

**SAMPLING AND TESTING GUIDE FOR ACCEPTANCE AND VERIFICATION**

MATERIALS/TESTS	ITEM NO. (See Note 5)	ACCEPTANCE SAMPLING & TESTING	SAMPLING & TESTING FOR SMALL QUANTITIES	VERIFICATION SAMPLING & TESTING (See Note 4)	SAMPLE LOCATION	SAMPLE SIZE	REMARKS
<b>01. CONCRETE (PAVEMENT, STRUCTURAL AND MISCELLANEOUS)</b>							
A. Cement (See Note 1)	701	Certificate of Compliance. Check samples of 1 for approximately every 5,000 yd <sup>3</sup> of concrete placed or as required for control	If concrete is used for incidental construction, Certificate of Compliance	N/A	Weigh hopper or in the feed line immediately in advance of the hopper	Approximately 30 lbs.	
B. Aggregate (See Note 1)	703.01						
(1) Fine & Coarse Aggregate	703.02						
(a) Gradation		1 for approximately every month or 1,000 yd <sup>3</sup> of concrete placed or as required for control	(See Note 2)	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	(See Note 3)	Approximately 50 lbs. (C.A.) 10 lbs. (F.A.)	
(b) Specific Gravity		When aggregate changed or as required for source information	N/A	N/A	(See Note 3)	Approximately 10 lbs. (C.A.) 5 lbs. (F.A.)	
(c) Moisture		As required for information	N/A	N/A	(See Note 3)	5 lbs. (C.A.)	
(2) Coarse Aggregate							
(a) Clay Lumps and Friable Particles; L.A. Abrasion; and Flat and Elongated Pieces		When aggregate changed or approximately once a year	N/A	N/A	(See Note 3)	Approximately 200 lbs.	
(3) Fine Aggregate							
(a) Sand Equivalent							
		If required, 1 for approximately every month or 3,000 yd <sup>3</sup> of concrete placed or as required for control	(See Note 2)	When required, 1 per 5,000 yd <sup>3</sup>	(See Note 3)	Approximately 2 lbs.	
(b) Clay Lumps and Friable Particles; Organic Impurities; and L.A. Abrasion on Parent Material for Manufactured Fines Only		When aggregate changed or approximately once a year	N/A	N/A	(See Note 3)	Approximately 50 lbs.	
(c) Complete		When new source is proposed for use or when aggregate changed	N/A	N/A	Stockpile / (See Note 3)	Approximately 200 lbs. (C.A.) 100 lbs. (F.A.)	
C. Water (See Note 1)	712.01	1 per source. (Obviously suitable source as drinking water requires no sampling)	N/A	N/A	At point of use	Approximately 3 gals. - Use glass or plastic jugs w/ lined sealed lids	

MATERIALS/TESTS	ITEM NO. (See Note 5)	ACCEPTANCE SAMPLING & TESTING	SAMPLING & TESTING FOR SMALL QUANTITIES	VERIFICATION SAMPLING & TESTING (See Note 4)	SAMPLE LOCATION	SAMPLE SIZE	REMARKS
<b>01. CONCRETE (PAVEMENT, STRUCTURAL AND MISCELLANEOUS) CONT'D</b>							
D. Admixture	711	When admixture is initially used in state work, Certificate of Compliance with test results	If previously used in other state work, Certificate of Compliance	N/A			
E. Concrete Mixture - Pavements	411						
(1) Compressive Strength (28 days, 7days), when required by Central Laboratory	601	1 set for approximately 300 yd <sup>3</sup> of concrete placed for concrete specified by class; 1 set for each 150 yd <sup>3</sup> and fractional thereof placed on any day or as required for acceptance for concrete specified by strength	1 set per day of pour	1 per project	At point concrete deposited in the work	1 set of 2 - 6"x12" cylinders for each test age	
(2) Flexural Strength		1 set per half day or as required for control	1 set per half day of pour or as required for control	1 per project	At point concrete deposited in the work	1 set of 2 - 6"x6"x21" beams for each test age	
(3) Yield, Cement Factor, and Unit Weight (See Note 1)		As necessary to assure accuracy of mix design or as necessary for control. When yield test used for payment, 1 per project		When yield test used for payment, 1 per project	At point concrete deposited in the work		
(4) Slump Test		When test specimen are fabricated or when consistency or uniformity is questionable	When test specimen are fabricated or when consistency or uniformity is questionable	1 per project (Observation)	At point concrete deposited in the work		
(5) Entrained Air		When entrained air is specified, 1 approximately every 300 yd <sup>3</sup> or as necessary for control or as required for control.	N/A	When entrained air is specified, 1 per project	At point concrete deposited in the work		
F. Concrete Mixture - Bridges & Major Structures (R.C.B., P.C.C., Arch Culverts, & Retaining Walls)	503 504 507 508 511 601						
(1) Compressive Strength (28 days, 7 days)		1 set for approximately 300 yd <sup>3</sup> of concrete placed for concrete specified by class; 1 set for each 150 yd <sup>3</sup> and fractional thereof placed on any day or as required for acceptance for concrete specified by strength	1 set per day of pour	1 per project	At point concrete deposited in the work	1 set of 2 - 6"x12" cylinders for each test age	

MATERIALS/TESTS	ITEM NO. (See Note 5)	ACCEPTANCE SAMPLING & TESTING	SAMPLING & TESTING FOR SMALL QUANTITIES	VERIFICATION SAMPLING & TESTING (See Note 4)	SAMPLE LOCATION	SAMPLE SIZE	REMARKS
<b>01. CONCRETE (PAVEMENT, STRUCTURAL AND MISCELLANEOUS) CONT'D</b>							
(2) Yield, Cement Factor, and Unit Weight (See Note 1)	503	As necessary to assure accuracy of mix design or as necessary for control. When yield test used for payment, 1 per project	N/A	When yield test used for payment, 1 per project	At point concrete deposited in the work		
	504						
	507						
	508						
(3) Slump Test	511	When test specimen fabricated or when consistency or uniformity is questionable	When test specimen are fabricated or when consistency or uniformity is questionable	1 per project (Observation)	At point concrete deposited in the work		
	601						
		If entrained air is specified, 1 approximately every 300 yd <sup>3</sup> or as necessary for control or as required for control	N/A	When entrained air is specified, 1 per project	At point concrete deposited in the work.		
G. Concrete Mixture - Miscellaneous Concrete (Concrete for Incidental Construction)	601						
	604						
	607						
	608						
	609						
	610						
	621	1 set for each day when volume exceeds 25 yd <sup>3</sup> or as required for acceptance for concrete specified by strength	If concrete is less than 25 yd <sup>3</sup> , 1 per accumulative 100 yd <sup>3</sup> . None if total days run less than 25 yd <sup>3</sup>	1 per project. When total days run less than 25 yd <sup>3</sup> , none	At point concrete deposited in the work	1 set of 2 - 6"x12" cylinders for each test age	
	622						
	623						
	640						
(2) Yield, Cement Factor, and Unit Weight (See Note 1)		As necessary to assure accuracy of mix design or as necessary for control.	N/A	If yield test used for payment, one (1) per project	At point concrete deposited in the work		
		When test specimen are fabricated or when consistency or uniformity is questionable	N/A	1 per project (Observation)	At point concrete deposited in the work		
(3) Slump Test		When entrained air is specified, 1 approximately every 300 yd <sup>3</sup> or as required for control	N/A	When entrained air is specified, 1 per project	At point concrete deposited in the work		

MATERIALS/TESTS	ITEM NO. (See Note 5)	ACCEPTANCE SAMPLING & TESTING	SAMPLING & TESTING FOR SMALL QUANTITIES	VERIFICATION SAMPLING & TESTING (See Note 4)	SAMPLE LOCATION	SAMPLE SIZE	REMARKS
<b>02. CEMENT TREATED PERMEABLE BASE</b>	309						
A. Cement (See Note 1)	701	Accepted by manufacturer's or supplier's Certificate of Compliance supplemented with check testing. Check sample for approximately every 5,000 yd <sup>3</sup> of concrete placed or as required for control	N/A	N/A	Weigh hopper or in the feed line immediately in advance of the hopper.	30 lbs.	
B. Aggregate (See Note 1)	703.02	1 per day or as required for control	N/A	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	(See Note 3)	Approximately 250 lbs.	
<b>03. ASPHALT CONCRETE</b>	401, 402						
A. Asphalt Binder	702.01	1 per source, approximately every 6 months	If less than 250 tons of asphalt concrete per project, Certificate of Compliance with test results	1 per project minimum	Plant line	2 qts.	
B. Aggregate	703.09						
(1) Gradation		1 per approximately every 1,000 tons of asphalt concrete	If less than 150 tons per project, visual inspection	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Plant conveyor belt, stockpile, or ignition oven	Approximately 10 lbs.	
(2) Sand Equivalent		1 per approximately every 2,500 tons of asphalt concrete	If less than 150 tons per project, none	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Plant conveyor belt or stockpile	Approximately 10 lbs.	
(3) Los Angeles Abrasion, Flat & Elongated Pieces, Absorption		1 per year per source, minimum	N/A	1 per year per source	Plant conveyor belt or stockpile	Approximately 30 lbs.	
(4) Complete Aggregate Test		When new source is proposed for use or when aggregate changed	N/A	When new source is proposed for use or when aggregate changed	Plant conveyor belt/ stockpile	Approximately 200 lbs.	
C. Uncompacted AC Mixture For Specific Gravity	401 402	1 per approximately every 500 tons of asphalt concrete, minimum 1 per day	If less than 150 tons per project, none.	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Jobsite - From paver at auger	Approximately 7 lbs.	
D. Uncompacted AC Mixture For Asphalt Content & Design Check	402	1 per approximately every 7,500 tons of asphalt concrete	If less than 150 tons per project, none	1 per project minimum	Plant - Off truck bed	Approximately 40 lbs.	
E. Compacted AC Cores	401 402	1 per approximately every 250 tons of asphalt concrete, minimum 3 per day	If less than 150 tons per project, none.	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Jobsite - Pavement	Approximately 4 in. diameter cores	

MATERIALS/TESTS	ITEM NO. (See Note 5)	ACCEPTANCE SAMPLING & TESTING	SAMPLING & TESTING QUANTITIES	VERIFICATION SAMPLING & TESTING (See Note 4)	SAMPLE LOCATION	SAMPLE SIZE	REMARKS
<b>04. PLANT MIX GLASSPHALT CONCRETE BASE COURSE</b>							
<b>05. TACK COAT</b>	312	Same as Asphalt Concrete					
	407	1 per source, approximately every 3 months	If less than 250 tons of asphalt concrete per project, Certificate of Compliance with test results	1 per project minimum	Supplier's Plant - Storage tank before dilution	1 gal.	
<b>06. SLURRY SEAL</b>							
A. Asphalt Emulsion	702.04	1 per project	If less than 500 gals. per project, Certificate of Compliance with test results	1 per project minimum	Storage tank at jobsite	2 gals	
B. Aggregate	703.11						
(1) Gradation		1 per approximately every 20,000 yd <sup>2</sup> slurry seal	If less than 2,500 yd <sup>2</sup> per project, visual inspection.	1 per project minimum	Jobsite	Approximately 10 lbs.	
(2) Sand Equivalent		1 per approximately every 50,000 yd <sup>2</sup> slurry seal	If less than 2,500 yd <sup>2</sup> per project, none	1 per project minimum	Jobsite	Approximately 5 lbs.	
<b>07. CUT SUBGRADE</b>	203						
A. Gradation, Sand Equivalent, Proctor	203	1 per soil type	If less than 2500 ft <sup>2</sup> , Certificate of Compliance	1 per project	Jobsite - On roadbed	250 lbs	
B. Compaction (See Note 6)		1 per soil type per lift per 500 lin. ft. per lane	If less than 2500 ft <sup>2</sup> , visual inspection	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Jobsite - On roadbed	N/A	
<b>08. EMBANKMENT FILLS &amp; IMPORT BORROW</b>	203						
A. Gradation, Sand Equivalent, Proctor	203	1 per soil type, approximately every 1,500 yd <sup>3</sup>	If less than 250 yd <sup>3</sup> , Certificate of Compliance	1 per project	Jobsite - On roadbed	250 lbs	
B. Compaction Below 2.5 ft. (See Note 6)		1 per lift per 1,000 yd <sup>2</sup>	If less than 1,000 yd <sup>2</sup> , visual inspection	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Jobsite - On roadbed	N/A	
C. Compaction Above 2.5 ft. (See Note 6)		1 per lift per 500 lin. ft. per lane	If less than 500 lin. ft. per lane, visual inspection	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Jobsite - On roadbed	N/A	

MATERIALS/TESTS	ITEM NO. (See Note 5)	ACCEPTANCE SAMPLING & TESTING	SAMPLING & TESTING FOR SMALL QUANTITIES	VERIFICATION SAMPLING & TESTING (See Note 4)	SAMPLE LOCATION	SAMPLE SIZE	REMARKS
<b>09. STRUCTURAL BACKFILL</b>							
A. Gradation, Sand Equivalent, Proctor	206	1 per approximately every 1,500 yd <sup>3</sup> per type	If less than 250 yd <sup>3</sup> of type B backfill, Certificate of Compliance. N/A for Type A backfill	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Jobsite - On roadbed	250 lbs.	
B. Compaction (See Note 6)	206	1 per lift per 500 ft <sup>2</sup>	If less than 500 ft <sup>2</sup> per use for type B backfill, none. N/A for type A backfill	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Jobsite - On roadbed	N/A	
<b>10. TRENCH BACKFILL (INCLUDING BED COURSE)</b>							
A. Gradation, Sand Equivalent, Proctor, Resistivity & pH as Required	703.21	1 per approximately every 1,500 yd <sup>3</sup> per type	If less than 100 yd <sup>3</sup> traffic area, or if less than 250 yd <sup>3</sup> non-traffic area, Certificate of Compliance	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Jobsite - On roadbed	250 lbs.	
B. Compaction (See Note 6)	206	1 per lift per 300 lin. ft	1 per traffic crossing per lift. If less than 300 lin. ft. for other areas, visual inspection	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Jobsite - On roadbed	N/A	
<b>11. AGGREGATE BASE COURSE</b>							
A. L.A. Abrasion, Plasticity Index, Flat & Elongated Pieces, Crushed Particles	703.06	1 per material source	If less than 250 yd <sup>3</sup> (or 300 tons) per project, Certificate of Compliance	1 per material source	Jobsite - On roadbed	100 lbs.	
B. Gradation, Sand Equivalent, Proctor	703.06	1 per approximately every 1,500 yd <sup>3</sup> (or 2,000 tons) per material type but not less than 1	If less than 250 yd <sup>3</sup> (or 300 tons) per project, Certificate of Compliance	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Jobsite - On roadbed	250 lbs.	
C. Compaction (See Note 6)	304	1 per lift per 1,000 ft <sup>2</sup>	If less than 1,000 ft <sup>2</sup> per project, visual inspection	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Jobsite - On roadbed	N/A	

MATERIALS/TESTS	ITEM NO. (See Note 5)	ACCEPTANCE SAMPLING & TESTING	SAMPLING & TESTING FOR SMALL QUANTITIES	VERIFICATION SAMPLING & TESTING (See Note 4)	SAMPLE LOCATION	SAMPLE SIZE	REMARKS
<b>12. AGGREGATE SUBBASE</b>							
A. Plasticity Index Gradation, Sand Equivalent, Proctor	305 703.17	1 per approximately every 1,500 yd <sup>3</sup> (or 2,000 tons), but not less than 1	If less than 250 yd <sup>3</sup> (or 300 tons) per project, Certificate of Compliance	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Jobsite - On roadbed	250 lbs.	
B. Compaction (See Note 6)	305	1 per lift per 1,000 ft <sup>2</sup>	If less than 1,000 ft <sup>2</sup> per lift per project, visual inspection	1 to 1 for first 5 acceptance tests, 1 per 10 thereafter	Jobsite - On roadbed	N/A	
<b>13. UNTREATED PERMEABLE BASE</b>							
A. Primer For Permeable Base Course	420 702.04	1 per source, approximately every 3 months (See Note 1)	If less than 500 gals. per project, Certificate of Compliance with test results	1 per project minimum	Storage tank before dilution	1 gal.	
B. Coarse Aggregate and Filler	703.04						
(1) Gradation, L.A. Abrasion, Flat & Elongated Pieces							
(2) Gradation							
<b>14. PAVING FABRIC</b>							
A. Asphalt Binder	412 702.01	Certificate of Compliance with test results (See note 1)	N/A	N/A			
B. Paving Fabric	716.04	Certificate of Compliance and Certified test results	N/A	N/A			
<b>15. UNDERDRAINS</b>							
A. Perforated/Unperforated Pipe	605 706.12	Certificate of Compliance	N/A	N/A			
B. Permeable Separator	716.03	Certificate of Compliance	N/A	N/A			
C. Crushed Rock							
(1) Gradation, L.A. Abrasion	605 703.04	1 per 3,000 tons	If less than 500 tons per project, Certificate of Compliance	1 per project	Jobsite - On roadbed	150 lbs.	
<b>16. CURING COMPOUND</b>							
	411, 503 711.01	Certificate of Compliance	N/A	N/A			
<b>17. JOINT FILLER</b>							
	411, 503 705.01	Certificate of Compliance	N/A	1 per project		1 ft. x 2 ft.	
<b>18. JOINT SEALER</b>							
	411, 503 705.04	Certificate of Compliance with test results	N/A	N/A			

MATERIALS/TESTS	ITEM NO. (See Note 5)	ACCEPTANCE SAMPLING & TESTING	SAMPLING & TESTING FOR SMALL QUANTITIES	VERIFICATION SAMPLING & TESTING (See Note 4)	SAMPLE LOCATION	SAMPLE SIZE	REMARKS
19. WATERPROOFING ASPHALT	503	Certificate of Compliance with test results	N/A	N/A			
	705.06	Certificate of Compliance with test results	N/A	N/A			
20. WATERPROOFING PRIMER	503	Certificate of Compliance with test results	N/A	N/A			
	705.06	Certificate of Compliance with test results	N/A	N/A			
21. ASPHALT SATURATED FABRIC	503	Certificate of Compliance with test results	N/A	N/A			
	705.06	Certificate of Compliance with test results	N/A	N/A			
22. TRAFFIC PAINT	629	Certificate of Compliance with test results	N/A	N/A			
	755.01	Certificate of Compliance	N/A	N/A			
23. RUBBER STOP	503	Certificate of Compliance	N/A	N/A			
	705.07	Certificate of Compliance and Certified test results	N/A	N/A			
24. METAL GUARDRAIL	606	Certificate of Compliance and Certified test results	N/A	N/A			
	710.04	Certificate of Compliance and Certified test results	N/A	N/A			
25. GUARDRAIL HARDWARE	710.08	Certificate of Compliance and Certified test results	N/A	N/A			
	507	Certificate of Compliance and Certified test results	N/A	N/A			
26. BRIDGE RAILINGS AND POST	710.09, 710.10	Certificate of Compliance and Certified test results	N/A	N/A			
	503	Certificate of Compliance and Certified test results	N/A	N/A			
27. NEOPRENE BEARING PAD	712.09	Certificate of Compliance	N/A	N/A			
	625, 706.08	Certificate of Compliance	N/A	N/A			
28. VITRIFIED CLAY PIPE	606	Certificate of Compliance and Certified test results	N/A	N/A			
	710.06	Certificate of Compliance and Certified test results	N/A	N/A			
29. REINFORCED CONCRETE GUARDRAIL POST	629	Certificate of Compliance with per batch	If less than 1,000 markers per project, Certificate of Compliance with Certified test results	1 for every 10,000 or less or 1 per batch	Jobsite or source	10 for non-reflective markers and 6 for reflective markers	
	755.02	Certificate of Compliance	N/A	N/A			
30. PAVEMENT MARKERS	629	Certificate of Compliance	N/A	N/A			
	755.03	1 per lot	If less than 1,000 markers per project, Certificate of Compliance with test results	1 per project minimum		1/2 box per lot	
31. PAVEMENT MARKER EPOXY ADHESIVE	629	Certificate of Compliance and Certified test results	N/A	N/A			
	755.03	Certificate of Compliance and Certified test results	N/A	N/A			
32. PLASTIC CONDUIT	622	Certificate of Compliance and Certified test results	N/A	N/A			
	712.27	Certificate of Compliance and Certified test results	N/A	N/A			
33. METAL CONDUIT	619, 641	Certificate of Compliance and seed specifications	N/A	N/A			
	622, 760.04	Certificate of Compliance and manufacturer's specifications	N/A	N/A			
A. Steel Conduit		Certificate of Compliance and Certified test results	N/A	N/A			
B. Liquid-tight Flexible Metal Conduit and Fittings		Certificate of Compliance and Certified test results	N/A	N/A			
C. Rigid Steel Conduit PVC Coated		Certificate of Compliance and Certified test results	N/A	N/A			
35. SEED		Certificate of Compliance and seed specifications	N/A	N/A			
36. ELECTRICAL CONDUCTOR		Certificate of Compliance and manufacturer's specifications	N/A	N/A			



MATERIALS/TESTS	ITEM NO. (See Note 5)	ACCEPTANCE SAMPLING & TESTING	SAMPLING & TESTING FOR SMALL QUANTITIES	VERIFICATION SAMPLING & TESTING (See Note 4)	SAMPLE LOCATION	SAMPLE SIZE	REMARKS
<b>37. GEOSYNTHETICS</b>	412, 605 648, 716	Certificate of Compliance	N/A				
<b>38. THERMOPLASTIC</b>	629 755.05	Certificate of Compliance with test results	N/A	N/A			
<b>39. PAVEMENT MARKING TAPE</b>	629 755.04	Certificate of Compliance with test results	N/A	N/A			
<b>40. WOVEN FENCE</b>	607 710.02	Certificate of Compliance and Certified test results	N/A	N/A			
<b>41. PLANTING SOIL</b>	617						
A. Designation (USDA Classification)		1 per source of planting soil	If less than 1,000 ft <sup>2</sup> , visual inspection	N/A	Jobsite	50 lbs.	
<b>42. PRESERVATIVES FOR TIMBER</b>	502 714.02	Certificate of Compliance and manufacturer's specifications	N/A	N/A			
<b>43. CONCRETE PIPE</b>	603 706.02 706.17	1 joint length for approximately every 50 joint lengths for 3 edge bearing load test. Inspected at plant and released by Central laboratory	If less than 100 lin. ft. per project, Certificate of Compliance		Strength tests usually performed at plant		
<b>44. CORRUGATED METAL PIPE</b>	603 707.02 707.03	Visual, accepted by manufacturer's or supplier's Certificate of Compliance. Inspected at plant and released by Central Laboratory		N/A	At fabrication point or at time of use		
<b>45. REINFORCING STEEL</b>	504 602 610 709.01	Sample each size for each brand and additional samples as necessary. Approved together with fabricator's certified analysis	If less than 200 lbs. per project, Certificate of Compliance		Jobsite or source	3 specimen 36" long	
<b>46. WIRE MESH REINFORCEMENT</b>	602 709.01	Each 10 tons or fraction thereof	If less than 200 lbs. per project, Certificate of Compliance		Jobsite	3 feet x 3 feet	
<b>47. WIRE ROPE OR CABLE</b>	709.02	Certificate of Compliance with Certified test results and 1 sample per type per lot	1 set per project	1 set per project	Jobsite	2 strands 4-1/2 ft. long	
<b>48. STRUCTURAL PLATE ARCHES</b>	707.08	Certificate of Compliance		N/A			
<b>49. PRE-STRESSED STRANDS</b>	504 709.03	Certificate of Compliance with Certified test results and 1 sample per type per lot	1 set per project	1 set per project	Jobsite	2 strands 4-1/2 ft. long	
<b>50. STEEL PRODUCTS</b>	602.02	Certificate of Compliance and Certified test results	N/A	N/A			
<b>51. BARB WIRE</b>	607 710.01	Certificate of Compliance	N/A	N/A			
<b>52. BOLTS &amp; HARDWARE</b>	713.01 713.03 713.04	Certificate of Compliance and Certified test results	N/A	N/A			
<b>53. BRICK</b>	704	Certificate of Compliance	N/A	N/A			

MATERIALS/TESTS	ITEM NO. (See Note 5)	ACCEPTANCE SAMPLING & TESTING	SAMPLING & TESTING FOR SMALL QUANTITIES	VERIFICATION SAMPLING & TESTING (See Note 4)	SAMPLE LOCATION	SAMPLE SIZE	REMARKS
54. CHAIN LINK FENCE	607 710.03						
A. Fabric		Certificate of Compliance with Certified test results and 1 sample per lot or per project	If less than 200 ft <sup>2</sup> per project, Certificate of Compliance with Certified test results	1 sample per project or 1 sample per lot	Jobsite	3 ft. length, full height	
B. Posts		Certificate of Compliance with Certified test results and 1 sample per lot or per project	If less than 30 lin. ft. per project, Certificate of Compliance with Certified test results	1 sample per project or 1 sample per lot	Jobsite	12 inch length each end	
C. Tension Wire		Certificate of Compliance with Certified test results and 1 sample per lot or per project	If less than 100 lin. ft. per project, Certificate of Compliance with Certified test results	1 per sample per project or 1 sample per lot	Jobsite	3 ft. length	
D. Tie Wire		Certificate of Compliance with Certified Test results and 1 sample per lot or per project	If less than 25 lbs. per project, Certificate of Compliance with Certified test results	1 sample per project or 1 sample per lot	Jobsite	3 ft. length	
E. Fittings		Certificate of Compliance with Certified test results	N/A	N/A			

- Note 1: Not required if the same source is being used on other projects and test is being made. Not necessary to duplicate the test for the sake of the record. The actual test results may be used anywhere they are applicable. (Established Source with Acceptable Quality Control/System Basis)
- Note 2: When gradation is being determined by a qualified plant technician at the plant, the guide schedule for gradation and sand equivalent as sampled by the plant inspector may be reduced to approximately 1/5. However, the schedule should be supplemented with the contractor's quality control results.
- Note 3: One of the following locations listed in order of preference: (a) Belt from weigh hopper to central or transit mixer; (b) Belt which feeds batch plant bins immediately preceding the weigh hopper, (c) Discharge gate of weigh hopper, (d) Discharge gates of bins feeding the weigh hopper at the batch plant. The location and method of sampling are to be determined and agreed upon by the Engineer and the Contractor. Once selected, the location and method of sampling are not to be changed during the life of the project, or so long as there is no change in Plant's configuration or operation.
- Note 4: When the Contractor Quality Control (QC) test data is utilized by HDOT or its designated agent in the acceptance determination, HDOT or its designated agent shall perform verification sampling and testing. The Contractor's QC sampling and testing frequency shall not be less than the acceptance sampling and testing frequency. The verification testing by HDOT or its agent should be performed at a frequency of 1 to 1 for the first 5 QC tests, and not less than 10 percent of the acceptance frequency in the quality assurance plan thereafter. If statistical comparisons of the QC test data against HDOT or its agent's test data indicates dissimilarity, the verification sampling and testing frequency should revert back to 1 to 1.
- Note 5: Item Nos. shown are the common references encountered in most construction projects. For unusual items, consult the Materials Testing & Research Branch.
- Note 6: The field compaction testing frequency for soils and aggregate materials is provided as a preliminary guide and should be project specific, finalized and documented by the Resident Engineer. If necessary, consult the HDOT project Geotechnical Engineer or Materials Testing and Research Branch for the recommended testing frequency.