products.	1	per	1	Prior to Source Request
Review of Product (QPL)				Product Qualificatio
Qualification of Material Product for use on State Projects.	1	per	1	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submitt
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
ATD Material Verification				Material Verificatio
Project Engineer to collect certifications (TC 1.03 w/o test data) and submit certs to OMT for clearance.	1	per	1	Delivery to Project
erformance Graded Asphalt Binder				
Plant or Product Qualification				
Evaluation of Production Facility for ATD Materials				Facility Qualificatio
Qualification of Binder Supplier for use on State projects	1	per	1	Prior to Usage on Project
Evaluation of Material Product for ATD Materials				Product Qualificatio
Qualification of Material Product.	1	per	1	Batch, Lot or Heat

Plant Materials

Plant or Product Qualification			
Review of Misc Production Location			Limited Producer Check
Production facility data maintained to track the material supply chain.	1 per	1	Prior to Source Request
Source Approval			
Source Submission			Source of Supply Submittal
Source of Supply Processing	1 per	1	Prior to Usage on Project
Material Production			
LPD Material Review			Material Certification for Project Usage
LPD to inspect plant materials before installation. LPD to inspect plant materials after installation. LPD to submit Form 14 for materials clearance.	1 per	1	Prior to Usage on Project
Portland Cement Concrete Mixtures			
Plant or Product Qualification			
Evaluation of Production Facility for CTD Materials			Facility Qualification
Production facility to be certified to produce material for	1 per	1	Prior to Source Request
State projects.	1 per	12	Months
SHA Acceptance Facility Visit for CTD Material Production			Facility Qualification
OMT Personnel to perform Quality Assurance on concrete production processes.	1 per	10	Production Day
75 Lbs in a Soils Bag Evaluation of Material Product for CTD Materials			Product Qualification
	1 per	1	
Review and Qualification of Portland Cement Concrete Mixture Material Product.	1 per	1	Prior to Source Request
Material Product QC			Product Qualification
Producer to perform daily gradations and moisture tests on aggregate materials.	2 per	1	Production Day
10 LBS - Fine Agg, 35 LBS Lt. wt., 50 LBS Coarse. in a Soils Bag			
Source Approval			
Source Submission			Source of Supply Submittal
Source of Supply Processing	1 per	1	Prior to Usage on Project
Material Production			
Notification of Production for CTD materials			Production Notification
Producer to notify OMT one working day prior to production at concrete@sha.state.md.us	1 per	1	Production Day
Project Construction			
CTD Material Verification			Material Verification
Project Engineer to conduct field tests. (Air Entrainment, Slump, etc.).	1 per	1	Delivery to Project

1 per 1

Project Engineer to collect certifications (TC 1.03 w/ test

data) and submit to OMT for clearance.

Delivery to Project

Concrete Sampling and Testing				Material Sampling and Testing
Concrete Sampling and Testing				
Project Engineer to mold acceptance cylinders, Prime	1	•	50 1	Cubic Yard
Contractor to cure and transport cylinders to OMT for testing.	1	per	1	Production Day
2 Cylinders = 1 Sample				
Mix 7 -Project Engineer to mold acceptance cylinders, Prime Contractor to cure and transport cylinders to OMT for testing.	3	per	1	Placement Day
2 Cylinders = 1 Sample				
Pay Factor Calculation				Sample Analysi
OMT to perform statistical analysis on all acceptance concrete cylinder tests for project.	1	per	1	Item Completion
Portland Cement Concrete Mixtures, Latex Modif	ied			
Plant or Product Qualification				
Review of Misc Production Location				Limited Producer Chec
Production facility data maintained to track the material supply chain.	1	per	1	Prior to Source Request
Evaluation of Production Facility for CTD Materials				Facility Qualification
Detailed Qualification of Production Facility.	1	per	1	Prior to Usage on Project
Source Approval				
Source Submission				Source of Supply Submitto
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
CTD Material Verification				Material Verification
	1	nor	1	Delivery to Project
Project Engineer to perform concrete plastic tests.	1	per	1	Delivery to Project
Typically one slump and one air entrainment. Chemical Tests				Material Sampling and Testing
Submit a sample or certification (TC 1.03 w/ test data) of	1	per	1	Lot / Production Day
each component to OMT for verification.	_	pei	•	Lot, Froduction Bay
2 Quarts - Latex, 1 Quart Each Admixture in a Plastic Jug				
Concrete Sampling and Testing				Material Sampling and Testing
Submit sample to OMT for testing.	2	per	1	Truck
Pay Factor Calculation				Sample Analysi
OMT to perform statistical analysis on all acceptance concrete cylinder tests for project.	1	per	1	Item Completion
Precast Concrete, Drainage Structures				
Plant or Product Qualification				
Evaluation of Production Facility for CTD Materials				Facility Qualification
Facility to be qualified (and re-qualified annually) for state projects before it is sourced to a project.	1	per	12	Months
Quality Control for Aggregate Material Gradation				Facility QA/Q

Producer to perform gradation quality control as per

CTD Material Verification				N	laterial Verification
Project Construction					
Submit copies of any shop drawings, specifications, or plan sheets to the designer as per the Invitation for Bids document.	1	per	1	Prior to Usage on Pro	pject
CTD Material Review and Acceptance				Material Certificatio	n for Project Usage
Producer to notify the Concrete Technology Division prior to production at concrete@sha.state.md.us. Please provide the design standard with the notification.	1	per	1	Prior to Usage on Pro	pject
Notification of Production for CTD materials				Proc	duction Notification
Material Production					
Source of Supply Processing	1	per	1	Prior to Usage on Pro	oject
Source Submission				Source	of Supply Submitta
Source Approval					
10 lbs in a Plastic Jug					
Producer to sample all cementitious materials and provide to Concrete Technology for evaluation, as per 902.03.	1	per	3	Months	
SHA Acceptance Review for Cementitious Materials.					Facility QA/QC
1 Quart in a Screw Top Can					
Producer to sample all admixture materials and provide to Concrete Technology for evaluation.	1	per	30	Production Day	
SHA Acceptance Review for Admixture Materials					Facility QA/Q0
Concrete Technology representative will witness the sampling, fill out Form 88, and deliver sample to the OMT laboratory. 3 - 2 foot lengths	-	F-4-			
SHA Acceptance Review for Steel Reinforcing Deformed Steel bars to be sampled by producer. A	1	per	90	Production Day	rucinty QAYQC
CIIA Assentance Poview for Steel Painforsing					Facility QA/Q0
Concrete Technology representative to witness moisture quality control	1	per	30	Production Day	
SHA Acceptance Review of Aggregate Moisture Content					Facility QA/Q0
17 lbs for coarse; 500 grams for fine					
Producer to perform moisture quality control as per MSMT 251.	1	per	1	Production Day	
Quality Control for Aggregate Moisture Content					Facility QA/Q
Concrete Technology representative to witness gradation quality control process of producer.	1	per	30	Production Day	
SHA Acceptance Review for Aggregate Material Gradation.					Facility QA/Q
AASHTO T27. 17 lbs for coarse; 500 grams for fine					
AACUTO TOT	_	P G.	•		

1 per 7

Production Day

Project Engineer to visually inspect precast elements, record all QC stamps on a Form 14, and verify stamp matches the certification. Collect manufacture's certification and submit it along with the Form 14 to MMD for clearance.

1 per 1 Delivery to Project

Precast Concrete, Miscellaneous

Evaluation of Production Facility for CTD Materials				Facility Qualificatio
Facility to be qualified (and re-qualified annually) for state projects before it is sourced to a project.	1	per	3	Year
Quality Control for Aggregate Material Gradation				Facility QA/Q
Producer to perform gradation quality control as per AASHTO T27	1	per	7	Production Day
17 lbs for coarse; 500 grams for fine				
SHA Acceptance Review for Aggregate Material Gradation.				Facility QA/Q
Concrete Technology representative to witness gradation quality control process of producer.	1	per	2	Year
Quality Control for Aggregate Moisture Content				Facility QA/Q
Producer to perform moisture quality control as per MSMT 251.	1	per	1	Production Day
17 lbs for coarse; 500 grams for fine				
SHA Acceptance Review of Aggregate Moisture Content				Facility QA/C
Concrete Technology representative to witness moisture quality control	1	per	2	Year
ource Approval				
				Source of Supply Submitt
Source Submission Source of Supply Processing	1	per	1	Source of Supply Submitt Prior to Usage on Project
Source Submission Source of Supply Processing	1	per	1	
Source Submission Source of Supply Processing Material Production	1	per	1	Prior to Usage on Project
Source Submission	1		1	Source of Supply Submitted Prior to Usage on Project Production Notification Prior to Usage on Project
Source Submission Source of Supply Processing Material Production Notification of Production for CTD materials Producer to notify the Concrete Technology Division between 48 hours prior to shipment and end of shipping				Prior to Usage on Project Production Notification
Source Submission Source of Supply Processing Material Production Notification of Production for CTD materials Producer to notify the Concrete Technology Division between 48 hours prior to shipment and end of shipping day at concrete@sha.state.md.us.				Prior to Usage on Project Production Notification

Plant or Product Qualification

Fundamentian of Dundametian Facility	. for CTD Metaviole
Evaluation of Production Facility	/ IOI CID Waterials

Facility Qualification

Facility to be availabled land to available described to	1	200	1	Drier to Course Beaucat
Facility to be qualified (and re-qualified annually) for state projects before it is sourced to a project.	1	per per	1 12	Prior to Source Request Months
	_	μ		
SHA Acceptance Facility Visit for CTD Material Production				Facility Qualificati
Quality Assurance of Pipe Production	1	per	1000	Each
	1	per	30	Production Day
Quality Control for Aggregate Material Gradation				Facility QA/0
Producer to perform gradation quality control as per AASHTO T27	1	per	7	Production Day
17 lbs for coarse; 500 grams for fine				
SHA Acceptance Review for Aggregate Material Gradation.				Facility QA/0
Concrete Technology representative to witness gradation quality control process of producer.	1	per	30	Production Day
Quality Control for Aggregate Moisture Content				Facility QA/0
Producer to perform moisture quality control as per MSMT 251.	1	per	1	Production Day
17 lbs for coarse; 500 grams for fine				
SHA Acceptance Review of Aggregate Moisture Content				Facility QA/0
Concrete Technology representative to witness moisture quality control	1	per	30	Production Day
SHA Acceptance Review for Admixture Materials				Facility QA/0
Producer to sample all admixture materials and provide to Concrete Technology for evaluation.	1	per	30	Production Day
1 Quart in a Screw Top Can				
SHA Acceptance Review for Cementitious Materials.				Facility QA/0
Producer to sample all cementitious materials and provide to Concrete Technology for evaluation, as per 902.03.	_	per per	1 10	Months Production Day
10 lbs in a Plastic Jug				
Source Approval				
Source Submission				Source of Supply Submit
Source of Supply Processing	1	per	1	Prior to Usage on Project
Material Production				
Notification of Production for CTD materials				Production Notificati
Producer to notify the Concrete Technology Division between 48 hours prior to shipment and end of shipping day at concrete@sha.state.md.us.	1	per	1	Prior to Usage on Project
CTD Material Review and Acceptance				Material Certification for Project Usa
Plant QC Personnel to perform lot inspection	1	per	1	Prior to Usage on Project
Project Construction				
CTD Material Verification				Material Verificati

Project Engineer to visually inspect pipe, record all QC Stamps from pipe on a Form 14, and verify a pipe stamp matches the certification. Collect manufacture's Certification and submit it along with the Form 14 to MMD for Clearance.

1 per 1 Delivery to Project

Precast Concrete, Prestressed and Structural

Evaluation of Production Facility for CTD Materials					Facility Qualification
Facility to be qualified (and re-qualified annually) for state projects before it is sourced to a project.	1	per	12	Months	
Quality Control for Aggregate Material Gradation					Facility QA/Q
Producer to perform gradation quality control as per AASHTO T27.	1	per	7	Production Day	
17 lbs for coarse; 500 grams for fine					
SHA Acceptance Review for Aggregate Material Gradation.					Facility QA/Q
Concrete Technology representative to witness gradation quality control process of producer.	1	per	30	Production Day	
Quality Control for Aggregate Moisture Content					Facility QA/Q
Producer to perform moisture quality control as per MSMT 251.	1	per	1	Production Day	
17 lbs for coarse; 500 grams for fine					
SHA Acceptance Review of Aggregate Moisture Content					Facility QA/Q
Concrete Technology representative to witness moisture quality control	1	per	30	Production Day	
SHA Acceptance Review for Steel Reinforcing					Facility QA/Q
Deformed Steel bars to be sampled by producer. A Concrete Technology representative will witness the sampling, fill out Form 88 and deliver sample to the OMT laboratory.	1	per	90	Production Day	
3 - 2 foot lengths					
SHA Acceptance Review for Admixture Materials					Facility QA/Q
Producer to sample all admixture materials and provide to Concrete Technology for evaluation.	1	per	30	Production Day	
1 Quart in a Screw Top Can SHA Acceptance Review for Cementitious Materials.					Facility QA/Q
Producer to sample all cementitious materials and	1	per	1	Months	7 00
provide to Concrete Technology for evaluation.	1		10	Production Day	
Source Approval					
Source Submission				Soul	rce of Supply Submitto
Source of Supply Processing	1	per	1	Prior to Usage on	Project
Material Production					
Notification of Production for CTD materials					Production Notification

Producer to submit Shop Drawings and provide Production Notice to the Concrete Technology Division (concrete@sha.state.md.us) 30 business days before commencing production of any prestressed or other structural concrete items. 1 per 1 Prior to Usage on Project

Material Certification for Project Usage

CTD Material Review and Acceptance

1 per 1 Prior to Usage on Project

Direct Inspection at Facility during Casting, Approval of Material for Project Use.

Project Construction

CTD Material Verification				Material Verification
Project Engineer to visually inspect precast elements, record all stamps on a Form 14, and verify stamps match	1	per	1	Delivery to Project
the certification. Collect manufacture's certification and				
submit it along with the Form 14 to MMD for clearance.				

Precast Concrete, Walls

Plant or Product Qualification

Evaluation of Production Facility for CTD Materials				Fa	cility Qualificatio
Facility to be qualified (and re-qualified annually) for	1	per	1	Prior to Usage on Proj	ect
state projects before it is sourced to a project.	1	per	12	Months	
Quality Control for Aggregate Material Gradation					Facility QA/Q
Producer to perform gradation quality control as per AASHTO T27	1	per	7	Production Day	
17 lbs for coarse; 500 grams for fine					
SHA Acceptance Review for Aggregate Material Gradation.					Facility QA/Q
Concrete Technology representative to witness gradation quality control process of producer.	1	per	30	Production Day	
Quality Control for Aggregate Moisture Content					Facility QA/Q
Producer to perform moisture quality control as per MSMT 251.	1	per	1	Production Day	
17 lbs for coarse; 500 grams for fine					
SHA Acceptance Review of Aggregate Moisture Content					Facility QA/Q
Concrete Technology representative to witness moisture quality control	1	per	30	Production Day	
SHA Acceptance Review for Admixture Materials					Facility QA/Q
Producer to sample all admixture materials and provide to Concrete Technology for evaluation.	1	per	30	Production Day	
1 Quart in a Screw Top Can					
SHA Acceptance Review for Cementitious Materials.					Facility QA/Q
Producer to sample all cementitious materials and	1	per	1	Months	
provide to Concrete Technology for evaluation.	1	per	10	Production Day	
10 lbs in a Plastic Jug					

Source Approval

Source Submission Source of Supply Submittal

Source of Supply Processing	1 p	er 1	Prior to Usage on Project
Material Production			
Notification of Production for CTD materials			Production Notification
Producer to submit Shop Drawings and provide Production Notice to the Concrete Technology Division (concrete@sha.state.md.us) 30 business days before commencing production of any precast MSE or Noise Barrier components.	1 p	er 1	Prior to Usage on Project
CTD Material Review and Acceptance			Material Certification for Project Usage
Direct Inspection at Facility during Casting, Approval of Material for Project Use.	1 p	er 1	Prior to Usage on Project
Test Panel Verification			Material Certification for Project Usage
Test panel to be evaluated by OMT, LOD and OOS.	1 p	er 1	Prior to Usage on Project
Project Construction			
CTD Material Verification			Material Verification
Project Engineer to visually inspect precast elements, record all stamps on a Form 14, and verify stamps match the certification. Collect manufacture's certification and submit it along with the Form 14 to MMD for clearance. Recycled Materials for HMA Mixtures	1 p	er 1	Delivery to Project
Plant or Product Qualification			
Evaluation of Production Facility for ATD Materials			Facility Qualification
Joint Qualification with Asphalt Mix production facility.	1 p	er 1	Prior to Source Request
Evaluation of Material Product for ATD Materials			Product Qualification
Qualification of Material Product.	1 p	er 1	Prior to Source Request
Source Approval			
Source Submission			Source of Supply Submittal
Source of Supply Processing	1 p	er 1	Prior to Usage on Project
Project Construction			
ATD Material Verification			Material Verification
Project Engineer to visually inspect placed material and	1 1		Item Completion
submit Form 14 to OMT for clearance.	1 p	er 1	rem completion
	1 р	er 1	item completion
submit Form 14 to OMT for clearance.	1 μ	er 1	item completion
submit Form 14 to OMT for clearance. Reflective Sheeting		er 1	Facility Qualification
submit Form 14 to OMT for clearance. Reflective Sheeting Plant or Product Qualification	1 p		·
submit Form 14 to OMT for clearance. Reflective Sheeting Plant or Product Qualification Review Producer (OOTS)			Facility Qualification
Reflective Sheeting Plant or Product Qualification Review Producer (OOTS) Qualification of Production Facility		er 1	Facility Qualification Prior to Source Request
Reflective Sheeting Plant or Product Qualification Review Producer (OOTS) Qualification of Production Facility SM Production QA	1 p	er 1	Facility Qualification Prior to Source Request Facility Qualification Prior to Usage on Project

		_	
Qualification of Material Product	1 per	1	Prior to Source Request
Source Approval			
Source Submission			Source of Supply Submittal
Source of Supply Processing	1 per	1	Prior to Usage on Project
Project Construction			
OOTS Material Verification			Material Verification
See source response for "Aluminum Signs" for this item for acceptance	1 per	1	Delivery to Project
Sealers: Qualified Liquid Materials			
Plant or Product Qualification			
Review of Producer (QPL)			Facility Qualification
Production facility data maintained to provide a basis for qualified products.	1 per	1	Prior to Source Request
Review of Product (QPL)			Product Qualification
Qualification of Material Product for use on State Projects.	1 per	1	Prior to Source Request
Source Approval			
Source Submission			Source of Supply Submittal
Source of Supply Processing	1 per	1	Prior to Usage on Project
Project Construction			
LPD Material Verification			Material Verification
Project Engineer to collect certifications (TC1.03 w/ test data) and submit certifications to OMT for clearance.	1 per	1	Delivery to Project
Seed for Mixes			
Plant or Product Qualification			
Review of Misc Production Location			Limited Producer Check
Production facility data maintained to track the material supply chain.	1 per	1	Prior to Source Request
Source Approval			
Source Submission			Source of Supply Submittal
Source of Supply Processing	1 per	1	Prior to Usage on Project
Project Construction			
LPD Material Verification			Material Verification
Project Engineer to inspect labels, seed material, seed mixtures, and seed application methods. Project Engineer to submit copies of labels with Form 14 for material clearance.	1 per	1	Item Completion
SM Group 1 - General Approval			

Review of Misc Production Location			Limited Producer Check
Production facility data maintained to track the material supply chain.	1 pe	r 1	Prior to Source Request
Source Approval			
Source Submission			Source of Supply Submitte
Source of Supply Processing	1 pe	r 1	Prior to Usage on Project
Project Construction			
Material Verification at Project Site, Structural Materials			Material Verificatio
Project Engineer to submit Form 14 to the Materials Management Division confirming the material and its placement are acceptable and conform to specifications.	1 pe	r 1	Delivery to Project
SM Group 2 - General Approval with Certification			
Plant or Product Qualification			
Review of Misc Production Location			Limited Producer Chec
Production facility data maintained to track the material supply chain.	1 pe	r 1	Prior to Source Request
Source Approval			
Source Submission			Source of Supply Submitte
Source of Supply Processing	1 pe	r 1	Prior to Usage on Project
Project Construction			
Material Verification at Project Site, Structural Materials			Material Verificatio
Project Engineer to collect manufacturer's certification (TC 1.03 w/o test data) indicating the specification to which the material conforms. Submit certification with Form 14 Stamp to the Materials Management Division for clearance.	1 pe	r 1	Delivery to Project
Project Engineer to collect manufacturer's certification (TC 1.03 with test data) indicating the specification to which the material conforms. Submit certification with Form 14 Stamp to the Materials Management Division for clearance.	1 pe	r 1	Delivery to Project
SM Group 3 - Evaluation Before Shipment			
Plant or Product Qualification			
Review of Misc Production Location			Limited Producer Chec
Production facility data maintained to track the material supply chain.	1 pe	r 1	Prior to Source Request
Source Approval			
Source Submission			Source of Supply Submitte
			Delegate Heren Delegate

1 per 1

Source of Supply Processing

Prior to Usage on Project

Material Production

;			Material Certification for Project Usage
1	per	1	Prior to Usage on Project
1	per	1	Prior to Usage on Project
1	per	1	Prior to Usage on Project
1	per	50000	Each
1	per	6000	Each
	1 1 1	1 per	1 per 1 1 per 1 1 per 1

Project Construction

Material Verification at Project Site, Structural Materials		Material Verification
Project Engineer to collect OMT stamped documentation indicating review and approval of material. Submit document to the Materials Management Division for materials clearance.	1 per 1	Delivery to Project

SM Group 4 - Detectable Warning Surfaces

		D		
Ы	lant or	Prod	luct Qual	ification

Review of Producer (SM)			Facility Qualification
Production facility data maintained to track the material supply chain and provide a basis for qualified products.	1 per	1	Prior to Source Request
Review of Product (SM):			Product Qualification
Qualification of Material Product for use on State Projects.	1 per	1	Prior to Source Request

Source Approval

Source Submission		Source of Supply Submittal
Source of Supply Processing	1 per 1	Prior to Usage on Project

Material Verification at Project Site, Structural Materials				Material Verification
Project Engineer to collect certifications (TC 1.03 w/o test data) and submit certs to OMT for clearance.	1	per	1	Delivery to Project
I Group 5 - Producer and Batch Data Tracked				
Plant or Product Qualification				
Review of Misc Production Location				Limited Producer Che
Production facility data maintained to track the material supply chain.	1	per	1	Prior to Source Request
Review of Product (SM):				Product Qualificati
Maintain data on each heat or batch of product used on State projects.	1	per	1	Batch, Lot or Heat
Source Approval				
Source Submission				Source of Supply Submit
Source of Supply Processing	1	per	1	Prior to Usage on Project
Material Production				
OMT approval of material for shipment, Structural Materials				Material Certification for Project Usa
Batch/Heat of Material must be approved by OMT. The producer to submit Material Certification (TC 1.03 w/ test data) and Sample to Structural Materials for evaluation. Contact metals@mdot.maryland.gov for further information.	1	per	1	Batch, Lot or Heat
Project Construction				
Material Verification at Project Site, Structural Materials				Material Verificati
Project Engineer to collect OMT stamped Material Certification (TC 1.03 w/ test data) and submit to the Materials Management Division for materials clearance.	1	per	1	Delivery to Project
1 Group 6 - Qualified Facilities, Limited Review				

Plan'	t or	Prod	luct C	luali	tica	tion

Review of Producer (SM)				Facility Qualification
Facility to be qualified for state projects (and re-qualified	1	per	1	Prior to Source Request
annually) and issued an OMT certification stamp before it is sourced to a project.	1	per	12	Months
ource Approval				

Source Submission		Source of Supply Submittal
Source of Supply Processing	1 per 1	Prior to Usage on Project
Material Production		
Quality Assurance of Structural Material prod	uction facilities.	Material Certification for Project Usage

Facility re-qualification required, Structural Materials or an Authorized Representative to conduct facility evaluation and reissue facility certification. Please contact metals@mdot.maryland.gov to schedule an evaluation. 1 per 12

Months

Project Construction

Material Verification at Project Site, Structural Materials				Material Verification
Project Engineer to collect the stamped supplier's Certification of Compliance listing the materials shipped and submit to the Materials Management Division for materials clearance.	1	per	1	Delivery to Project

SM Group 7 - Qualified Facilities, Cert Review

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eview of Producer (SM)					Facility Qualification
Facility to be qualified for state projects before it is sourced.	1 p	per	12	Months	

Source Approval

Source Submission		Source of Supply Submittal
Source of Supply Processing	1 per 1	Prior to Usage on Project

Material Production

Quality Assurance of Structural Material production facilities	Material Certification for Project Usage	
Facility re-qualification required. Structural Materials or an Authorized Representative to conduct facility evaluation prior to material approval. Contact metals@mdot.maryland.gov to determine inspection schedule.	1 per 12	Months
OMT approval of material for shipment, Structural Materia	ls	Material Certification for Project Usage
Submit Material Certification (TC 1.03 w/batch test data). All Material Test Result (MTR's) for steel and iron products must include a statement that material was	1 per 1	Prior to Usage on Project

All Material Test Result (MTR's) for steel and iron products must include a statement that material was produced (Melted and Manufactured in the United States) and sent to metals@mdot.maryland.gov for review and approval. If acceptable, the documents will be stamped and returned to the vendor to accompany the delivery.

Submit Material Certification (TC 1.03 w/ test data) and a sample to Structural Materials, contact metals@mdot.maryland.gov. If acceptable the document will be stamped by OMT and returned to the source of supply to accompany the delivery.

1 per 1 Prior to Usage on Project

Project Construction

Material Verification at Project Site, Structural Materials			Material Verification
Project Engineer to collect OMT stamped documentation indicating review and approval of material. Submit document to the Materials Management Division for materials clearance.	1 per	1	Delivery to Project

SM Group 8 - Qualified Facilities, Production Insp

Plant or Product Qualification				
Review of Producer (SM)				Facility Qualification
Facility to be qualified for state projects before it is sourced.	1	per	1	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submitte
Source of Supply Processing	1	per	1	Prior to Usage on Project
Material Production				
Quality Assurance of Structural Material production facilities	es.			Material Certification for Project Usag
Facility re-qualification required. Structural Materials to conduct facility evaluation and reissue facility certification.	1	per	12	Months
OMT approval of material for shipment, Structural Material	s			Material Certification for Project Usag
The Metals team or an Authorized Representative will inspect the fabrication, all relevant certifications, and may take material samples at the production facility. Please contact metals@mdot.maryland.gov to determine inspection schedule.	1	per	1	Prior to Usage on Project
Project Construction				
Material Verification at Project Site, Structural Materials				Material Verification
Project Engineer to collect OMT stamped documentation indicating review and approval of material. Submit document to the Materials Management Division for materials clearance.	1	per	1	Delivery to Project
M Group 9 - Qualified Facilities, Not Sourced				
Plant or Product Qualification				
Review of Producer (SM)				Facility Qualification
Facility to be qualified for state projects (and re-qualified annually).	1	per	12	Months
od & Seed Mixes with MDA Labels				
Plant or Product Qualification				
Review of Misc Production Location				Limited Producer Chec
Production facility data maintained to track the material supply chain.	1	per	1	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submitte
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
LPD Material Verification				Material Verificatio

Project Engineer to inspect and verify labels or tickets. Project Engineer to submit copy of label or ticket with Form 14 for material clearance.

1 per 1

Delivery to Project

Soil Amendments

Review of Misc Production Location				Limited Producer Check
Production facility data maintained to track the material supply chain.	1	per	1	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submittal
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
LPD Material Verification				Material Verification
Project Engineer to inspect labels and verify composition of material product. Project Engineer to determine that material is fit for use and applied as specified. Project Engineer to submit copy of product label with Form 14 for material clearance.	1	per	1	Item Completion

Soil Materials, Fill Soil

Source Approval				
Source Submission				Source of Supply Submittal
Source of Supply Processing	1	per	1	Prior to Usage on Project
Material Production				
SATD Material Review				Material Certification for Project Usage
Material to be sampled as Common Borrow at its place of origin. Project Engineer to contact SATD to schedule a sampling.	2	per	1	Prior to Usage on Project
35 LBS in a Soils Bag				
Material to be sampled as Capping Borrow at its place of origin. Project Engineer to contact SATD to schedule a sampling.	2	per	1	Prior to Usage on Project
35 LBS in a Soils Bag				
Material to be sampled as Modified Borrow at its place of origin. Project Engineer to contact SATD to schedule a sampling.	2	per	1	Prior to Usage on Project
35 LBS in a Soils Bag				
Material to be sampled as Select Borrow at its place of origin. Project Engineer to contact SATD to schedule a sampling.	2	per	1	Prior to Usage on Project
35 LBS in a Soils Bag				
Material to be sampled as Clay Core material at its place of origin. Project Engineer to contact SATD to schedule a sampling	2	per	1	Prior to Usage on Project
35 LBS in a Soils Bag				

Project Construction

~			
oject Sampling and Lab Testing of SATD Material			Material Verification
Project Engineer to submit verification samples of Common Borrow.	1 per	15000	Cubic Yard
35 LBS in a Soils Bag			
Project Engineer to submit verification samples of material of Capping Borrow.	1 per	15000	Cubic Yard
35 LBS in a Soils Bag			
Project Engineer to submit verification samples of material of Modified Borrow.	1 per	15000	Cubic Yard
35 LBS in a Soils Bag			
Project Engineer to submit verification samples of material of Select Borrow.	1 per	15000	Cubic Yard
35 LBS in a Soils Bag			
Project Engineer to submit verification samples of Clay Core material.	1 per	15000	Cubic Yard
35 LBS in a Soils Bag			
ject Site Testing			Material Sampling and Testing
Compaction and Moisture analysis of Common Borrow to	4 per	1	Lane Mile per Lift
pe performed by Project Engineer. Submit Compaction report to MMD for clearance.	1 per	2000	Cubic Yard
Compaction and Moisture analysis of Capping Borrow to	4 per	1	Lane Mile per Lift
e performed by Project Engineer. Submit Compaction eport to MMD for clearance.	1 per	2000	Cubic Yard
Compaction and Moisture analysis of Modified Borrow to	4 per	1	Lane Mile per Lift
be performed by Project Engineer. Submit Compaction report to MMD for clearance.	1 per	2000	Cubic Yard
Compaction and Moisture analysis of Select Borrow to be	4 per	1	Lane Mile per Lift
performed by Project Engineer. Submit Compaction report to MMD for clearance.	1 per	2000	Cubic Yard
Compaction and Moisture analysis of Select Borrow for French Backfill to be performed by Project Engineer. Submit Compaction report to MMD for clearance.	1 per	150	Linear Feet per 3 Foot Lift
Compaction and Moisture analysis of Clay Core material to be performed by Project Engineer. Submit Compaction report to MMD for clearance.	1 per	2000	Cubic Yard

Soil Materials, Furnished Landscaping Soils

Plant or Product Qualification

Evaluation of Production Facility for SATD Materials				Facility Qualification
Material Producer to have their soil product tested by an independent laboratory and submit results to SATD.	1 per	6	Months	
Evaluation of Material Product for SATD Materials				Product Qualification
Quality Evaluation of Furnished Topsoil Product.	1 per	1	Prior to Source	e Approval
20 LB in a Soils Bag	1 per	6	Months	

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Source A	nnroval
Jour CC A	ppiovai

Source Submission		Source of Supply Submittal
Source of Supply Processing	1 per 1	Prior to Usage on Project
Project Construction		

Project Engineer to verify material and submit the approved Form 27B to the Materials Management Division for clearance. Form 27B may be found on the Documents Tab on the material source submission.

Material Verification for SATD Materials

1 per 1 Delivery to Project

Material Verification

Soil Materials, Salvaged & Other Landscaping Soils

Plant or Product Qualification

Review of Misc Production Location		Limited Producer Check
Production facility data maintained to track the material	1 per 1	Prior to Source Request
supply chain.		

Source Approval

Source Submission		Source of Supply Submittal
Source of Supply Processing	1 per 1	Prior to Usage on Project

Material Production

SATD Material Review			Material Certification for Project Usage
Project Engineer to contact SATD at least 30 days prior to material usage or placement. SATD will sample material at source, ensure material testing, and provide a Soil Test Report (Form 27B) and the Nutrient Management Plan.	1 per	1	Prior to Usage on Project
20 LB in a Soils Bag			
Project Engineer to contact SATD at least 30 days prior to material usage or placement. SATD will sample material at source, ensure material testing, and provide a Soil Test Report (Form 27B).	1 per	1	Prior to Usage on Project
20 LB in a Soils Bag			

Project Construction

Material Verification for SATD Materials			Material Verification
Project Engineer to verify material and submit the approved Form 27B to the Materials Management Division for clearance.	1 per 1	Item Completion	

Soil Stabilization Matting

Plant or Product Qualification

Evaluation of Material Producer for LPD Materials		Facility Qualification
Production facility data maintained to track the material supply chain and provide a basis for qualified products.	1 per 1	Prior to Source Request
Evaluation of Material Producer for LPD Materials		Product Qualification
Qualification of Material Product for use on State Projects	1 per 1	Prior to Usage on Project

Source Approval				
Source Submission				Source of Supply Submitta
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
LPD Material Verification				Material Verification
Project Engineer to visually inspect soil stabilization matting and fasteners during installation. Project Engineer to visually inspect placed material after installation.	1	per	1	Delivery to Project
urface Treatments				
Plant or Product Qualification				
Evaluation of Production Facility for ATD Materials				Facility Qualification
Production facility data maintained to provide a basis for qualified products.	1	per	1	Prior to Source Request
Evaluation of Material Product for ATD Materials				Product Qualification
Review and Qualification of Material Mixture for use on State Projects.	1	per	1	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submitta
Source of Supply Processing	1	per	1	Prior to Usage on Project
Material Production				
Notification of Production for ATD materials				Production Notification
Producer to notify the Asphalt Technology Division one week prior to material placement.	1	per	1	Placement Day
Project Construction				
ATD Material Verification				Material Verification
Project Engineer to collect material certifications (TC 1.03 w/o test results) and submit to materials management for clearance.	1	per	1	Delivery to Project
Sampling and Testing of ATD materials				Material Sampling and Testing
Project Engineer to sample emulsion and mixture.	1	per	1	Production Day
Sample to be delivered to OMT for verification.				
1 Gallon of Mixture and 1 Gallon of Emulsion in a Widemouth Plastic Jar				

D	lant or	Product	Qualif	ication
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Limited Producer Check **Review of Misc Production Location**

Production facility data maintained to track the material supply chain.

1 per 1

Prior to Source Request

Source Approval

Source Submission		Source of Supply Submittal
Source of Supply Processing	1 per 1	Prior to Usage on Project

Project Construction

OOTS Material Verification		Material Verification
Project Engineer to submit Form 14 to the Materials Management Division confirming the product is undamaged, acceptably placed, and conforms to specification.	1 per 1	Delivery to Project

Traffic Barrier End Treatments

Plant or Product Qualification

Review of Producer (QPL)				Facility Qualification
Production facility data maintained to provide a basis for qualified products.	1	per	1	Prior to Source Request
Review of Product (QPL)				Product Qualification
Qualification of Material Product for use on State Projects.	1	per	1	Prior to Source Request

Source Approval

Source Submission		Source of Supply Submittal
Source of Supply Processing	1 per 1	Prior to Usage on Project

Material Production

Approval of Material Prior to Shipment		Material Certification for Project Usage
Contractor to submit "Request to use NCHRP-350 Product" to the Engineer of Record. The Engineer of Record refers to a Project's design Engineer or plan sheet approver who is a Licensed Engineer in the field of design and MASH implementation.	1 per 1	Prior to Usage on Project

Project Construction

OOTS Material Verification		Material Verification
See source response for "Metal Traffic Barrier, Certified Installer" for this item for acceptance procedures.	1 per 1	Delivery to Project
Project Engineer to collect manufacturer's certification (TC 1.03 w/o test data) and submit certifications to the Materials Management Division for clearance.	1 per 1	Delivery to Project

Traffic Control Materials, Qualified

Plant or Product Qualification

Review Producer (OOTS)			Facility Qualification
Production facility data maintained to track the material	1 per	1	Prior to Source Request
supply chain and provide a basis for qualified products.			

Review Product (OOTS)				Product Qualification
Qualification of Material Product for use on State Projects.	1	per	1	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submittal
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
OOTS Material Verification				Material Verification
Project Engineer to collect certifications (TC 1.03 w/o test data) and submit certs to the Materials Management Division for clearance.	1	per	1	Delivery to Project
Traffic Control Materials, Qualified & Temporary				
Plant or Product Qualification				
Review Producer (OOTS)				Facility Qualification
Production facility data maintained to track the material supply chain and provide a basis for qualified products.	1	per	1	Prior to Source Request
Review Product (OOTS)				Product Qualification
Qualification of Material Product for use on State Projects.	1	per	1	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submitta
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
OOTS Material Verification				Material Verification
Project Engineer to submit Form 14 to the Materials Management Division confirming the product is undamaged, acceptably placed, and conforms to specification. Indicate the product manufacturer and model number (when available).	1	per	1	Delivery to Project
Fraffic Control Materials, Specialty Items				
Plant or Product Qualification				
Review of Misc Production Location				Limited Producer Check
Production facility data maintained to track the material supply chain.	1	per	1	Prior to Source Request
Review Product (OOTS)				Product Qualification
	1	per	1	Prior to Usage on Project
Product data maintained for historical purposes.	1			
Source Approval				
		per	1	Source of Supply Submittal Prior to Usage on Project

Approval of Material Prior to Shipment				Material Certification for Project Usage
Producer to submit Shop Drawings or Catalog Cuts to the Office of Traffic and Safety for evaluation.	1	per	1	Prior to Usage on Project
Project Construction				
OOTS Material Verification				Material Verification
Project Engineer to submit Form 14 to the Materials Management Division confirming receipt of approved documentation from OOTS and conformance to specifications.	1	per	1	Delivery to Project
raffic, Misc. Services and Products				
Plant or Product Qualification				
Review Producer (OOTS)				Facility Qualification
Facility data maintained to provide a basis for product data or historical reference.	1	per	1	Each
Review Product (OOTS)				Product Qualification
Product data maintained for historical purposes.	1	per	1	Each
Source Approval				
Source Submission				Source of Supply Submitta
Source of Supply Processing	1	per	1	Prior to Usage on Project
Project Construction				
OOTS Material Verification				Material Verification
Project Engineer to submit Form 14 to the Materials Management Division confirming the product is undamaged, acceptably placed, and conforms to specification. Indicate the product manufacturer and model number (when available). Vater, Pesticides, and Adjuvants	1	per	1	Delivery to Project
Plant or Product Qualification				
Review of Misc Production Location				Limited Producer Check
Production facility data maintained to track the material supply chain.	1	per	1	Prior to Source Request
Source Approval				
Source Submission				Source of Supply Submitta
Source of Supply Processing	1	per	1	Prior to Usage on Project
Material Production				
LPD Material Review				Material Certification for Project Usage
Project Engineer to contact LPD to ensure that pesticides and pesticide application methods meet specifications. An Integrated Pest Management Plan (IPM Plan) or Integrated Pest Management Form (IPMF) may be required for approval by LPD.	1	per	1	Prior to Usage on Project

Project Construction

Visual Inspection of Placed Material		Material Sampling and Testing
Project Engineer to inspect placed material. Project	1 per 1	Item Completion

Project Engineer to inspect placed material. Project Engineer to submit Form 14 for material clearance.