

**\*\*\*GENERAL REWRITE – PLEASE READ CAREFULLY.\*\*\***

**IOWA DOT INSPECTION COSTS**

<u>Function Description</u>	<u>No. of Tests in 2007</u>	<u>2008 Avg. Cost Per Test</u>
<b>Aggregate</b>		
853 Certified Aggregate	5,147	165.98
856 Freeze - Thaw Tests	906	93.41
857 Abrasion Test	1,505	50.24
858 Coarse Aggregate Specific Gravity & Absorption	1,429	20.03
859 Fine Aggregate Specific Gravity & Absorption	388	31.29
860 Sieve Analysis & Plasticity Index	1,332	80.73
861 Deleterious Material Determination	1,291	11.45
862 AC Aggregate Specific Gravity & Absorption	90	142.87
863 Aggregate Miscellaneous	159	76.29
<b>Asphalt Materials</b>		
841 Materials Lab QMA	55	245.63
865 AC Binder Analysis (SHRP)	195	431.78
866 DSR or Penetration or Viscosity	553	48.38
867 Liquid Asphalt Complete Analysis	0	241.12
868 Liquid Asphalt Partial Analysis	132	79.51
870 Asphalt Type Joint	8	932.38
872 Asphalt Mix Lab Density	1,601	68.24
873 Asphalt Mix Max. Density	1,371	52.34
874 Asphalt Mix Extraction & Gradation	50	777.65
875 Asphalt Mix Stability	0	54.73
876 Asphalt Mix Special	4	1,338.38
877 Asphalt Mix Design	22	644.59
878 Asphalt Plant Calibration & Inspection	60	1,215.15
<b>Cement</b>		
882 Physical Cement Test	402	232.80
883 Fine Aggregate Mortar Strength	90	170.33
884 Lime - Fly Ash Physical Test	145	135.11
885 Miscellaneous	30	233.01
<b>Chemical</b>		
887 Concrete - Soil Chloride Determination	79	56.15
890 Lime - Fly Ash	152	83.60
891 Portland Cement	74	165.49
892 Calcium & Sodium Chloride & Deicers	0	100.21
893 Aggregate – Aluminum Oxide	1,229	48.10
894 Concrete Admixtures	320	79.21
895 Air Entraining Admixture	274	72.41
897 Miscellaneous Chemical Analysis	0	285.79

<u>Function Description</u>	<u>No. of Tests in 2007</u>	<u>2008 Avg. Cost Per Test</u>
<b>Concrete</b>		
840 Flowable Mortar	18	250.95
900 Coring, Strength & Air	164	46.53
901 Concrete Admixture Physical Test	0	0.00
902 Concrete Durability	4	1,198.81
903 Concrete Coring	150	171.91
904 Precast Bridge Beams	499	152.42
905 Precast Piling	83	16.25
906 Miscellaneous Precast Units	541	88.45
907 Concrete & Clay Pipe	119	216.07
908 Concrete Coating & Seal	0	79.75
909 Concrete Miscellaneous	279	607.34
910 Concrete Plant Calibration - Inspection	434	240.52
<b>Field Testing</b>		
898 Asbestos S & T	991	66.80
918 Concrete - Clay Pipe Tests	0	15.84
919 Pile Bearing Tests	0	0.00
921 Steel Cover Determination	0	0.00
922 Nuclear Test Materials & Construction	15	332.55
923 Profile Measurement (Bridge Decks)	44	384.13
924 Delamination Tests	0	0.00
<b>Lighting &amp; Signal</b>		
930 Lighting Materials	56	309.32
931 Standard Light Poles	20	182.80
932 Tower Light Poles	0	0.00
933 Signal Materials	59	248.72
<b>Metals</b>		
934 Calibration of Tension & Compression Testers	22	358.20
936 Physical Test Structural Steel- Aluminum	15	497.82
937 Reinforcing Steel	317	191.57
938 Prestress Cables	179	169.14
939 Casting	20	255.50
940 Guardrail Cable, Rails & ACC	34	208.39
941 Calibration of Beam Breakers	0	90.34
942 Fence Material	97	137.08
943 Weld Tests Operator	139	298.60
944 Weld Test Fill Metal	0	165.17
945 Fasteners High Strength	590	35.17
946 Fasteners Miscellaneous	684	26.48
947 Steel & Aluminum Fabrication	5,315	101.94
948 Signing Materials	0	72.43
950 Metal Pipe & Access	36	49.86
951 Radiograph Exams	1,699	4.53
952 Miscellaneous Metals Testing	160	76.26

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<b><u>Function Description</u></b>	<b><u>No. of Tests in 2007</u></b>	<b><u>2008 Avg. Cost Per Test</u></b>
<b>Pavement Evaluation</b>		
955 Pavement Ride Testing	51	183.65
956 Pavement Friction Testing	3,452	67.60
957 Pavement Deflection	1,905	121.70
958 Video Evaluation Testing	0	0.00
959 Test Equipment Calibrations	43	134.19
961 California Profilometer (Paving)	240	398.55
962 Crack & Patch Survey	35	457.98
963 Miscellaneous Pavement Evaluation	0	0.00
<b>Physical Tests</b>		
966 Drain Tile	9	232.39
968 Neoprene Bearing Pad	1	1,384.01
969 Neoprene Joint Seals	3	547.87
971 Glass Beads	1	685.57
972 Curing Compounds Non-AC	61	395.28
973 Miscellaneous Physical Tests	92	139.17
<b>Physico-Chemical</b>		
978 Paint & Ingredients	61	345.79
979 Protective Coating Tests	1,217	8.46
980 Mixing Water	29	49.49
982 Preform & Form Joint Filler	4	328.21
983 Carbon Analysis of Soil	345	9.74
984 Automotive Products	0	0.00
985 Fabrics	5	371.51
986 Miscellaneous Physical - Chemical Test	0	0.00
<b>Soils</b>		
990 Plasticity Index	1,489	31.07
991 Proctor Tests	545	25.88
992 Mechanical Analysis	1,492	12.49
993 Triaxial	340	117.73
994 Consolidation	333	48.93
996 Soil Cores	486	10.46
999 Pile Driving Analysis	0	0.00

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