



**Highway Maintenance Manual**  
**Chapter 02 Administration**  
**Section 25 Cost Invoicing**  
**Subject 55 Non-standard Rates**

**Bureau of Highway Maintenance**  
**January 2010**

**1.0 2010 Non-Standard Equipment Numeric Listing**

Class	Description	Est. Life	No. of Units	2010 Rates
<b>9003</b>	Asphalt Recycler	12	0	39.92
9006	Air Compressor (< 60 cu.ft.)	10	13	17.36
9010	Asphalt Pump	12	0	40.36
9011	Joint Cleaner (Blower)	10	4	19.22
9012	Bale Chopper	10	12	17.84
9013	Auger, Salt	10	9	43.38
9014	Broom, Power-hand	5	4	6.82
9015	Roto-cutter, Asphalt	12	9	17.36
9016	Bedding Box	10	1	47.04 /day
<b>9017</b>	Concrete Repair Gun	<b>7</b>	2	7.38
9018	Curb Paver, Bituminous	12	3	86.58
<b>9019 *</b>	<b>Chipper, Large</b>	<b>10</b>	<b>1</b>	<b>38.56</b>
9020	Crane, 45 tons 104' boom	15	1	129.70
9021	Burner, Brush	15	0	4.46
9022	Boats (Pontoon)	10	2	78.00 /day
9023	Boats (Row)	10	3	17.36 /day
9024	Bit Heating Kettle w/fuel	8	2	52.36
9027	Blacktop Skid	10	5	6.42
9028	Pump, Breathing	5	3	3.56
9030	Concrete Scabbler	10	4	43.38
9031	Landfill Compactor	10	2	65.38
9035	Crane (Up to 10 tons)	15	10	43.38
9036	Centerliner (Push-type)	12	24	42.60
9037	Crane, attached to sign truck	10	6	12.36
9038	Cutter Crusher	10	9	13.90
9039	Conveyor w/Silo	12	2	0.52 /ton
9040	Crack Cleaner-Wire Brush	3	1	22.44
9041	Crane (10 to 18 tons)	15	5	103.96
9042	Drill, Gas	3	1	8.48
9044	Drill, Core	5	6	13.04
9045	Gopher Killer	12	1	9.64
9046	Golf Cart	10	9	1.64
9047	Elevator (Paving Material)	12	0	1.26 /cu.yd
9048	Drill, Grain	10	10	31.22
9049	Gravity Box	15	0	5.00
9050	Finishing Machine, Gas Pow.	10	1	64.02
9051	Elevator	12	2	17.36

9052	Limb-cutter, machete	10	0	23.60	
9053	Saws, Hydraulic Chain	3	16	8.04	
9054	Hammer, hydraulic, 100 thru 1100ft/lbs CIMA rating	10	43	34.52	
9055	Grapple	15	4	55.74	
9056	Jack, Hydraulic Bridge	12	10	17.36	
9058	Hammer, Rotary	8	16	12.50	
9060	Traffic Line Remover	10	3	33.26	
9061	Truck bed system, hot box	10	5	4.70	
9069	Loader, Mechanical (Self-prop)	10	0	60.68	
9070	Loader, Hydraulic ( Truck Mtd.)	10	9	19.12	
9073	Landscape Box	12	7	2.66	
9078	Mulcher	10	3	27.94	
9079	Profiler, Pavmnt (6')Cold Planer Self-propelled (teeth charged to project)	12	0	259.64	
9081	Patch.Machine-spray-injec. (trailer mounted)	12	9	52.10	
9082	PotHole Patcher spray Injection, truck mounted, single unit	12	2	78.42	
9084	Pile Drivers	12	2	8.74	
9087	Pug Mill	12	1	2.90	/cu.yd
9088	Portable Traffic Signals Max 12/hr/day, 4 unit sets, includes trailer	7	29	32.36	
9089	Paver, Tailgate	12	1	29.40	
9090	Plows, Rotary (Mtd on Sm.Trac)	5	14	17.36	
9091	Plow, snow 18'	10	1	22.82	
9092	Retro-reflectometer	10	4	68.76	/day
9095	Snowblower rotary not including motive power)	10	26	173.10	
9107	Pavement Profiler	8	10	79.96	
9108	Roller, Tow type Vibrating	10	6	26.10	
9109	Roller, push-type vibrating	8	2	17.30	
9110	Roller, Sheepsfoot	10	4	17.36	
9111	Speed Monitor	10	4	16.66	/day
9112	Router	10	1	17.36	
9113	Rake, rock	10	20	25.00	
9114	Roto-tiller (Attachment)	8	16	24.26	
9115	Root Grapple	10	1	5.22	
9118	Scaffolding w/ electric hoist	15	1	69.70	/day
9119	Rumble Drum	12	2	8.74	
9120	Salt Thrower	10	1	10.46	
9128	Scaffolding (staging)	15	11	21.68	/day
9129	Speed Monitor (trailer mounted)	10	3	11.18	
9130	Scaffolding (Sections)	15	8	6.32	/sec/ mo
9131	Scraper (Self-Load. < 10 cu.yd.)	10	3	125.14	
9132	Scraper w/scarifier	10	3	7.88	
9133	Scraper, tow behind	10	1	13.34	
<b>9134</b>	Scraper, truck style	10	2	67.72	

9135	Seeder	10	11	5.34	
9136 *	Shovel, 150ph & over, Dodge County	10	1	70.76	
9140	Spreaderbox, Shoulder	10	6	10.48	
9141	Sewer Cleaner	10	1	12.26	
9142	Shredder, Dirt	10	1	42.12	
9143	Shredder, Dirt	10	1	0.66	/cu.yd
9144	Sod Cutters	10	4	17.36	
9145	Snowmobile	5	0	15.68	
9146	Sprayer, Paint	15	9	28.10	
9147	Silt Fence	10	1	3.14	
9149	Signmaker	10	3	15.70	
9150	Stump Cutter, Self Powered	10	11	68.32	
9151	Heater, Patch, tailgate	8	5	4.70	
9152	Stump Cutter, Hydraulic	10	6	34.56	
9153	Sweeper, power broom w/ lift	10	0	17.48	
9155	Spray Bar Applicator, single purpose anti-icing liquid application system, <b>with</b> ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 0 to 499 gallons	8	1	17.30	
9156	Spreader, Mini (Milwaukee)	8	2	8.74	
9158	Sweeper, push-type	10	1	16.92	
9159	Transit, Lazer	10	18	5.76	
9160	Survey Equip Total Station	10	2	18.22	
9161	Survey Equip Instrument	10	1	20.40	
9162	Survey Equip GPS	10	3	39.18	
9168	Trailer, Construction Shed	10	59	17.36	/day
9172	Tree Mover	12	0	67.66	
9174	Tree Planter	12	2	18.46	
9175	Trenching Shield	10	4	186.94	/day
9176	Trencher	10	1	67.38	
9177	Trench Compactor	10	1	10.28	
9178	Saw, Earth	10	1	43.38	
9180	Trowel, Power	10	3	27.82	
9184	Vibrator, Concrete	10	9	8.64	
9186	Screed, Vibt Strike-off	10	17	20.46	
9197	Wrench, Hydraulic	5	1	0.94	
9198	Wrench for train cars	7	1	60.08	
9199	Culvert Steamer/pressure washer, trailer or skid mounted	10	43	49.544	
9201	All Terrain Vehicle	10	8	17.36	
9204	Pruner, (Uses gas or Hydr. Pwr Pole)	3	35	7.88	
9205	Rear Blade	10	4	2.66	
9206	Reclaimer, Over 400 hp, 96" (teeth charged to project)	10	6	199.68	
9207	Reclaimer, Under 400 hp (teeth charged to project)	10	2	166.42	
9208	Profiler, Planer small	8	12	15.06	

9209	Re-enforcement Rod	10	1	15.02	
9215	Strip Paver, Asphalt	10	0	12.26	
9230	Scrubber, floor	10	1	20.92	
9231	Scraper (Seprt wheel, cable)	10	4	25.88	
9232	Scraper (10 to 14 cu. yds.)	10	1	101.08	
9235	Conveyor, Electric (20hp/36" x 50")	12	12	20.14	
9236	Conveyor, stainless,hydraulic 70'	12	5	71.02	
9238	Digger Derrick	15	6	34.86	
9240	Fence Installer (for silt)	10	3	27.90	
9241	Sewer Cleaner large, on trailer	10	1	40.76	
9242	Soil Saber/Soft Excavator	10	0	6.98	
9246	Generator, Electric (over 20 kw)	12	11	17.36	
9247	Shovel, over 200 hp (Brown)	10	2	120.50	
9250	Drill, Gas Large	10	2	30.98	
9251	Feeder Hopper	5	2	8.74	
9253	Pruner, Hydraulic	Combined with class 9204			
9254	Hammer, hydraulic, 1101 ft/lbs and over CIMA rating	10	4	74.54	
9255	Spray Bar Applicator, single purpose anti-icing liquid application system, <b>without</b> ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 0 to 499 gallons	8	9	12.36	
9256	Spray Bar Applicator, single purpose anti-icing liquid application system, <b>with</b> ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 500 gallons and greater	8	6	37.04	
9257	Spray Bar Applicator, single purpose anti-icing liquid application system, <b>without</b> ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 500 gallons and greater	8	3	32.12	
9258	Sweeper, Floor	5	10	33.34	/day
9260	Compactor, Hydraulic	10	18	51.54	
9261	Tractor w/broom/sweeper	10	0	16.24	
9265	Trailer, live bottom (w/conveyor)	7	3	14.84	
9269	Trimmer, Push-type	5	0	7.90	
9272	Lane Wedger	5	5	17.36	
9274	Mower, polecat	10	0	21.08	
9275	Truck, Mobile Service Van	5	16	50.28	
9276	Truck, one unit for mowing	10	1	24.30	
9277	Mower, push	3	9	7.00	
9278	Trenching Attachment	10	3	17.36	
9284	Spreader, Mulch	10	15	20.88	
9285	Mulch Krimper	10	6	13.90	
9286	Welder/Generator	10	23	13.90	
9294	Snow Blower, Push	10	34	17.36	
9296	Snowblower Self prop. rotary plow integral unit used exclusively for snow plowing.	0	6	241.22	

9297	Post Puller	10	1	.22	/post
9310	Compactor, gyrating	6	1	1.16	/ton
9312	Boom lift, towed on own trailer	10	2	12.64	
9313	Rake, hay	10	1	15.64	
9336	Centerliner, Dane Co.	10	2	143.56	
9340	Crane, 8.5 carry deck, platform	10	1	47.88	
9341	Sewer Cleaner, with truck	10	2	98.76	
9346	Dowel Drill	10	2	4.34	
9347	Hopper Conveyor, skid mtd.	6	1	67.08	
9348	Hopper Feeder for spreader (to shed)	8	3	39.82	
9349	Spreader, v-box insert, small, self-contained	8	3	17.12	
9350	Rebar Tie	5	2	17.74	
9351	Forklift, VERY lg, 110hp telesc reach	10	3	33.26	
9352	Forklift - Adams County	10	1	30.94	
9353	Salt-Pre-wetting system with nozzle	8	26	17.50	
9354	Hammer, hydraulic, stand alone	10	1	74.54	
9355	Rock Box	10	2	9.84	
9356	Sweeper, lawn Grn Lake Co.	10	1	50.82	
9357	Sweeper, regen, mtd on 2 axles	10	1	86.48	
9360	Chip Spreader, hydra. ext.	10	5	204.94	
9372	Light Tower	15	5	5.72	
9375	Vacuum, (Jet Vac)	10	1	25.86	
9377	Vegetation Unit	10	2	48.84	
9384	Vibrator, concrete high frequency	10	1	34.84	
9385	Water Tanker	10	1	14.58	
9386	Water pump, centrifugal w/pintle hitch	3	1	34.40	
9387 *	Emergency response trailer, fully enclosed with area that could be used as a command center with radio communications	12	2	600.00	/day
9388 *	Emergency response trailer, fully enclosed without area for command center operations			n/a	
9389 *	Emergency response trailer – open trailer for transporting supplies and tools to the incident			n/a	

\* Indicates new class

9006	Air Compressor (< 60 cu.ft.)	10	13	17.36	
9201	All Terrain Vehicle	10	8	17.36	
9010	Asphalt Pump	12	0	40.36	
9003	Asphalt Recycler	12	0	39.92	
9013	Auger, Salt	10	9	43.38	
9012	Bale Chopper	10	12	17.84	
9016	Bedding Box	10	1	47.04	/day
9024	Bit Heating Kettle w/fuel	8	2	52.36	
9027	Blacktop Skid	10	5	6.42	
9022	Boats (Pontoon)	10	2	78.00	/day
9023	Boats (Row)	10	3	17.36	/day

9312	Boom lift, towed on own trailer	10	2	12.64	
9014	Broom, Power-hand	5	4	6.82	
9021	Burner, Brush	15	0	4.46	
9036	Centerliner (Push-type)	12	24	42.60	
9336	Centerliner, Dane Co.	10	2	143.56	
9360	Chip Spreader, hydra. ext.	10	5	204.94	
9019 **	Chipper, large	10	1	38.56	
9310	Compactor, gyrating	6	1	1.16	/ton
9260	Compactor, Hydraulic	10	18	51.54	
9017	Concrete Repair Gun	7	2	7.38	
9030	Concrete Scabblor	10	4	43.38	
9039	Conveyor w/Silo	12	2	0.52	/ton
9235	Conveyor, Electric (20hp/36" x 50")	12	12	20.14	
9236	Conveyor, stainless,hydraulic 70'	12	5	71.02	
9040	Crack Cleaner-Wire Brush	3	1	22.44	
9041	Crane (10 to 18 tons)	15	5	103.96	
9035	Crane (Up to 10 tons)	15	10	43.38	
9020	Crane, 45 tons 104' boom	15	1	129.70	
9340	Crane, 8.5 carry deck, platform	10	1	47.88	
9037	Crane, attached to sign truck	10	6	12.36	
9199	Culvert Steamer/pressure washer, trailer or skid mounted	10	43	49.54	
9018	Curb Paver, Bituminous	12	3	86.58	
9038	Cutter Crusher	10	9	13.90	
9238	Digger Derrick	15	6	34.86	
9346	Dowel Drill	10	2	4.34	
9044	Drill, Core	5	6	13.04	
9042	Drill, Gas	3	1	8.48	
9250	Drill, Gas Large	10	2	30.98	
9048	Drill, Grain	10	10	31.22	
9051	Elevator	12	2	17.36	
9047	Elevator (Paving Material)	12	0	1.26	/cu.yd
9387 *	Emergency response trailer, fully enclosed with area that could be used as a command center with radio communications	12	2	600.00	/day
9388 *	Emergency response trailer, fully enclosed without area for command center operations			n/a	
9389 *	Emergency response trailer – open trailer for transporting supplies and tools to the incident			n/a	
9251	Feeder Hopper	5	2	8.74	
9240	Fence Installer (for silt)	10	3	27.90	
9050	Finishing Machine, Gas Pow.	10	1	64.02	
9352	Forklift - Adams County	10	1	30.94	
9351	Forklift, VERY lg, 110hp telescopic reach	10	3	33.26	
9246	Generator, Electric (over 20 kw)	12	11	17.36	
9046	Golf Cart	10	9	1.64	
9045	Gopher Killer	12	1	9.64	

9055	Grapple	15	5	55.74	
9049	Gravity Box	15	0	5.00	
9054	Hammer, hydraulic, 100 thru 1100ft/lbs CIMA rating	10	43	34.52	
9254	Hammer, hydraulic, 1101 ft/lbs and over CIMA rating	10	4	74.54	
9354	Hammer, hydraulic, stand alone	10	1	74.54	
9058	Hammer, Rotary	8	16	12.50	
9151	Heater, Patch, tailgate	8	5	4.70	
9347	Hopper Conveyor, skid mtd.	6	1	67.08	
9348	Hopper Feeder for spreader (to shed)	8	3	39.82	
9056	Jack, Hydraulic Bridge	12	10	17.36	
9011	Joint Cleaner (Blower)	10	4	19.22	
9031	Landfill Compactor	10	2	65.38	
9073	Landscape Box	12	7	2.66	
9272	Lane Wedger	5	5	17.36	
9372	Light Tower	15	5	5.52	
9052	Limb-cutter, machete	10	0	23.60	
9070	Loader, Hydraulic ( Truck Mtd.)	10	9	19.12	
9069	Loader, Mechanical (Self-prop)	10	0	60.68	
9274	Mower, polecat	10	0	21.06	
9277	Mower, push	3	9	7.00	
9285	Mulch Krimper	10	6	13.90	
9078	Mulcher	10	3	27.94	
9081	Patch.Machine-spray-injec. (trailer mounted)	12	9	52.10	
9107	Pavement Profiler	8	10	79.96	
9089	Paver, Tailgate	12	1	29.40	
9084	Pile Drivers	12	2	8.74	
9091	Plow, snow 18'	10	1	22.82	
9090	Plows, Rotary (Mtd on Sm.Trac)	5	14	17.36	
<b>9088</b>	<b>Portable Traffic Signals Max 12hr/day, 4unit sets, includes trailer</b>	7	29	32.36	
9297	Post Puller	10	1	.22	/post
9082	PotHole Patcher spray Injection, truck mounted, single unit	12	2	78.42	
9079	Profiler, Pavmnt (6')Cold Planer Self-propelled (teeth charged to project)	12	0	259.64	
9208	Profiler, Planer small	8	12	15.06	
9204	Pruner, (Uses gas or Hydr. Pwr Pole)	3	35	7.88	
9087	Pug Mill	12	1	2.90	/cu.yd
9028	Pump, Breathing	5	3	3.56	
9313	Rake, hay	10	1	15.64	
9113	Rake, rock	10	20	25.00	
9205	Rear Blade	10	4	2.66	
9350	Rebar Tie	5	2	17.74	
9206	Reclaimer, Over 400 hp, 96" (teeth charged to project)	10	6	199.68	
9207	Reclaimer, Under 400 hp (teeth charged to project)	10	2	166.42	

9209	Re-enforcement Rod	10	1	15.02	
9092	Retro-reflectometer	10	4	68.76	/day
9355	Rock Box	10	2	9.84	
9115	Rock Grapple	10	1	5.22	
9109	Roller, push-type vibrating	8	2	17.30	
9110	Roller, Sheepsfoot	10	4	17.36	
9108	Roller, Tow type Vibrating	10	6	26.10	
9112	Rooter	10	1	17.36	
9015	Roto-cutter, Asphalt	12	9	17.36	
9114	Roto-tiller (Attachment)	8	16	24.26	
9119	Rumble Drum	12	2	8.74	
9120	Salt Thrower	10	1	10.46	
9353	Salt-Pre-wetting system with nozzle	8	26	17.50	
9178	Saw, Earth	10	1	43.38	
9053	Saws, Hydraulic Chain	3	16	8.04	
9130	Scaffolding (Sections)	15	8	6.32	/sec/mo
9128	Scaffolding (staging)	15	11	21.68	/day
9118	Scaffolding w/ electric hoist	15	1	69.70	/day
9232	Scraper (10 to 14 cu. yds.)	10	1	101.08	
9131	Scraper (Self-Load. < 10 cu.yd.)	10	3	125.14	
9231	Scraper (Separate wheel, cable)	10	4	25.88	
9132	Scraper w/scarifier	10	3	7.88	
9133	Scraper, tow behind	10	1	13.34	
9134	Scraper, truck style	10	2	67.72	
9186	Screed, Vibrating Strike-off	10	17	20.46	
9230	Scrubber, floor	10	1	20.92	
9135	Seeder	10	11	5.34	
9141	Sewer Cleaner	10	1	12.26	
9241	Sewer Cleaner large, on trailer	10	1	40.76	
9341	Sewer Cleaner, with truck	10	2	98.76	
9136	Shovel, 150ph & over, Dodge County	10	1	70.76	
9247	Shovel, over 200 hp (Brown)	10	2	120.50	
9142	Shredder, Dirt	10	1	42.12	
9143	Shredder, Dirt	10	1	0.66	/cu.yd
9149	Signmaker	10	3	15.70	
9147	Silt Fence	10	1	3.14	
9294	Snow Blower, Push	10	34	17.36	
9095	Snowblower rotary not including motive power)	10	26	173.10	
9296	Snowblower Self prop. rotary plow integral unit used exclusively for snow plowing.	10	6	241.22	
9145	Snowmobile	5	0	15.68	
9144	Sod Cutters	10	4	17.36	
9242	Soil Saber/Soft Excavator	10	0	6.98	

9111	Speed Monitor	10	4	16.66	/day
9129	Speed Monitor (trailer mounted)	10	3	11.18	
9155	Spray Bar Applicator, single purpose anti-icing liquid application system, <b>with</b> ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 0 to 499 gallons	8	1	17.30	
9256	Spray Bar Applicator, single purpose anti-icing liquid application system, <b>with</b> ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 500 gallons and greater	8	6	37.04	
9255	Spray Bar Applicator, single purpose anti-icing liquid application system, <b>without</b> ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 0 to 499 gallons	8	9	12.36	
9257	Spray Bar Applicator, single purpose anti-icing liquid application system, <b>without</b> ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 500 gallons and greater	8	3	32.12	
9146	Sprayer, Paint	15	9	28.10	
9156	Spreader, Mini (Milwaukee)	8	2	8.74	
9284	Spreader, Mulch	10	15	20.88	
9349	Spreader, v-box insert, small, self-contained	8	3	17.12	
9140	Spreaderbox, Shoulder	10	6	10.48	
9215	Strip Paver, Asphalt	10	0	12.26	
9152	Stump Cutter, Hydraulic	10	6	34.56	
9150	Stump Cutter, Self Powered	10	11	68.32	
9162	Survey Equip GPS	10	3	39.18	
9161	Survey Equip Instrument	10	1	20.40	
9160	Survey Equip Total Station	10	2	18.22	
9258	Sweeper, Floor	5	10	33.34	/day
9356	Sweeper, lawn Grn Lake Co.	10	1	50.82	
9153	Sweeper, power broom w/ lift	10	0	17.48	
9158	Sweeper, push-type	10	1	16.92	
9357	Sweeper,regen, mtd on 2 axles	10	1	86.48	
9261	Tractor w/broom/sweeper	10	0	16.24	
9060	Traffic Line Remover	10	3	33.26	
9168	Trailer, Construction Shed	10	59	17.36	/day
9265	Trailer, live bottom (w/conveyor)	7	3	14.84	
9159	Transit, Lazer	10	18	5.76	
9172	Tree Mover	12	0	67.66	
9174	Tree Planter	12	2	18.46	
9177	Trench Compactor	10	1	10.28	
9176	Trencher	10	1	67.38	
9278	Trenching Attachment	10	3	17.36	
9175	Trenching Shield	10	4	186.94	/day

9269	Trimmer, Push-type	5	0	7.90
9180	Trowel, Power	10	3	27.82
9061	Truck bed system, hot box	10	5	4.70
9275	Truck, Mobile Service Van	5	16	50.28
9276	Truck, one unit for mowing	10	1	24.30
9375	Vacuum, (Jet Vac)	10	1	25.86
9377	Vegetation Unit	10	2	48.84
9184	Vibrator, Concrete	10	9	8.64
9384	Vibrator, concrete high frequency	10	1	34.84
9386	Water pump, centrifugal w/pintle hitch	3	1	34.40
9385	Water Tanker	10	1	14.58
9286	Welder/Generator	10	23	13.90
9198	Wrench for train cars	7	1	60.08
9197	Wrench, Hydraulic	5	1	.94