

TYPE	TEST REQUIRED	METHOD	FREQUENCY
COMPACTION OF EARTHWORK	SHEEPS FOOT, PROOF ROLL, FIELD DENSITY	Sheep's Foot "Walks Out", Tandem Axle Dump Truck, 25 tons (50,000 lbs.) ,KT-13, KT-51	Both tests conducted with Construction Inspector present Required for sub grade for curbs and pavement 2 per day per lift when visual determination is not possible.
BACKFILL	VISUAL INSPECTION, FIELD DENSITY	Jumping Jack or Vibra-Plate Compactor, KT-13, KT-51	Maximum of 6 inch lifts – Continuous Inspection, 1 per structure minimum (each side)
MOISTURE, (MR-90, or MR-5)	MOISTURE TEST (AT ENGINEERS DISCRETION) VISUAL	KT-11, KT-51	2 per day per lift when visual determination is not possible.
SUBGRADE MODIFICATION	VISUAL INSPECTION	Visual	Continuous
COMPACTION, (AAA, AA, or A)	FIELD DENSITY, MOISTURE TESTS, PROOF ROLL	KT-11, KT-51 Tandem Axle Dump Truck, 25 tons (50,000 lbs.)	Engineer's Discretion
AGGREGATE BASE	SHEEPS FOOT, PROOF ROLL	Sheep's Foot "Walks Out", Tandem Axle Dump Truck, 25 tons (50,000 lbs.)	Both tests conducted with Construction Inspector present Required for sub grade for curbs and pavement
STABILIZED SHOULDERS	SHEEPS FOOT, PROOF ROLL	Sheep's Foot "Walks Out", Tandem Axle Dump Truck, 25 tons (50,000 lbs.)	Both tests conducted with Construction Inspector present Required for sub grade for curbs and pavement
EMBANKMENT	VISUAL INSPECTION		Engineer's Discretion
GRANULAR BASE	SHEEPS FOOT, PROOF ROLL	Sheep's Foot "Walks Out", Tandem Axle Dump Truck, 25 tons (50,000 lbs.)	Both tests conducted with Construction Inspector present Required for sub grade for

			curbs and pavement
CRUSHED STONE FOR BACKFILL	CERTIFICATE	Visual	Engineer's Discretion
SURFACE OR RESURFACING AGGREGATE	CERTIFICATE	NA	NA
FLY ASH FOR STABILIZATION AND COLD RECYCLE	MOISTURE TESTS, FIELD DENSITY TESTS AND GRADATIONS	KT-11, KT-51, KT-13, KT-2	Engineer's Discretion (See Fly Ash Specification)
TYPE	TEST REQUIRED	METHOD	FREQUENCY
CONCRETE PAVEMENT	SLUMP AIR CONTENT CYLINDERS MASS/YIELD PROFILOGRAPH	KT-21 KT-18, KT-19 or KT-20 KT-22 KT-20 KT-46	Minimum of 1 set per each half day and/or 4000 yd ² Type Inspection must equal "ACI" when recording for acceptance Type Inspection must equal "ACI" when recording for acceptance 1 set of 3 on initial pour. 1 set per pour and/or mix change Testing by Testing Lab, results reviewed by City Minimum of 1 in AM and 1 in PM during mixing operations See Standard Specifications Initially 1 complete transverse profile, thereafter 5 per day
CONCRETE BRICK PAVERS	CERTIFICATE	NA	Can be on Pre-Approved Material List
JOINT FILLER	CERTIFICATE	NA	NA
BITUMINOUS CONSTRUCTION, (PLANT MIX)	CERTIFICATE	NA	NA
BITUMINOUS MIXTURES	DENSITY, VOIDS, STABILITY, FLOW, GRADATION, ASPHALT	KT-14, KT-34 & KT-57	1 st test at 150 tons, then 1 test every 1000 tons, Minimum 1/lift/day (200 tons)

	CONTENT, VMA, VFA		
SLURRY SEAL	CERTIFICATE	NA	NA
BITUMINOUS SEAL	CERTIFICATE	NA	NA
PAINT	CERTIFICATE	NA	NA
REINFORCING STEEL BARS AND OTHER REINFORCING MATERIAL	DELIVERY TICKET	NA	NA

TYPE	TEST REQUIRED	METHOD	FREQUENCY
STONE FOR RIPRAP, WASH CHECKS & OTHER MISC. USES	CERTIFICATE	NA	NA
AGGREGATE FOR CONCRETE	CERTIFICATE	NA	NA
MASONRY STONE	CERTIFICATE	NA	NA
UNDERDRAIN AGGREGATE	CERTIFICATE	NA	NA
LIQUID MEMBRANE FORMING COMPOUNDS	CERTIFICATE	NA	NA
PORTLAND CEMENT, BLENDED HYDRAULIC CEMENT, FLY ASH FOR USE IN CONCRETE	KC METRO MATERIALS BOARD, (KCMMB)	KCMMB Requirements	Prior to Approval
INDIVIDUAL AGGREGATE	KC METRO MATERIALS BOARD, (KCMMB)	KCMMB Requirements	Prior to Approval
DRAINABLE BASE	SIEVE ANALYSIS OF AGGREGATE, (1% OF MASS)	KT-2	1 in AM and 1 in PM or each 500 Tons
EPOXY	CERTIFICATE	NA	Can be on Pre-Approved Material List
PRE-FORMED THERMO-PLASTIC	CERTIFICATE	NA	Can be on Pre-Approved Material List
THERMOPLASTIC	CERTIFICATE	NA	Can be on Pre-Approved Material List
THERMOPLASTIC SPRAY	CERTIFICATE	NA	Can be on Pre-Approved Material List
GLASS BEADS	CERTIFICATE	NA	NA
FLOWABLE FILL	CERTIFICATE	NA	Can be on Pre-Approved Material List
HDPE OR RC PIPE, ALL USES	CERTIFICATE	NA	Can be on Pre-Approved Material List
GUARD RAIL	CERTIFICATE	NA	NA
FERTILIZER, HERBICIDES	CERTIFICATE	NA	NA
BIOLOGICAL PLANTINGS	CERTIFICATE	NA	NA

TYPE	TEST REQUIRED	METHOD	FREQUENCY
SEED, TURF GRASSES	CERTIFICATE	NA	NA
SIGN BLANKS AND FACING	CERTIFICATE	NA	NA
ROLLED EROSION CONTROL PRODUCTS	CERTIFICATE	NA	Can be on Pre-Approved Material List
PARK BENCHES, PED. BRIDGES., PLAYGROUND EQUIP., OTHER PARK EQUIP.	CERTIFICATE	NA	NA
GABIONS, BIOGABIONS	CERTIFICATE	NA	NA
FENCING MATERIAL	CERTIFICATE	NA	NA
IRRIGATION MATERIALS	CERTIFICATE	NA	NA
AGGREGATES	CERTIFICATE	NA	NA
CRACK FILLING MATERIAL	CERTIFICATE	NA	NA
CRACK REPAIR MEMBRANE	CERTIFICATE	NA	NA
HANDICAP RAMP MARKING PANELS	CERTIFICATE	NA	NA
PRECAST CONCRETE BOX CULVERTS	CERTIFICATE	NA	NA
SANITARY SEWER LINES & SERVICE LINES	CERTIFICATE	NA	NA
LANDSCAPING PRODUCTS (INCL. BONDED FIBER MATRIX, HYDRO-SEEDING PRODUCTS, MULCHES, ETC.	CERTIFICATE	NA	NA
MISCELLANEOUS PRODUCTS (INCL. GEOCELLULAR CONFINEMENT PRODUCTS, MODULAR WALL PRODUCTS, MONUMENT BOXES, PROJECT SIGNS, ETC.	CERTIFICATE (CERT. Hereafter)	NA	NA
SOIL SAMPLE FOR SOIL AMENDMENTS	NITROGEN, POTASSIUM, PHOSPHORUS CONTENT—ASTM	PERTINENT ASTM/AASHTO TEST	PRIOR TO ADDING FERTILIZER UNDER DRIP LINE OF TREES.
OTHER MATERIALS NOT LISTED ABOVE	CERT., OR AS SPECIFIED BY ENGR.	NA	NA