

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SITEMANAGER SAMPLING FREQUENCY REPORT
SEPTEMBER 2, 2021

SiteManager was used to automate ODOT's Contract sampling and testing requirements by allowing the Materials Division to associate materials to the master pay item list items, assign conversion factors, tests and the desired (default) frequencies for those tests.

This high-end set up is frequently referred to as "Global Sampling/Testing Requirements" since it is as determined/programmed by the Materials Division and subsequently made the default on all Contracts by selecting any new Contract in SiteManager and performing the built-in "Materials Generation" process.

There is a safety net for master pay items that may have gotten past the Materials Division. Prior to "Materials Generation", an "Outstanding Item List" process is completed. It indicates all Contract Pay Items that do not have material requirements associated and gives the Materials Division one last chance to address them globally, make them the default, and apply the updated default to that specific Contract and all subsequent Contracts.

Where the old separate Sampling Frequency Guide (Sampling Guide) played a significant role in Materials Division establishing these default automated sampling and testing requirements (with adjustments required by a different system), once the defaults were established and automated, a separate guide document serves little purpose (other than to somewhat confuse the issue).

What is "ODOT's Process" as far as what materials they test, what tests they conduct and at what frequency they conduct those tests? That is most logically and accurately relayed now by a data report of their actual distinct "Global Requirements". This report looks at all materials/tests on all master pay items in the system and lists all distinctly different ways they were set up to default on all Contracts.

One question we've had before about this report is: Why for a given material/test is there sometimes more than one frequency? Typically the higher frequency is the oddity and would be caused by something like a huge drill shaft pay item for which the default frequency just was not practical at all so a higher one was decided. Another example would be for concrete used in structures or pavements. Although it is still concrete and the same tests, we test those 2 applications at 2 different frequencies.

Following is ODOT Materials Division's distinct "Global Requirements" report:



Oklahoma Department of Transportation

SiteManager Sampling Frequency Report

Specification Year: 2019

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
acem001	Asphaltic Cement Type PG 76-28 OK	708.03			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	MAT Materials Division	C91018	PG Asphalt Binder_Project Sample	1 per 100,000	GAL

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
acem002	Asphaltic Cement Type PG 70-28 OK	708.03			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	MAT Materials Division	C91018	PG Asphalt Binder_Project Sample	1 per 100,000	GAL

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
acem003	Asphaltic Cement Type PG 64-22 OK	708.03			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	MAT Materials Division	C91018	PG Asphalt Binder_Project Sample	1 per 100,000	GAL

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
acem008	Asphaltic Cement Type PG 76-28 E	SP708-2409			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	MAT Materials Division	C91018	PG Asphalt Binder_Project Sample	1 per 100,000	GAL

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr001	Aggregate Base Aggregate Type A	703.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 1,500	TON

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr002	Aggregate Base Aggregate Type B	703.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 1,500	TON

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr003	Aggregate Base Aggregate Type C	703.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 1,500	TON

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr011	Eco Base/CTB Alt2 Aggregate, Combined	703.02			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	C93004	Aggregate_Sand Equivalent T 176	1 per 50,000	TON
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 1,500	TON

<u>Material Code</u>	<u>Material Name</u>		<u>Spec. Ref.</u>		
aggr012	Eco Base/CTB Alt1 Aggregate, Fine		703.02		
<u>Sample Type</u>	<u>Acceptance Method</u>		<u>Test Method</u>	<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 1,500	TON
<u>Material Code</u>	<u>Material Name</u>		<u>Spec. Ref.</u>		
aggr013	Eco Base/CTB Alt1 Aggregate, Coarse		703.02		
<u>Sample Type</u>	<u>Acceptance Method</u>		<u>Test Method</u>	<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 1,500	TON
<u>Material Code</u>	<u>Material Name</u>		<u>Spec. Ref.</u>		
aggr017	Open Gr PC Conc Base Aggregate		703.03		
<u>Sample Type</u>	<u>Acceptance Method</u>		<u>Test Method</u>	<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 1,500	TON
<u>Material Code</u>	<u>Material Name</u>		<u>Spec. Ref.</u>		
aggr026	TBSC Aggregate Type A		703.05		
<u>Sample Type</u>	<u>Acceptance Method</u>		<u>Test Method</u>	<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 1,500	TON
<u>Material Code</u>	<u>Material Name</u>		<u>Spec. Ref.</u>		
aggr027	TBSC Aggregate Type B		703.05		
<u>Sample Type</u>	<u>Acceptance Method</u>		<u>Test Method</u>	<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 1,500	TON
<u>Material Code</u>	<u>Material Name</u>		<u>Spec. Ref.</u>		
aggr028	TBSC Aggregate Type C		703.05		
<u>Sample Type</u>	<u>Acceptance Method</u>		<u>Test Method</u>	<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 1,500	TON
<u>Material Code</u>	<u>Material Name</u>		<u>Spec. Ref.</u>		
aggr029	TBSC Aggregate Type D		703.05		
<u>Sample Type</u>	<u>Acceptance Method</u>		<u>Test Method</u>	<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 1,500	TON
<u>Material Code</u>	<u>Material Name</u>		<u>Spec. Ref.</u>		
aggr030	TBSC Aggregate Type E		703.05		
<u>Sample Type</u>	<u>Acceptance Method</u>		<u>Test Method</u>	<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 1,500	TON
<u>Material Code</u>	<u>Material Name</u>		<u>Spec. Ref.</u>		
aggr031	TBSC Aggregate Type F		703.05		
<u>Sample Type</u>	<u>Acceptance Method</u>		<u>Test Method</u>	<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 1,500	TON
<u>Material Code</u>	<u>Material Name</u>		<u>Spec. Ref.</u>		
aggr033	Micro Surf Aggregate Type I, Mineral		707.02		
<u>Sample Type</u>	<u>Acceptance Method</u>		<u>Test Method</u>	<u>Frequency</u>	
MAT Material	CRES Construction Residency	C93004	Aggregate_Sand Equivalent T 176	1 per 2,500	TON

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr034	Micro Surf Aggregate Type II, Mineral	707.02			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	C93004	Aggregate_Sand Equivalent T 176	1 per 2,500	TON
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr035	Micro Surf Aggregate Type III, Mineral	707.02			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	C93004	Aggregate_Sand Equivalent T 176	1 per 2,500	TON
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr042	Granular Backfill Aggregate	703.07			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 500	CY
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr048	Pipe Underdrain, Filter Sand	703.06			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 250	CY
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr049	Standard Bedding Matl Class C	703.08			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	C95001	Density and Moisture Content of Soil Agg by Nuke Meth	1 per 50	CY
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 500	CY
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr051	Pipe Underdrain Aggregate, Coarse	703.06			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 250	CY
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr054	HC Conc Aggregate, Fine	701.05			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 500	TON
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr056	HC Conc Aggregate No 67, Coarse	701.06			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 500	TON
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr057	HC Conc Aggregate No 57, Coarse	701.06			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 500	TON
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr063	High Density Conc Aggregate, Combined	701.10			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 500	TON

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr064	Latex Mod Conc Aggregate, Combined	701.11			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 500	TON

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr078	Subballast Aggregate Type B	plan notes			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	C95001	Density and Moisture Content of Soil Agg by Nuke Meth	1 per 1,000	CY
MAT Material	CRES Construction Residency	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 1,000	CY

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr085	HFST Calcined Bauxite Aggregate	SP707-1a09			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	MAT Materials Division	C94011	Aggregate_LA Abrasion	1 per 500	TON
MAT Material	MAT Materials Division	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 500	TON

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
aggr086	HFST Mine Chat Aggregate	SP707-1a09			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	MAT Materials Division	C94011	Aggregate_LA Abrasion	1 per 500	TON
MAT Material	MAT Materials Division	T27	Sieve Analysis of Fine and Coarse Aggregates	1 per 500	TON

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco004	Asphalt Concrete, Type S2 (PG 76-28 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	C93004	Aggregate_Sand Equivalent T 176	1 per 20,000	TON
MAT Material	MAT Materials Division	C93005	HMA TSR T 283	1 per 10,000	TON
MAT Material	CRES Construction Residency	C93015	HMA Sample	1 per 1,000	TON
MAT Material	CRES Construction Residency	C93016	HMA Density Test for Pavement Cores	1 per 1,000	TON

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco005	Asphalt Concrete, Type S2 (PG 70-28 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	C93004	Aggregate_Sand Equivalent T 176	1 per 20,000	TON
MAT Material	MAT Materials Division	C93005	HMA TSR T 283	1 per 10,000	TON
MAT Material	CRES Construction Residency	C93015	HMA Sample	1 per 1,000	TON
MAT Material	CRES Construction Residency	C93016	HMA Density Test for Pavement Cores	1 per 1,000	TON

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco006	Asphalt Concrete, Type S2 (PG 64-22 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	C93004	Aggregate_Sand Equivalent T 176	1 per 20,000	TON
MAT Material	MAT Materials Division	C93005	HMA TSR T 283	1 per 10,000	TON
MAT Material	CRES Construction Residency	C93015	HMA Sample	1 per 1,000	TON
MAT Material	CRES Construction Residency	C93016	HMA Density Test for Pavement Cores	1 per 1,000	TON

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco007	Asphalt Concrete, Type S3 (PG 76-28 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco008	Asphalt Concrete, Type S3 (PG 70-28 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco009	Asphalt Concrete, Type S3 (PG 64-22 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco010	Asphalt Concrete, Type S4 (PG 76-28 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco011	Asphalt Concrete, Type S4 (PG 70-28 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco012	Asphalt Concrete, Type S4 (PG 64-22 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco013	Asphalt Concrete, Type S5 (PG 76-28 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco014	Asphalt Concrete, Type S5 (PG 70-28 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco015	Asphalt Concrete, Type S5 (PG 64-22 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco016	Asphalt Concrete, Type S6 (PG 76-28 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco017	Asphalt Concrete, Type S6 (PG 70-28 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco018	Asphalt Concrete, Type S6 (PG 64-22 OK)	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco023	Asphalt Concrete, Type OGBB	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	T30 Mechanical Analysis of Extracted Aggregate	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco024	Asphalt Concrete, Type OGFSC	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	T30 Mechanical Analysis of Extracted Aggregate	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco027	Asphalt Concrete, Type 1/2" SMA	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco029	Asphalt Concrete, Type 1/2" PFC	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco030	Asphalt Concrete, Micro Surf, Type I	707			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93013 Asphalt Binder Content by Ignition	1 per 500	TON	
MAT Material	CRES Construction Residency	T30 Mechanical Analysis of Extracted Aggregate	1 per 500	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco031	Asphalt Concrete, Micro Surf, Type II	707			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93013 Asphalt Binder Content by Ignition	1 per 500	TON	
MAT Material	CRES Construction Residency	T30 Mechanical Analysis of Extracted Aggregate	1 per 500	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco032	Asphalt Concrete, Micro Surf, Type III	707			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93013 Asphalt Binder Content by Ignition	1 per 500	TON	
MAT Material	CRES Construction Residency	T30 Mechanical Analysis of Extracted Aggregate	1 per 500	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco036	Asphalt Concrete, UTBWC, Type A	707			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 2,500	TON	
MAT Material	CRES Construction Residency	C93013 Asphalt Binder Content by Ignition	1 per 500	TON	
MAT Material	CRES Construction Residency	T30 Mechanical Analysis of Extracted Aggregate	1 per 500	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco037	Asphalt Concrete, UTBWC, Type B	707			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 2,500	TON	
MAT Material	CRES Construction Residency	C93013 Asphalt Binder Content by Ignition	1 per 500	TON	
MAT Material	CRES Construction Residency	T30 Mechanical Analysis of Extracted Aggregate	1 per 500	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco038	Asphalt Concrete, UTBWC, Type C	707			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 2,500	TON	
MAT Material	CRES Construction Residency	C93013 Asphalt Binder Content by Ignition	1 per 500	TON	
MAT Material	CRES Construction Residency	T30 Mechanical Analysis of Extracted Aggregate	1 per 500	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco040	Asphalt Concrete, Rich Bottom Layer	708			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco041	Asphalt Concrete, Type S3 (PG 76-28 E)	SP708-2409			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco042	Asphalt Concrete, Type S5 (PG 76-28 E)	SP708-2409			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco043	Asphalt Concrete, RIL (PG 76-28 E)	SP411-1509			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asco044	Asphalt Concrete, Type S4 (PG 76-28 E)	SP708-2409			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93004 Aggregate_Sand Equivalent T 176	1 per 20,000	TON	
MAT Material	MAT Materials Division	C93005 HMA TSR T 283	1 per 10,000	TON	
MAT Material	CRES Construction Residency	C93015 HMA Sample	1 per 1,000	TON	
MAT Material	CRES Construction Residency	C93016 HMA Density Test for Pavement Cores	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asph021	Asphalt, Emulsified, Type PMCSS-1H	708.03			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C91006 Emulsified Asphalt_Project Sample	1 per 10,000	GAL	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asph024	Asphalt, Emulsified, Type PMCRS-1S	708.03			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C91006 Emulsified Asphalt_Project Sample	1 per 100,000	GAL	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
asph029	Asphalt, Emulsified, Type ARA-1P	SP			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C91005 Emulsified Asphalt_QM Sample	1 per 20,000	GAL	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
base001	Aggregate Base (98% Compaction)	303			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C95001 Density and Moisture Content of Soil Agg by Nuke Meth	1 per 800	CY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
base002	Aggregate Base (95% Compaction)	303			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C95001 Density and Moisture Content of Soil Agg by Nuke Meth	1 per 800	CY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
base008	Subgrade Method B	310.04(B)			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C95001 Density and Moisture Content of Soil Agg by Nuke Meth	1 per 2,500	SY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
base009	Existing Base and Surface	311			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C95001 Density and Moisture Content of Soil Agg by Nuke Meth	1 per 1,000	LF	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
base010	Stabilized Subgrade	307			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C95001 Density and Moisture Content of Soil Agg by Nuke Meth	1 per 2,500	SY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
base011	Econo Base	318			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C94014 Compressive Strength of Concrete Cylinders	1 per 5,000	SY	
MAT Material	CRES Construction Residency	C94025 Fresh Concrete Tests	1 per 5,000	SY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
base013	Open Gr PC Conc Base	319			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C95003 In Place Density of OGPCCB by Nuclear Method	1 per 2,500	SY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
base017	Cement Treated Base (CTB)	317			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C95004 CTB Tests on Field Molded Specimens	1 per 10,000	SY	
MAT Material	CRES Construction Residency	C95005 In Place Density of Cement Treated Base by Nuclear Methods	1 per 2,500	SY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
ckds001	Cement Kiln Dust (CKD)	702.03			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 1,000	TON
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
cure001	Liquid Membrane Curing Compound	701.07(C)			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 2,500	GAL
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
drai017	Corrugated Metal Pipe (CMP)	726.02			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 250	LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
drai028	Corrug. Polyethylene/Polypropylene Pipe	726.02			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 1,000	LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
elec005	Elect Wire/Cable, Building/Highway Light	738.02			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5011	Acceptance Form for Bldg or Hwy Lighting Electric Wire	1 per 5,000	LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
elec007	Elect Cable, Communication	738.03			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5012	Acceptance of Communication Electric Cable	1 per 5,000	LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
elec008	Elect Cable, Traffic Signal	738.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5008	Acceptance of Traffic Signal Electric Cable	1 per 5,000	LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
elec009	Elect Wire, Traffic Signal Wire	738.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5010	Acceptance of Dectector Loop Wire	1 per 5,000	LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
elec014	Elect Cable, Loop Detector Lead-in	738.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5009	Acceptance of Shielded Loop Detector Lead In Cable	1 per 5,000	LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
ewrk001	Earthwork, Select Borrow	202			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	C95001	Density and Moisture Content of Soil Agg by Nuke Meth	1 per 2,000	CY

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
ewrk002	Earthwork, Excavation/Embankment	202			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	C95001	Density and Moisture Content of Soil Agg by Nuke Meth	1 per 2,000	CY
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
ewrk003	Earthwork, Trench Backfill	613.04			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	C95001	Density and Moisture Content of Soil Agg by Nuke Meth	1 per 250	LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
ewrk004	Earthwork, Machine Grading	209			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	C95001	Density and Moisture Content of Soil Agg by Nuke Meth	1 per 2,500	LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
ewrk009	Earthwork, Structure Excav & Backfill	501			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
MAT Material	CRES Construction Residency	C95001	Density and Moisture Content of Soil Agg by Nuke Meth	1 per 2,000	CY
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fabr001	Fabric Reinf for Asphalt Concrete Pvmt	712.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 50,000	SY
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fabr002	Fabric, Permanent Erosion Control	712.02			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 5,000	SY
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fabr004	Fabric, Geotextile Subgrade Reinforce	712.04			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 5,000	SY
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fabr005	Fabric, Separator for Bases	712.05			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 50,000	SY
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fabr006	Fabric, Silt Fence Filter	712.06			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 5,000	LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fabr010	Geogrid	712.07			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 5,000	SY

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fabr013	Fabric, Separator for Bond Breaker	317.02			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
DOC Document	CRES Construction Residency	AM5001 Acceptance of Pre Approved Products	1 per 50,000		SY
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fenc002	Fence Wire, Woven, Zinc Coated	732.06			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C92013 Fence_Woven Wire	1 per 16,500		LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fenc004	Fence Wire, Barbed	732.06			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C92010 Fence_Barbed Wire	1 per 66,000		LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fenc007	Fence Wire, Barbless, Zinc Coated	732.06			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C92011 Fence_Barbless Wire	1 per 66,000		LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fenc009	Fence Posts, Steel	732.06			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C92012 Fence_T Post	1 per 1,000		EACH
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fenc011	Fence Wire, Tie	732.06			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C92040 Post Ties for SWF and WWF	1 per 1,000,000		EACH
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fenc016	Fence Wire, Chain Link Fabric	732.07			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C92015 Fence_CLF Fabric	1 per 5,000		LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fenc017	Fence Wire, Chain Link Tension	732.07			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C92014 Fence_Tension Wire	1 per 1,000,000		LF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fenc018	Fence Wire, Chain Link Tie	732.07			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C92048 Post Ties for Chain Link Fence (CLF)	1 per 1,000,000		EACH
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fenc019	Fence Posts, Chain Link Support	732.07			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C92016 Fence_CLF Support Posts	1 per 1,000		EACH

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fenc020	Fence Posts, Chain Link Line	732.07			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C92017 Fence_CLF Line Post	1 per 1,000	EACH	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fenc021	Fence Rail, Chain Link, Top or Brace	732.07			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C92018 Fence_CLF Brace and Top Rails	1 per 1,000,000	LF	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
fenc033	Fence Wire, Tension	732.06			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C92014 Fence_Tension Wire	1 per 1,000,000	IUC	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
lime002	Lime, Quick	706.02			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	MAT Materials Division	C92001 Quick Lime_Lab Analysis	1 per 250	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
ljo001	Asphalt Longitudinal Joint Density	SP411-12			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C93019 Asphalt Longitudinal Joint Density	1 per 1,000	TON	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
pcco001	HC Conc Class AA(AE)	701.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C94014 Compressive Strength of Concrete Cylinders	1 per 70	CY	
MAT Material	CRES Construction Residency	C94025 Fresh Concrete Tests	1 per 35	CY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
pcco002	HC Conc Class A (AE)	701.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C94014 Compressive Strength of Concrete Cylinders	1 per 2,500	CY	
MAT Material	CRES Construction Residency	C94014 Compressive Strength of Concrete Cylinders	1 per 625	CY	
MAT Material	CRES Construction Residency	C94014 Compressive Strength of Concrete Cylinders	1 per 70	CY	
MAT Material	CRES Construction Residency	C94025 Fresh Concrete Tests	1 per 35	CY	
MAT Material	CRES Construction Residency	C94025 Fresh Concrete Tests	1 per 2,500	CY	
MAT Material	CRES Construction Residency	C94025 Fresh Concrete Tests	1 per 625	CY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
pcco004	HC Conc Class C(AE)	701.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C94014 Compressive Strength of Concrete Cylinders	1 per 70	CY	
MAT Material	CRES Construction Residency	C94025 Fresh Concrete Tests	1 per 35	CY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
pcco005	HC Conc Class P(AE)	701.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C94014 Compressive Strength of Concrete Cylinders	1 per 70	CY	
MAT Material	CRES Construction Residency	C94025 Fresh Concrete Tests	1 per 35	CY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
pcco006	HC Conc, High Density - HDC	701.10			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C94014 Compressive Strength of Concrete Cylinders	1 per 70	CY	
MAT Material	CRES Construction Residency	C94025 Fresh Concrete Tests	1 per 35	CY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
pcco007	HC Conc, Latex Modified - LMC	701.11			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C94014 Compressive Strength of Concrete Cylinders	1 per 70	CY	
MAT Material	CRES Construction Residency	C94025 Fresh Concrete Tests	1 per 35	CY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
pcco008	HC Conc, Cont Low Strngth Matl - CLSM	701.19			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C94004 CLSM_Compressive Strength	1 per 100	CY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
pcco017	Open Gr PC Conc Base - Mix	319.04(C)			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C94045 Density Unit Weight of Concrete	1 per 20,000	SY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
pcco018	HC Conc Very Early Str Type I (VESI)	701.20			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C94014 Compressive Strength of Concrete Cylinders	0 per 70	CY	
MAT Material	CRES Construction Residency	C94025 Fresh Concrete Tests	0 per 35	CY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
pcco019	HC Conc Very Early Str Type III (VESIII)	701.20			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C94014 Compressive Strength of Concrete Cylinders	0 per 70	CY	
MAT Material	CRES Construction Residency	C94025 Fresh Concrete Tests	0 per 35	CY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
pcco020	HC Conc Rapid Setting Latex Mod (RSLMC)	701.20			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
MAT Material	CRES Construction Residency	C94014 Compressive Strength of Concrete Cylinders	0 per 70	CY	
MAT Material	CRES Construction Residency	C94025 Fresh Concrete Tests	0 per 35	CY	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
qual001	HC Conc Admixture, Liquid	701.03			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>	<u>Frequency</u>		
DOC Document	CRES Construction Residency	AM5001 Acceptance of Pre Approved Products	1 per 10,000	IUC	

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
qual002	Hydraulic Cement	701.02			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 1,000	TON
qual003	Fly Ash	702.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 1,000	TON
qual004	Prestressed Concrete Bridge Item	503			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5002	Acceptance of Pre Delivery Inspected	1 per 10,000	LF
DOC Document	CRES Construction Residency	AM5002	Acceptance of Pre Delivery Inspected	1 per 10,000	EACH
qual005	Fabricated Structural Steel Item	724			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5002	Acceptance of Pre Delivery Inspected	1 per 1,000,000	LB
qual007	Gray Iron Castings	725.03			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5004	Acceptance of Iron Castings	1 per 50	EACH
qual008	Reinforced Concrete Pipe	726.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5002	Acceptance of Pre Delivery Inspected	1 per 250	IUC
qual010	Cut-Back Asphalt	708.03			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 100,000	GAL
qual011	Emulsified Asphalt	708.03			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 100,000	GAL
qual021	Fabricated Reinforcing Steel Item	723			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5005	Acceptance of Reinforcing Steel	1 per 50,000	LB
qual022	Epoxy Coated Reinforcing Steel	723			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5005	Acceptance of Reinforcing Steel	1 per 1,000,000	LB
DOC Document	CRES Construction Residency	AM5005	Acceptance of Reinforcing Steel	1 per 50,000	LB

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
qual023	Precast Concrete Drainage Structure	611			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5002	Acceptance of Pre Delivery Inspected	1 per 50	EACH
qual024	Precast Concrete Box	508			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5002	Acceptance of Pre Delivery Inspected	1 per 250	LF
qual025	Precast Concrete Arch Structure	508			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5002	Acceptance of Pre Delivery Inspected	1 per 10,000	LF
qual027	Precast Concrete Wall	510			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5002	Acceptance of Pre Delivery Inspected	1 per 2,500	SY
qual030	NT Tack Coat	SP70825A09			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 100,000	GAL
qual033	Penetrating Corrosion Inhibitor	535.02			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 2,000	SY
qual034	Prestressed Concrete Deck Panels	503			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5002	Acceptance of Pre Delivery Inspected	1 per 100,000	SF
rail001	Guard Rail, Galv Steel Beams and Posts	732.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5006	Acceptance of Material by Type A Certification	1 per 100	EACH
DOC Document	CRES Construction Residency	AM5006	Acceptance of Material by Type A Certification	1 per 100,000	LF
rail013	Guard Rail End Treatment, GET	732.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5006	Acceptance of Material by Type A Certification	1 per 100	EACH
rail014	Guard Rail, Spacer Block (Blockout)	732.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 100	EACH

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
resn001	HFST Binder Resin System	707-1a09			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5013	Acceptance of Material by Type B Certification	1 per 100,000	GAL
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
seal010	Jt. Sealant, Rapid Cure	701.08(G)			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 10,000	IUC
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
seal011	Elastomeric Mortar	701.08(G)			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 1,000	CF
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
seal014	HC Conc Penetrating Water Repellent	701.12			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 2,000	SY
MAT Material	MAT Materials Division	C94005	Penetrating Water Repellent Treatment_Penetration Analysis	1 per 2,000	SY
MAT Material	MAT Materials Division	C94006	Penetrating Water Repellent Treatment_Absorption	1 per 2,000	SY
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
seal022	Epoxy Bridge Deck Sealer, Types K,L	70113B1011			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 110	GAL
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
seal024	Epoxy for Injection, Type D	701.13B4			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 100	GAL
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
seal025	Mastic Crack Sealant	422-1ae09			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5006	Acceptance of Material by Type A Certification	1 per 100,000	LB
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
side010	Seeding Materials	735.03			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5007	Acceptance of Material by Visual Inspection	1 per 1	TON
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
side019	Fertilizer	735.06			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5007	Acceptance of Material by Visual Inspection	1 per 10,000	TON
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
side020	Silt Dike - Triangular	735.07			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001	Acceptance of Pre Approved Products	1 per 5,000	LF

<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
sstl002	Steel Welding, Field	724.03			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	C94043 Documenting Field Welding		1 per 100,000	IUC
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
sstl012	Steel, H-Pile Splicers	724.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001 Acceptance of Pre Approved Products		1 per 100,000	EACH
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
ston001	Riprap Stone	713.01			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001 Acceptance of Pre Approved Products		1 per 10,000	TON
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
ston004	Gabion Fill Stone	713.03			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5001 Acceptance of Pre Approved Products		1 per 10,000	TON
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
ston007	Filter Blanket Stone, 2 Course Backing	713.02			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5006 Acceptance of Material by Type A Certification		1 per 10,000	TON
<u>Material Code</u>	<u>Material Name</u>	<u>Spec. Ref.</u>			
ston008	Filter Blanket Stone, 1 Course Backing	713.02			
<u>Sample Type</u>	<u>Acceptance Method</u>	<u>Test Method</u>		<u>Frequency</u>	
DOC Document	CRES Construction Residency	AM5006 Acceptance of Material by Type A Certification		1 per 10,000	TON