

APPENDIX

Visual Inspection Items - Alphabetical

This list is intended as a quick reference, alphabetical by material name, for materials which normally require some form of testing but have VI quantities listed. It does not include materials which are accepted by VI basis only.

Visual Inspection Items - By Specification Number

This list is intended as a quick reference, by specification number for materials which normally require some form of testing but have VI quantities listed. It does not cover materials which are accepted on a VI basis only.

This Visual Inspection Items List is in accordance with the 2003 Standard Specification for Construction.

VISUAL INSPECTION ITEMS - Alphabetical

<u>MATERIAL</u>		<u>MAXIMUM V.I.</u>	
		<u>English</u>	<u>Metric</u>
Misc.	ABS Pipe	600 ft	183 m
919	Aluminum Sheet	100 sq ft	9 m ²
902	Aggregate, Coarse	100 tons	100 t
902	Aggregate, Dense-Graded	500 tons	500 t
902	Aggregate, Fine	100 tons	100 t
902	Aggregate, Open-Graded	100 tons	100 t
904	Asphalt Binder	30 tons	27,216 kg - 27 t
904	Asphalt Cement (WOA)	5 gal - 150 lbs	19 L
904	Asphalt, Liquid (RC-250)	5 gal - 150 lbs	19 L
905	Bar Reinforcement (all)	500 lbs	230 kg
914	Bituminous Fiber Joint Filler	150 sq ft	14 m ²
501	Bituminous Mixtures	500 tons/project/mix	454 tons/project/mix
914	Bolts for Structure Exp. Anchor	250 units	250 units
922	Calcium Chloride Solids	5000 lbs	2268 kg
922	Calcium Chloride Solutions	1000 gals	3785 L
Misc.	Cast & Ductile Iron Pipe	250 ft	76 m
901	Cement	50 tons	45,360 kg - 45 t
Misc.	Clay Pipe	10 pcs	10 pcs
913	Clay and Sand Lime Brick	1000 pcs	1000 pcs
913	Concrete Block	1000 units	1000 units
913	Concrete Brick	1000 pcs	1000 pcs
909	Concrete Pipe, Non-Reinforced	10 pcs	10 pcs
909	Concrete Pipe, Reinforced	5 pcs of 42 in dia or less	5 pcs of 1000 mm dia or less
909	Corrugated Galv. Steel Plates	10 plates	10 plates
909	Corrugated Aluminum Sheets	25 sheets	25 sheets
909	Corrugated Aluminum Alloy Pipe	250 ln ft	80 m
909	Corrugated Plastic Pipe	<12 in dia 250 ft	<300 mm dia - 76 m
		>12 in dia 100 ft	>300 mm dia - 30 m
909	Corrugated Plastic Pipe, Smooth	Same as CPP	Same as CPP
909	Corrugated Plastic Tubing	250 ft	76 m
909	Corrugated Steel Pipe	*	*
	12" - 300 mm or less	125 ln ft	38 m
	15" to 54" - 375 mm to 1350 mm	50 ln ft	15 m
	60" - 1500 mm or greater	25 ln ft	8 m
909	CSP for Underdrains	*	*
909	Corrugated Steel Sheets	*	*
	12" - 300 mm or less	125 ln ft	38 m
	15" to 54" - 375 mm to 1350 mm	50 ln ft	15 m
	60" - 1500 mm or greater	25 ln ft	8 m
909	Coupling Bands	5 pcs	5 pcs
914	Deformed Bars	500 lbs	227 kg
919	Delineator Posts, Steel	80 posts	80 posts
919	Delineator Reflectors	25 pcs each color	25 pcs each color
914	Dowel Bars	240 pcs	240 pcs
918	Electrical Conduit, Polyethylene	400 ln ft	122 m
918	Electrical Conduit, Rigid	400 ln ft	122 m
904	Emulsified Asphalt (Bond Coat)	1000 gals	3785 L
Misc.	Emulsified Asphalt (Tackifier)	500 gals	1514 L
914	Epoxy Binder	5 gals	19 L
Misc.	Fiberglass and Bit. Cotton Fabric	5 rolls	5 rolls
916	Geocomposite Wall Joint Drain	100 sq ft	10 m ²
910	Geotextile Blanket	400 sq yd	330 m ² *
910	Geotextile Liner/ Riprap	300 sq yd	300 m ² *
910	Geotextile Liner/Heavy Riprap	200 sq yd	200 m ² *
910	Geotextile Stabilizer/Separator	300 sq yd	300 m ² *
916	Geotextile Silt Fence	1000 ln ft	150 m
920	Glass Beads	500 lbs	227 kg

VISUAL INSPECTION ITEMS - Alphabetical

<u>MATERIAL</u>		<u>MAXIMUM V.I.</u>	
		<u>English</u>	<u>Metric</u>
902	Granular, Class I	100 tons	100 t
902	Granular, Class II (Subbase)	400 cu yd	400 m ³
902	Granular, Class II (Abutment b.f.)	100 cu yd	100 m ³
902	Granular, Class IIA	100 cu yd	100 m ³
902	Granular, Class III	400 cu yd	400 m ³
902	Granular, Class IIIA	100 cu yd	100 m ³
908	Guardrail Beam Elements	125 ln ft	38 m
908	Guardrail Posts, Steel	25 posts	25 posts
918	Handholes, Precast Concrete	10 pcs	10 pcs
903	Insulation Board, Polystyrene	30 sq yd	30 m ²
903	Interim Curing (Linseed Based)	55 gals	210 L
914	Joint Assemblies	Fabrication Inspection Required	
914	Joint Sealant, Hot Poured	100 lbs	45 kg
909	Mastic (Cold-Applied Joint Sealer)	10 gals	38 L
903	Membrane Curing Compound	200 gals	757 L
909	Metal End Sections	4 pcs	4 pcs
908	Metallic Waterstop	25 sq ft	2.3 m ²
902	Mineral Filler (Bit. Mixes)	10 tons	10 t
914	Neoprene Joint Seals	1000 ft	30 m
922	Paint (Traffic Paint)	55 gal each color	208 L each color (if not on QPL)
909	Polyethylene Pipe (Downspouts)	<12 in dia 250 ft	<300 mm dia - 76 m
		>12 in dia 100 ft	>300 mm dia - 30 m
903	Polystyrene Insulation Board	30 sq yds	30 m ²
913	Precast Concrete Bases and Sumps	10 pcs total	10 pcs total
918	Precast Concrete Handholes	10 pcs	10 pcs
909	Precast Concrete End Sections	10 pcs	10 pcs
913	Precast Units for Dr. Structures	10 pcs total	10 pcs total
909	PVC Pipe	600 ft	180 m
907	Rail for Braces (Chain Link)	300 ft	91 m
919	Reflective Sheeting	1 roll	1 roll
905	Reinforcement Steel	500 lbs	227 kg
917	Seed and Seeding Mixtures	100 lbs	45 kg
919	Sign Posts, Galvanized Steel	25 posts	25 posts
913	Slope Paving Blocks	1000 pcs	1000 pcs
909	Smooth Plastic Pipe for Underdrains	250 ft	76 m
907	Steel Chain Link Fence Fabric	260 ft	80 m
907	Steel Posts/Chain Link Fence	25 line, 15 gate posts	25 line, 15 gate posts
919	Steel Posts/Delineator	80 posts	80 posts
905	Steel Wire Fabric (Mesh)	500 sq yds	418 m ²
913	Structural Tile	1000 tiles	1000 tiles
907	Top Rail (Chain Link)	250 ft	80 m
907	Tension Wire	500 ft	150 m
914	Tie Bars	500 lbs	227 kg
912	Wood Fence Posts	25 posts	25 posts
912	Wood Guide, Guard and Mailbox	20 posts	20 posts
919	Wood Sign Posts	25 posts	25 posts

*See Remarks in Acceptance Requirements Section

VISUAL INSPECTION ITEMS – by Specification Number

<u>MATERIAL</u>		<u>MAXIMUM V.I.</u>	
		<u>English</u>	<u>Metric</u>
501	Bituminous Mixtures	500 tons/project/mix	453,600 kg - 454 tons/project/mix
901	Cement	45 tons	45,360 kg - 45 t
902	Coarse Aggregate	100 tons	100 t
902	Dense-Graded Aggregate	500 tons	500 t
902	Open-Graded Aggregate	100 tons	100 t
902	Granular, Class I	100 tons	100 t
902	Granular, Class II (Subbase)	400 cu yds	400 m ³
902	Granular, Class II (Abutment b.f.)	100 cu yds	100 m ³
902	Granular, Class IIA	100 cu yds	100 m ³
902	Granular, Class III	400 cu yds	400 m ³
902	Granular, Class IIIA	100 cu yds	100 m ³
902	Fine Aggregate	100 tons	100 t
902	Mineral Filler (Bit. Mixes)	10 tons	10 t
903	Membrane Curing Compound	200 gals	840 L
903	Interim Curing (Linseed Based)	55 gals	210 L
903	Polystyrene Insulation Board	30 sq yds	30 m ²
904	Asphalt Binder	30 tons	27,216 kg - 27 t
904	Asphalt Cement (WOA)	5 gals	19 L
904	Liquid Asphalt (RC-250)	5 gals	19 L
904	Emulsified Asphalt (Bond Coat)	1000 gals	3785 L
905	Bar Reinforcement (all)	500 lbs	230 kg
905	Steel Wire Fabric (Mesh)	500 sq yds	418 m ²
907	Steel Chain Link Fence Fabric	260 ft	80 m
907	Tension Wire	500 ft	150 m
907	Top Rail (Chain Link)	260 ft	80 m
907	Steel Posts/Chain Link Fence	25 line, 15 gate post s	25 line, 15 gate posts
907	Rail for Braces (Chain Link)	300 ft	91 m
908	Metallic Waterstop	25 sq ft	2.3 m ²
908	Guardrail Beam Elements	125 ft	38 m
908	Guardrail Posts, Steel	25 posts	25 posts
909	Reinforced Concrete Pipe	5 pcs of 42 in dia or less	5 pcs of 1000 mm dia or less
909	Non-Reinforced Concrete Pipe	10 pcs	10 pcs
909	Corrugated Steel Pipe	*	*
	12" - 300 mm or less	125 ln ft	38 m
	15" to 54" - 375 mm to 1350 mm	50 ln ft	15 m
	60" -1500 mm or greater	25 ln ft	8 m
909	Corrugated Steel Sheets	*	*
	12" - 300 mm or less	125 ln ft	38 m
	15" to 54" - 375 mm to 1350 mm	50 ln ft	15 m
	60" - 1500 mm or greater	25 ln ft	8 m
909	Metal End Sections	4 pcs	4 pcs
909	Coupling Bands	5 pcs	5 pcs
909	Corrugated Aluminum Sheets	25 sheets	25 sheets
909	Corrugated Aluminum Alloy Pipe	250 ln ft	80 m
909	Bit. Coated Steel Pipe	*	*
909	PVC Pipe	600 ln ft	180 m
909	Corrugated Plastic Pipe	<12 in dia - 250 ft	<300 mm dia - 76 m
		>12 in dia - 100 ft	>300 mm dia - 30 m
909	Smooth Lined Corrugated Plastic Pipe	Same as CPP	Same as CPP
909	Corrugated Galv. Steel Plates	10 plates	10 plates
909	Mastic (Cold-Applied Joint Sealer)	10 gals	38 L
909	Precast Concrete End Sections	10 pcs	10 pcs
909	CSP for Underdrains	*	*
909	Smooth Plastic Pipe for Underdrains	250 ln ft	76 m
909	Corrugated Plastic Tubing	250 ln ft	76 m
909	Polyethylene Pipe (Downspouts)	<12 in dia 250 ft	<300 mm dia - 76 m
		>12 in dia 100 ft	>300 mm dia - 30 m

VISUAL INSPECTION ITEMS – by Specification Number

<u>MATERIAL</u>		<u>MAXIMUM V.I.</u>	
		<u>English</u>	<u>Metric</u>
910	Geotextile Blanket	400 sq yd	330 m ² *
910	Geotextile Liner/Riprap	300 sq yd	300 m ² *
910	Geotextile Stabilizer/Separator	300 sq yd	300 m ² *
910	Geotextile Liner/Heavy Riprap	200 sq yd	200 m ² *
912	Wood Fence Posts	25 posts	25 posts
912	Wood Guide, Guard and Mailbox	25 posts	25 posts
913	Clay and Sand Lime Brick	1000 pcs	1000 pcs
913	Concrete Brick	1000 pcs	1000 pcs
913	Concrete Block	1000 units	1000 units
913	Precast Units for Dr. Structures	10 pcs total	10 pcs total
913	Precast Concrete Bases and Sumps	10 pcs total	10 pcs total
913	Structural Tile	100 tiles	1000 tiles
913	Slope Paving Blocks	1000 pcs	1000 pcs
914	Bituminized Fiber Joint Filler	150 sq ft	14 m ²
914	Hot Poured Joint Sealant	100 lbs	45 kg
914	Neoprene Joint Seals	100 ft	30 m
914	Epoxy Binder	5 gals	19 L
914	Dowel Bars	240 bars	240 bars
914	Joint Assemblies	Fabrication Inspection Required	
914	Deformed Bars	500 lbs	227 kg
914	Tie Bars	500 lbs	227 kg
914	Bolts for Structure Exp. Anchor	250 units	250 units
916	Geotextile Silt Fence	500 ft	150 m
916	Geocomposite Wall Joint Drain	100 sq ft	10 m ²
917	Seed and Seeding Mixtures	100 lbs	45 kg
918	Precast Concrete Handholes	10 pcs	10 pcs
918	Electrical Conduit, Polyethylene	400 ft	122 m
918	Electrical Conduit, Rigid	400 ft	122 m
919	Aluminum Sheet	100 sq ft	9 m ²
919	Reflective Sheeting	1 roll	1 roll
919	Delineator Reflectors	25 pcs each color	25 pcs each color
919	Steel Delineator Posts	80 posts	80 posts
919	Galvanized Steel Sign Posts	25 posts	25 posts
919	Wood Sign Posts	25 posts	25 posts
920	Glass Beads	500 lbs	27 kg
922	Paint (Traffic Paint)	55 gal each color	208 L each color (if not on QPL)
922	Calcium Chloride Solids	5000 lbs	2268 kg
922	Calcium Chloride Solutions	1000 gals	3785 L
Misc.	ABS Pipe	600 ln ft	180 m
Misc.	Clay Pipe	10 pcs	10 pcs
Misc.	Cast & Ductile Iron Pipe	250 ft	76 m
Misc.	Asphalt Emulsion (Tackifier)	500 gals	1514 L
Misc.	Fiberglass and Bit. Cotton Fabric	5 rolls	5 rolls

*See Remarks in Acceptance Requirements Section