

*****GENERAL REWRITE - PLEASE READ CAREFULLY*****

FORMS INCLUDED IN THIS APPENDIX:

Aggregates
Bridge Deck Overlay
Concrete Structures
Culvert & Storm Sewer Pipe
Guardrail & Safety Enhancement
HMA Paving
Miscellaneous Materials
Portland Cement Concrete Paving & Base Repair
Subdrain

2005

Construction and Materials Review

AGGREGATES

Project No.: _____ Contract No.: _____

County: _____ Contractor: _____

Refer to IM 204 for Acceptance of Materials

Proportioned Aggregates

Basis of Acceptance

	<u>Type of Aggregate</u>	<u>Source / T203 A-Number</u>
Cert.	_____	_____

Non-Proportioned Aggregates (Porous Backfill, Subbase, Revetment, Etc.)

Basis of Acceptance

<u>Contract Item No.</u>	<u>Type of Aggregate</u>	<u>Source / T203 A-Number</u>	<u>Units</u>	<u>Final Quantity</u>	<u>Reported Quantity</u>
_____ Cert.	_____	_____	Tons	_____	_____
_____ Cert.	_____	_____	Tons	_____	_____
_____ Cert.	_____	_____	Tons	_____	_____
_____ Cert.	_____	_____	Tons	_____	_____
_____ Cert.	_____	_____	Tons	_____	_____
_____ Cert.	_____	_____	Tons	_____	_____

Comments: _____

Project Engineer Reviewed by: _____ Date: _____

District Materials Reviewed by: _____ Date: _____

2005

Construction and Materials Review
BRIDGE DECK OVERLAY

Project No.: _____

Contract No.: _____

County: _____

Contractor: _____

Refer to IM 204 for Acceptance of Materials

<u>Contract Item No.</u>	<u>Mix Type</u>	<u>Final Quantity</u>	<u>Required Quantity</u>
_____ Plant Report 800240	_____	_____	_____
_____ Plant Report 800240	_____	_____	_____
_____ Plant Report 800240	_____	_____	_____
_____ Plant Report 800240	_____	_____	_____
_____ Plant Report 800240	_____	_____	_____
_____ Plant Report 800240	_____	_____	_____

<u>Items</u>	<u>Basis of Acceptance</u>	<u>Approved Source</u>
Cement	Cert. / Approved Source	_____
GGBFS	Cert. / Approved Source	_____
Fly Ash Type _____	Cert. / Approved Source	_____
Fine Agg	Cert. / Appr. Source & Monitor	_____
Coarse Agg	Cert. / Appr. Source & Monitor	_____

<u>Items</u>	<u>Basis of Acceptance</u>	<u>Approved Brand &/or Batch #</u>
Air Entraining Agent	Approved Brand	_____
Curing Compound , White	Approved Brand / Batch #	_____
Retarding Admixture	Approved Brand	_____
Water Reducer Admixture	Approved Brand	_____

	<u>Job Control Tests (Construction)</u>	<u>Required</u>	<u>Reported</u>
Air Test	1 / 100 SY Form 830242	_____	_____
Slump Test	1 / 100 SY Form 830242	_____	_____
Density-Nuclear	6 / bridge or min. 3 per placement	_____	_____
Smoothness	Cert. Report Form 821301	_____	_____

Verification Tests --- Materials will furnish report(s)

Coarse aggregate-quality	1 / project	_____	_____
Cement	1 / project	_____	_____

Independent Assurance --- Materials will furnish report(s)

Nuclear test-densities	Witness Form 1297	_____	_____
Smoothness	1 set wheeltracks (minimum) Form 821301	_____	_____

Department Info --- Materials will furnish report(s)

Compression cylinders (primary projects only)	3 / project	_____	_____
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Comments: _____

Project Engineer Reviewed by: _____ Date: _____

District Materials Reviewed by: _____ Date: _____

2005

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Construction and Materials Review
CONCRETE STRUCTURES

Project No.: _____ Contract No.: _____

County: _____ Contractor: _____

Type of Structure: _____

<u>Contract Item No.</u>	<u>Mix Type</u>	<u>Final Quantity</u>	<u>Required Quantity</u>
Plant Report 800240	_____	_____	_____
Plant Report 800240	_____	_____	_____
Plant Report 800240	_____	_____	_____
Plant Report 800240	_____	_____	_____
Plant Report 800240	_____	_____	_____
Plant Report 800240	_____	_____	_____

Refer to IM 204 for Acceptance of Materials

<u>Items</u>	<u>Basis of Acceptance</u>	<u>Approved Source</u>
Cement	Cert. / Approved Source	_____
GGBFS	Cert. / Approved Source	_____
Fly Ash Type _____	Cert. / Approved Source	_____

<u>Contract Item No.</u>	<u>Items</u>	<u>Basis of Acceptance</u>	<u>Unit</u>	<u>Final Quantity</u>	<u>Reported Quantity</u>
_____	Beams, prestressed	Fabrication Report	Each	_____	_____
_____	Piling, wood	Cert or Test Rpt from Approved Agency	Lf.	_____	_____
_____	Piling, steel H (53)	Mill Cert	Lf.	_____	_____
_____	Piling, steel H (42)	Mill Cert	Lf.	_____	_____
_____	Piling, concrete	Fabrication Report	Each	_____	_____
_____	Reinforcing steel, uncoated	Mill Cert	Lbs.	_____	_____
_____	Epoxy coated steel	Mill Cert, Epoxy Cert & Test Report	Lbs.	_____	_____
_____	Steel diaphragms	Approved Shop Drawing & Fab Report	Lbs.	_____	_____
_____	Floor drains	Approved Shop Drawing & Fab Report	Lbs.	_____	_____
_____	Steel masonry plates	Approved Shop Drawing & Fab Report	Lbs.	_____	_____
_____	Structural steel	Approved Shop Drawing & Fab Report	Lbs.	_____	_____

		<u>Required</u>	<u>Reported</u>
_____	Plastic Conduit Size/Type _____ Test Report	_____	_____
_____	Plastic Conduit Size/Type _____ Test Report	_____	_____
_____	Plastic Conduit Size/Type _____ Test Report	_____	_____
_____	Bronze bearing plates _____ Test Report	_____	_____

		<u>Approved Manufacturer / Brand</u>
_____	Steel Conduit Size _____ Approved Manufacturer / Brand	_____
_____	Steel Conduit Size _____ Approved Manufacturer / Brand	_____
_____	Steel Conduit Size _____ Approved Manufacturer / Brand	_____

Comments: _____

Project Engineer Reviewed by: _____ Date: _____

District Materials Reviewed by: _____ Date: _____

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Construction and Materials Review
CONCRETE STRUCTURES

Project No.: _____

Contract No.: _____

County: _____

Contractor: _____

Refer to IM 204 for Acceptance of Materials

Contract Item No.	Items	Basis of Acceptance	Approved Brand, Source &/or Batch #
	Air Entraining Agent	Approved Brand	_____
	Curing Compound, White	Approved Brand/Batch #	_____
	Curing Compound, Clear	Approved Brand	_____
	Retarding mixture	Approved Brand / Lot #	_____
	Water Reducer admixture	Approved Brand / Lot #	_____
_____	Engineering fabric	Approved Brand	_____
	Joint Filler, Flex Foam Type CF & EF	Approved Brand	_____
_____	Neoprene Bearing Pad	Approved Brand	_____
_____	Paint, Bridge Type _____	Approved Brand	_____
_____	Paint, Bridge Type _____	Approved Brand	_____
_____	Paint, Bridge Type _____	Approved Brand	_____
_____	Paint, Bridge Type _____	Approved Brand	_____
	Rodent Guard	Approved Brand	_____
	Subdrain, CMP, Concrete or PE	Approved Source	_____
	Subdrain outlet, for CMP or PE	Approved Source	_____
_____	Curing Compound for barrier rail	Approved Brand	_____
	Concrete sealer	Approved Brand	_____

Comments: _____

Project Engineer Reviewed by: _____ Date: _____

District Materials Reviewed by: _____ Date: _____

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Construction and Materials Review
CONCRETE STRUCTURES

Project No.: _____ Contract No.: _____
County: _____ Contractor: _____

Refer to IM 204 for Acceptance of Materials

<u>Job Control Tests (Construction)</u>			<u>Form</u>	<u>Required</u>	<u>Reported</u>
Fine agg.- grad. process/accept. control	1 Test / Lot*	800240	_____	_____	
Fine agg.- acceptance monitor grad.	1st lot, then 10%	200	_____	_____	
Coarse agg.- grad. process/accept. control	1 Test / Lot*	800240	_____	_____	
Coarse agg.- acceptance monitor grad.	1st lot, then 10%	200	_____	_____	
Air Test	1 / 30 CY	145	_____	_____	
Slump test	1 / 30 CY	145	_____	_____	
Test beams	2 / placement	145	_____	_____	
Smoothness	Cert. Test	821301	_____	_____	

<u>Verification Tests --- Materials will furnish report(s)</u>			<u>Required</u>	<u>Reported</u>
Coarse aggregate-quality	1 / 1000 CY	_____	_____	
Cement	1 / 1000 CY	_____	_____	
GGBFS	1 / 1000 CY	_____	_____	
Reinforcing Steel	IM 451	_____	_____	
Reinforcing Steel, epoxy	IM 451.03B	_____	_____	

<u>Independent Assurance --- Materials will furnish report(s)</u>			<u>Required</u>	<u>Reported</u>
Smoothness	10% of project	821301	_____	_____

<u>Department Info --- Materials will furnish report(s)</u>			<u>Required</u>	<u>Reported</u>
Compression cylinders (Primary Only)	3 / project	_____	_____	

*Lot=1 days run or approximately 250 CY whichever is greater. If less than 250 CY are produced in one calendar week, then that week's work may be considered a lot.

Comments: _____

Project Engineer Reviewed by: _____ Date: _____
District Materials Reviewed by: _____ Date: _____

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Construction and Materials Review

GUARDRAIL & SAFETY ENHANCEMENT

Project No.: _____

Contract No.: _____

County: _____

Contractor: _____

Refer to IM 204 for Acceptance of Materials

<u>Contract Item No.</u>	<u>Item</u>	<u>Basis of Acceptance</u>	<u>Unit</u>	<u>Final Quantity</u>	<u>Reported Quantity</u>
_____	Posts for guardrail , wood	Cert or Test Report	Each	_____	_____
_____	Guardrail Cable	Test Report	Lf.	_____	_____
_____	Steel, Posts	Fabrication Report	Each	_____	_____
_____	RE _____ end anchorages	Test Report	Each	_____	_____
_____	RE _____ end anchorages	Test Report	Each	_____	_____
_____	RE _____ end anchorages	Test Report	Each	_____	_____
_____	RE _____ end anchorages	Test Report	Each	_____	_____
_____	RE _____ bridge connection	Test Report	Each	_____	_____
_____	RE _____ bridge connection	Test Report	Each	_____	_____
_____	RE _____ end anchorages, cable	Test Report	Each	_____	_____
_____	RE _____ end anchorages, cable	Test Report	Each	_____	_____
_____	Delineators posts	Test Report	Each	_____	_____
_____	Object Markers, Type 3	Test Report	Each	_____	_____

<u>Contract Item No.</u>	<u>Item</u>	<u>Basis of Acceptance</u>	<u>Brand</u>
_____	Delineators, amber	Approved Brand	_____
_____	Delineators, white	Approved Brand	_____
_____	Guardrail, formed steel beam	Approved Brand	_____
_____	Guardrail, formed steel beam	Approved Brand	_____

Miscellaneous

<u>Contract Item No.</u>	<u>Item</u>	<u>Basis of Acceptance</u>	<u>Unit</u>	<u>Required</u>	<u>Reported</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Comments: _____

Project Engineer Reviewed by: _____ Date: _____

District Materials Reviewed by: _____ Date: _____

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Construction and Materials Review

HMA PAVING

Includes Cold-In-Place Recycling

Project No.: _____

Contract No.: _____

County: _____

Contractor: _____

Refer to IM 204 for Acceptance of Materials

<u>Contract Item No.</u>	<u>Basis of Acceptance</u>	<u>Type</u>	<u>Source</u>
_____	Cert. Binder	_____	_____
_____	Cert. Binder	_____	_____
_____	Cert. Liq. Asp./Cutbacks	_____	_____
_____	Cert. Liq. Asp./Cutbacks	_____	_____

<u>Contract Item No.</u>	<u>Basis of Acceptance</u>	<u>Type and Design No.</u>	<u>Unit</u>	<u>Final Quantity</u>	<u>Reported Quantity</u>
_____	Plant Report 800241 HMA	_____	Tons / SY	_____	_____
_____	Plant Report 800241 HMA	_____	Tons / SY	_____	_____
_____	Plant Report 800241 HMA	_____	Tons / SY	_____	_____
_____	Plant Report 800241 HMA	_____	Tons / SY	_____	_____
_____	Plant Report 800241 HMA	_____	Tons / SY	_____	_____
_____	Plant Report 800241 HMA	_____	Tons / SY	_____	_____

Job Control Tests (Construction)

		<u>Form</u>	<u>Required</u>	<u>Reported</u>
Combined aggregate-gradation	1 Cert Test / Lot	800241	_____	_____
Monitor gradation tests (splits w / CPI)	1st day + 10%	201	_____	_____
Binder (DSR) Sample	1 / 80 Tons		_____	_____
Binder (DSR) Tests	1st 3 days - 1 / wk		_____	_____
Liquid asphalt Viscosity or Residue	1 per project		_____	_____
Lab density (QMA) No. of tests based on production		800241	_____	_____
Lab density (Non-QMA)	1 per lot		_____	_____
Compacted Mixture (Density, voids & thickness)	1 per lot	800241	_____	_____
Quality Index	1 per lot	800241	_____	_____
Filler bitumen ratio	1 per lot	800241	_____	_____
Smoothness Certified Test		821301	_____	_____

Verification Test --- Materials will furnish report(s)

Aggregate Quality	1 / 20,000 Tons of Mix		_____	_____
AC Binder	1 / 20,000 Tons of Mix		_____	_____
Uncompacted mixture (Lab Density/Voids)	1 / 20,000 Tons of Mix		_____	_____

Independent Assurance --- Materials will furnish report(s)

Compacted mixture (Lab Density/Voids)	1st day + 10%	800242	_____	_____
Smoothness	10% of project	821301	_____	_____

Comments: _____

Project Engineer Reviewed by: _____ Date: _____

District Materials Reviewed by: _____ Date: _____

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Construction and Materials Review

PORTLAND CEMENT CONCRETE PAVING & BASE REPAIR

Project No.: _____

Contract No.: _____

County: _____

Contractor: _____

<u>Contract Item No.</u>	<u>Mix Type</u>	<u>Final Quantity</u>	<u>Reported Quantity</u>
_____ Plant Report 800240	_____	_____	_____
_____ Plant Report 800240	_____	_____	_____
_____ Plant Report 800240	_____	_____	_____
_____ Plant Report 800240	_____	_____	_____
_____ Plant Report 800240	_____	_____	_____
_____ Plant Report 800240	_____	_____	_____

Refer to IM 204 for Acceptance of Materials

<u>Items</u>	<u>Basis of Acceptance</u>	<u>Approved Source</u>
Cement	Cert. / Approved Source	_____
GGBFS	Cert. / Approved Source	_____
Fly Ash Type _____	Cert. / Approved Source	_____
Fine Aggregate	Cert. / Approved Source	_____
Interm. Aggregate	Cert. / Approved Source	_____
Coarse Aggregate	Cert. / Approved Source	_____

<u>Contract Item No.</u>	<u>Items</u>	<u>Basis of Acceptance</u>	<u>Approved Brand &/or Batch #</u>
_____	Admixture-Air Entraining	Approved Brand	_____
_____	Admixture-Retarder	Approved Brand	_____
_____	Admixture-Water Reducer	Approved Brand	_____
_____	Curing Compound, White	Approved Brand/Batch #	_____
_____	Curing Compound, Clear	Approved Brand	_____
_____	Concrete Sealer	Approved Brand	_____
_____	Engineering Fabric	Approved Brand	_____
_____	Grout, Polymer	Approved Brand	_____
_____	Joint Filler, Flex Foam	Approved Brand	_____
_____	Type CF & EF	Approved Brand	_____

<u>Items</u>	<u>Basis of Acceptance</u>	<u>Units</u>	<u>Reported</u>
Reinforcing steel (dowels)	Mill certs, Epoxy Cert / Test Rpt	Lbs	_____
Reinforcing steel (tie bars)	Mill Cert	Lbs	_____
Dowel basket assemblies	Approved Source / Mill Cert, Epoxy Cert	Lbs	_____

Comments: _____

Project Engineer Reviewed by: _____ Date: _____

District Materials Reviewed by: _____ Date: _____

2005

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**Construction and Materials Review
PORTLAND CEMENT CONCRETE PAVING & BASE REPAIR**

Project No.: _____ Contract No.: _____

County: _____ Contractor: _____

Refer to IM 204 for Acceptance of Materials

Job Control Tests (Construction)

<u>Items</u>	<u>Basis of Acceptance</u>	<u>Form</u>	<u>Required</u>	<u>Reported</u>
Fine agg.- gradation process control	1 / lot	800240	_____	_____
Fine agg.- acceptance monitor grad.	1st lot, then 10%	200	_____	_____
Intermediate agg.- gradation process control	1 / lot	800240	_____	_____
Intermediate agg.- acceptance monitor grad	1st lot, then 10%	200	_____	_____
Coarse agg.- gradation process control	1 / lot	800240	_____	_____
Coarse agg.- acceptance monitor grad.	1st lot, then 10%	200	_____	_____
Air Test (Paving Only)	1 / 1000 CY or 1 / day	115	_____	_____
(Paving w / Transit mix)	1 / 1000 CY		_____	_____
(Base Repair Only)	2 / Half Day	115	_____	_____
Slump test (Fixed Form)	1 / 1000 CY or 1 / day	115	_____	_____
(Paving w / Transit mix)	1 / 100 CY or 1 / day	115	_____	_____
(Base Repair Only)	2 / Half Day	115	_____	_____
Flex. Strength beams	1 / 2000 CY or 2 / day	115	_____	_____
(designate maturity, maturity curves and verifications)			_____	_____
Thickness (hardened concrete)	1 / 2000 SY		_____	_____
Cement yield check	1 / 10000 CY	820912	_____	_____
Smoothness	Cert. Test	821301	_____	_____
Water (other than city)	Test Report 1 / Source		_____	_____

Verification Tests (Paving Only) --- Materials will furnish report(s)

			<u>Required</u>	<u>Reported</u>
Coarse aggregate - quality	1 / 100,000 SY		_____	_____
Cement	1 / 100,000 SY		_____	_____
Fly Ash ----- Type _____	1 / 100,000 SY		_____	_____
GGBFS	1 / 100,000 SY		_____	_____
Gradation (QMC Projects Only)	1 / Project		_____	_____
Reinforcing Steel	1 / District / Year		_____	_____
Reinforcing Steel, epoxy	1 / District / Year		_____	_____

Independent Assurance --- Materials will furnish report(s)

			<u>Required</u>	<u>Reported</u>
Thickness Cores	10% of project		_____	_____
Smoothness	10% of project	821301	_____	_____

Comments: _____

Project Engineer Reviewed by: _____ Date: _____

District Materials Reviewed by: _____ Date: _____

