

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

IOWA DOT INSPECTION COSTS

<u>Function Description</u>	<u>No. of Tests in 2009</u>	<u>2010 Avg. Cost Per Test</u>
Aggregate		
853 Certified Aggregate	5,489	153.36
856 Freeze - Thaw Tests	1,007	95.02
857 Abrasion Test	1,962	53.00
858 Coarse Aggregate Specific Gravity & Absorption	2,003	26.70
859 Fine Aggregate Specific Gravity & Absorption	431	45.21
860 Sieve Analysis & Plasticity Index	1,404	118.64
861 Deleterious Material Determination	1,560	10.68
862 AC Aggregate Specific Gravity & Absorption	89	141.12
863 Aggregate Miscellaneous	200	109.52
Asphalt Materials		
841 Materials Lab QMA	163	253.29
865 AC Binder Analysis (SHRP)	355	411.63
866 DSR or Penetration or Viscosity	846	63.40
867 Liquid Asphalt Complete Analysis	18	261.40
868 Liquid Asphalt Partial Analysis	257	114.05
870 Asphalt Type Joint	48	648.86
872 Asphalt Mix Lab Density	2,407	71.27
873 Asphalt Mix Max. Density	2,230	59.89
874 Asphalt Mix Extraction & Gradation	37	720.94
875 Asphalt Mix Stability	0	0.00
876 Asphalt Mix Special	4	1,522.13
877 Asphalt Mix Design	108	580.30
878 Asphalt Plant Calibration & Inspection	59	1,434.69
Cement		
882 Physical Cement Test	527	226.08
883 Fine Aggregate Mortar Strength	92	81.08
884 Lime - Fly Ash Physical Test	236	107.74
885 Miscellaneous	25	231.96
Chemical		
887 Concrete - Soil Chloride Determination	20	59.49
890 Lime - Fly Ash	255	92.08
891 Portland Cement	71	308.05
892 Calcium & Sodium Chloride & Deicers	1	853.77
893 Aggregate – Aluminum Oxide	1,565	55.39
894 Concrete Admixtures	445	82.26
895 Air Entraining Admixture	353	76.93
897 Miscellaneous Chemical Analysis	0	31.24

<u>Function Description</u>	<u>No. of Tests in 2009</u>	<u>2010 Avg. Cost Per Test</u>
Concrete		
840 Flowable Mortar	26	209.55
900 Coring, Strength & Air	149	44.41
901 Concrete Admixture Physical Test	0	0.00
902 Concrete Durability	6	2,937.24
903 Concrete Coring	396	176.51
904 Precast Bridge Beams	999	163.74
905 Precast Piling	0	12.41
906 Miscellaneous Precast Units	633	216.90
907 Concrete & Clay Pipe	139	339.58
908 Concrete Coating & Seal	0	8.53
909 Concrete Miscellaneous	389	713.94
910 Concrete Plant Calibration - Inspection	230	270.48
Field Testing		
898 Asbestos S & T	718	45.97
918 Concrete - Clay Pipe Tests	0	0.00
919 Pile Bearing Tests	0	0.00
921 Steel Cover Determination	0	0.00
922 Nuclear Test Materials & Construction	41	839.60
923 Profile Measurement (Bridge Decks)	101	533.98
924 Delamination Tests	0	0.00
Lighting & Signal		
930 Lighting Materials	111	310.96
931 Standard Light Poles	83	168.54
932 Tower Light Poles	0	0.00
933 Signal Materials	5	816.34
Metals		
934 Calibration of Tension & Compression Testers	22	440.76
936 Physical Test Structural Steel- Aluminum	12	420.41
937 Reinforcing Steel	325	210.40
938 Prestress Cables	144	180.09
939 Casting	29	336.80
940 Guardrail Cable, Rails & ACC	15	205.14
941 Calibration of Beam Breakers	164	434.36
942 Fence Material	2	413.26
943 Weld Tests Operator	228	344.37
944 Weld Test Fill Metal	1	473.89
945 Fasteners High Strength	712	44.38
946 Fasteners Miscellaneous	756	30.17
947 Steel & Aluminum Fabrication	3,742	114.78
948 Signing Materials	0	72.43
950 Metal Pipe & Access	0	49.86
951 Radiograph Exams	577	4.03
952 Miscellaneous Metals Testing	200	52.45

<u>Function Description</u>	<u>No. of Tests in 2009</u>	<u>2010 Avg. Cost Per Test</u>
Pavement Evaluation		
955 Pavement Ride Testing	301	243.90
956 Pavement Friction Testing	1,787	80.24
957 Pavement Deflection	2,130	95.29
958 Video Evaluation Testing	0	0.00
959 Test Equipment Calibrations	0	346.93
961 California Profilometer (Paving)	203	524.45
962 Crack & Patch Survey	55	429.90
963 Miscellaneous Pavement Evaluation	0	0.00
Physical Tests		
966 Drain Tile	6	161.34
968 Neoprene Bearing Pad	15	692.74
969 Neoprene Joint Seals	0	725.47
971 Glass Beads	0	501.23
972 Curing Compounds Non-AC	97	431.00
973 Miscellaneous Physical Tests	51	115.26
Physico-Chemical		
978 Paint & Ingredients	0	443.41
979 Protective Coating Tests	1,289	9.95
980 Mixing Water	40	65.57
982 Preform & Form Joint Filler	0	166.07
983 Carbon Analysis of Soil	279	14.14
984 Automotive Products	0	0.00
985 Fabrics	0	383.74
986 Miscellaneous Physical - Chemical Test	0	0.00
Soils		
990 Plasticity Index	1,138	31.12
991 Proctor Tests	264	31.31
992 Mechanical Analysis	1,138	11.60
993 Triaxial	258	105.55
994 Consolidation	258	50.29
996 Soil Cores	457	10.77
999 Pile Driving Analysis	0	0.00