

Effective: January 1, 2007	5.00 Cost Agreement
Supersedes: January 1, 2006	5.50 County Machinery Costs
	5.55 Equipment Rental Rates
By: Director, Bureau of Highway Operations	
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**2007 CLASSIFIED EQUIPMENT RATES
STANDARD AND SPECIAL RATED UNITS**

<u>Class</u>	<u>Description</u>	<u>Rate</u>	<u>Est. Life</u>
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AIR COMPRESSORS

Rates are for the compressor and pneumatic tools used with the compressor, except breakers, jack hammers (class 929), and wagon drills. Rates do not include equipment used to transport the compressor.

<u>401</u>	<u>60 through 159 cubic foot per minute capacity</u>	-----18.40/hr.	10 years
<u>402</u>	<u>160 through 209 cubic foot per minute capacity</u>	-----15.62/hr.	10 years
<u>403</u>	<u>210 cubic foot per minute capacity and over</u>	-----16.72/hr.	10 years

BITUMINOUS EQUIPMENT

Note: Paver rates include the cost of automatic controls.

<u>701</u>	<u>Bitumen kettle, 1-2 bbls., inclusive</u>	-----29.64/hr.	8 years
<u>702</u>	<u>Bitumen kettle, 3-5 bbls., inclusive</u>	-----19.04/hr.	8 years
<u>704</u>	<u>Mechanical mixer (or Preparer) with power unit; does not include the unit providing mobility</u>	-----58.00/hr.	12 years
705	Mechanical mixer/recycler, (pulverizer) self-propelled, (teeth charged to project)	-----321.58/hr.	12 years
<u>707</u>	<u>Tank car heater (except wood or coal fired)</u>	-----11.66/hr.	12 years
<u>708</u>	<u>Distributor, including tank and equipment, but not the truck</u>	-----33.50/hr.	12 years
<u>709</u>	<u>Patch material heater and mixer (surge bin)</u>	-----17.86/hr.	12 years
<u>710</u>	<u>Heating kettle, double jacketed</u>	-----33.46/hr.	8 years
<u>712</u>	<u>Self-propelled paver and finishing machine</u>	-----1.02/ton	8 years
<u>712</u>	<u>Self-propelled paver and finishing machine</u>	-----1.48/c.y.	8 years
<u>713</u>	<u>Portable storage tank for oil/emulsion with heating unit; charge only for hours of heating or pumping</u>	-----20.84/hr.	12 years

714	Portable supply or storage tank for oil/emulsion	-----47.98/day	12 years
715	Distributor, including truck, rear drive 23,000 through 25,999 lbs---	61.76/hr	6 years
716	Distributor, including truck, rear drive 26,000 lbs and over	-----76.30/hr.	7 years
717	Distributor, including truck, tandem rear drive 40,000 through 49,999lbs. -----	63.04/hr.	9 years
718	Distributor, including truck, tandem rear drive, 50,000 lbs-----	118.12/hr.	9 years
719	Pavement profiler, under 2', not self-propelled -----	37.46/hr.	10 years

GENERATORS, PORTABLE ELECTRIC

802	2,000 watt output and less -----	11.12/hr.	8 years
803	2,001 through 3,000 watt output -----	4.64/hr.	8 years
805	3,001 watt output through 10,000 watt output -----	17.16/hr.	12 years
806	10,001 watt output and over -----	56.64/hr	12 years

GRADERS, MOTOR

Note: The cost of automatic controls (i.e. lasers) is not included in the grader rates. A separate add-on rate for lasers is identified as class 315.

Classifications are in accordance with rated net flywheel horsepower (hp) and weight, exclusive of attachments. Horsepower shall be in accordance with Society of Automotive Engineers (S.A.E.) standard 1349.

302	Less than 85 hp -----	34.90/hr.	10 years
305	At least 85 hp and 20,000 lbs -----	43.32/hr.	10 years
306	At least 140 hp and 27,000 lbs -----	53.84/hr.	10 years
307	At least 150 hp and 27,000 lbs -----	61.34/hr.	10 years
308	Six wheel drive (front and tandem rear axles, all drive), at least 125 hp and 27,000 lbs -----	62.06/hr.	10 years
315	Slope controller for grader -----	15.46/hr.	10 years

Note: Moldboard blades with replaceable carbide teeth will be capitalized as part of the motor grader unit. Replacement teeth are to be charged to a project.

GRADERS, TOW TYPE ATTACHMENT

321	Single blade -----	6.80/hr.	10 years
323	Dual blade (8 ft. blade and over and return blade attachment) -----	14.48/hr.	10 years

<u>Class</u>	<u>Description</u>	<u>Rate</u>	<u>Est. Life</u>
MAINTAINER ATTACHMENTS			
392	Hydraulically operated return blade	7.08/hr.	10 years

MOWERS AND MOWER ATTACHMENTS

410	Motorized lawnmower, 30" through 59" cut	18.40/hr.	5 years
411	Motorized lawnmower, 60" cut or more	20.22/hr.	5 years
412	Disc bar attachment	21.98/hr.	10 years
413	Rotary, reel, and flail attachments	12.60/hr.	10 years
414	Sickle bar attachment	18.48/hr.	10 years
415	2 pan section (single unit), rotary, reel, flail, etc.	15.82/hr.	10 years
416	3 pan section(single unit), rotary, reel, flail, etc.	24.06/hr.	10 years

ROAD ROLLERS

531	Tow-type, non-vibratory	15.44/hr.	10 years
532	Self propelled, non-vibratory	42.10/hr.	10 years
533	Self propelled, vibratory, 1 through 2 tons	40.88/hr.	8 years
534	Self propelled, vibratory, over 2 tons	44.34/hr.	8 years

SCRAPERS AND SCRAPER ATTACHMENTS

Scrapers are rated as a unit with the tractor used exclusively for scraper operation. Capacity is based on the manufacturer's truck capacity without sideboards.

546	14 cubic yards and over	96.06/hr.	10 years
547	Scraper, twin engine	116.00/hr.	10 years

SHOULDERING MACHINES

450	Shoulder reclaimer	47.48/hr.	10 years
451	Motor grader attachment	79.20/hr.	10 years
455	Self propelled	88.30/hr.	10 years

<u>Class</u>	<u>Description</u>	<u>Rate</u>	<u>Est. Life</u>
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SHOVELS

Complete units classified by capacity, including the truck or tractor. Capacity is based on manufacturer’s rating.

<u>552</u>	<u>Truck mounted, including hydraulic cable operated combination back-hoe units (i.e. Gradall)</u>	50.62/hr.	10 years
<u>554</u>	<u>Track-type backhoe, less than 80 hp</u>	xx.xx/hr.	10 years
555	Track-type backhoe, 80 through 99 hp	42.42/hr	10 years
<u>557</u>	<u>Self contained excavator, rubber tire (i.e. Cruz Aire)</u>	61.62/hr.	10 years
<u>558</u>	<u>Shovel, track-type (100 through 149 hp)</u>	49.80/hr.	10 years
559	Shovel, track-type (150hp and over)	50.84/hr.	10 years

SNOW PLOWS, MOTOR GRADER AND TRACTOR ATTACHMENTS

<u>611</u>	<u>V-shape</u>	92.02/hr.	10 years
<u>612</u>	<u>Widening wing</u>	29.58/hr.	10 years

SNOW PLOWS, TRUCK ATTACHMENTS

<u>632</u>	<u>V-shape</u>	19.80/hr.	10 years
<u>633</u>	<u>Power reversible, minimum 23,000 lbs. GVW</u>	12.80/hr.	10 years
<u>634</u>	<u>One-way (including motor grader or tractor attachments)</u>	11.04/hr.	10 years
<u>635</u>	<u>Widening wing, minimum 23,000 lbs. GVW</u>	12.10/hr.	10 years
636	Underbody, fixed moldboard	11.04/hr.	10 years
637	Underbody, power reversible moldboard	14.94/hr.	10 years

SPREADER ATTACHMENTS

These attachments are for applying sand, chips, or deicers. Units purchased after 1/1/86 shall be capable of calibration within 10% of the recommended sodium chloride application rate (100 to 300 lbs./lane mile) at speeds of 15 to 35 miles per hour.

<u>420</u>	<u>Spreader, tailgate mounted, computer controlled with on board pre-wetting system (may include anti-icing spray bar)</u>	17.72/hr.	8 years
<u>421</u>	<u>Spreader, integral unit, hopper type truck body with conveyor feeding material to power driven spinner type spreader, computerized, with on board pre-wetting system (may include anti-icing spray bar)</u>	29.76/hr.	8 years
<u>424</u>	<u>Tailgate mounted, non-computerized</u>	11.30/hr.	8 years
<u>425</u>	<u>Integral unit, hopper type truck body with conveyor feeding material to power driven spinner type spreader, non-computerized</u>	24.42/hr.	8 years

<u>Class</u>	<u>Description</u>	<u>Rate</u>	<u>Est. Life</u>
426	Tailgate mounted, computer controlled-----	13.10/hr.	8 years
<u>427</u>	<u>Integral unit, hopper type truck body with conveyor feeding material to power driven spinner type spreader, computerized</u> -----	29.18/hr.	8 years
<u>428</u>	<u>Zero-velocity type spreader, includes 'pre-wetting' type system (may include anti-icing spray bar)</u> -----	28.48/hr.	8 years

SPREADERS, CHIP – SELF- PROPELLED

<u>440</u>	<u>Single width with mechanical extension</u> -----	152.60/hr.	10 years
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SWEEPERS AND ATTACHMENTS

<u>431</u>	<u>Broom, power take-off or hydraulic pump driven, attached to separate vehicle class</u> -----	29.98/hr.	10 years
<u>432</u>	<u>Broom, self-powered, pulled by separate vehicle down the road</u> ---	33.86/hr.	10 years
<u>433</u>	<u>Street sweeper, mechanical debris collection system, self propelled down the road</u> -----	87.48/hr.	10 years
<u>434</u>	<u>Broom, self powered, self propelled down the road</u> -----	34.46/hr.	10 years
<u>435</u>	<u>Street sweeper, vacuum debris collection system, self propelled down the road</u> -----	67.14/hr	10 years

TRACTORS/SKIDSTERS/END LOADERS

These units shall be rated by net flywheel SAE horsepower (hp). Net horsepower shall be in accordance with Society of Automotive Engineers (SAE) standard 1349, and shall not exceed that stated in the manufacturer’s national advertising.

<u>202</u>	<u>Wheel-type, 12 through 34 hp</u> -----	23.18/hr.	10 years
203	Wheel-type, 35 through 49 hp-----	22.20/hr.	10 years
204	Wheel-type, 50 through 64 hp-----	26.04/hr.	10 years
205	Wheel-type, 65 through 79 hp-----	29.02/hr.	10 years
206	Wheel-type, 80 through 99 hp-----	35.64/hr.	10 years
<u>207</u>	<u>Wheel-type, 100 through 149 hp</u> -----	49.38/hr.	10 years
208	Wheel-type, 150 through 214 hp-----	54.30/hr.	10 years
209	Wheel-type, 215 hp and more-----	65.38/hr.	10 years
214	Track-type, 12 through 64 hp-----	40.80/hr.	10 years
215	Track-type, 65 through 79 hp-----	36.74/hr.	10 years
<u>216</u>	<u>Track-type, 80 through 99 hp</u> -----	39.00/hr.	10 years
<u>217</u>	<u>Track-type, 100 through 149 hp</u> -----	56.86/hr.	10 years
218	Track-type, 150 through 214 hp-----	75.64/hr.	10 years
219	Track-type, 215 hp and more-----	94.06/hr.	10 years

<u>Class</u>	<u>Description</u>	<u>Rate</u>	<u>Est. Life</u>
221	Agricultural type tractor – 4- wheel drive units, 20 through 64 hp	23.86/hr.	10 years
222	Agricultural type tractor – 4- wheel drive units, 65 through 79 hp	29.64/hr.	10 years
223	Agricultural type tractor – 4- wheel drive units, 80 through 99 hp	31.76/hr.	10 years
250	Backhoe/loader/tractor, (80 to 100 hp)	40.02/hr.	10 years

TRAILERS

Classification shall be based on the manufacturer’s rated capacity for the specific model trailer

490	Less than 1 ton (use manufacturer’s rated capacity)	9.88/hr.	10 years
491	1 through 4 tons (use manufacturer’s rated capacity)	12.30/hr.	10 years
493	5 through 29 tons (use manufacturer’s rated capacity)	27.44/hr.	10 years
496	30 tons and over (use manufacturer’s rated capacity)	38.40/hr.	10 years

TRUCKS

Classifications shall be based on the manufacturer’s gross vehicle weight (GVW) rating assigned to the specific model, including all component equipment recommended or required by the manufacturer, as listed in the current national advertising and specifications. No consideration shall be given to any GVW that may be assigned for a specific purpose, preferred service, limited area, or that is not included in the national advertising for that model. If optional GVW’s or a range of GVW’s are given without identifying equipment necessary to place the unit within the range, the average of the range shall be used.

The washing of trucks performing winter activities shall be charged to the job using activity code 072. All other (non-winter) truck washing shall be charged to the truck unit.

** Please note change for 4wd trucks and the weight range for classes 101,103, 106, and 112. Class 102 has been eliminated.

101 **	Rear drive or 4wd, 15,000 lbs and less	12.88/hr.	6 years
103 **	Rear drive or 4wd, 15,001 through 17,999 lbs	19.14/hr.	6 years
104	Rear drive or 4wd, 18,000 through 22,999 lbs	19.14/hr.	6 years
106 **	Rear drive or 4wd, 23,000 lbs. through 49,999 lbs	35.00/hr.	10 years
112 **	Rear drive or 4wd, more than 50,000 lbs.	150.98/hr.	15 years
117	Tandem rear drive, 35,000 lbs. through 49,999	49.40/hr.	9 years
118	Tandem rear drive, 50,000 lbs. and over	49.76/hr.	9 years
1118	Tandem rear drive, 50,000 lbs. and over, with tri-axles	47.30/hr.	9 years
1128	Tandem rear drive, 50,000lbs. and over, with quad-axles	38.64/hr.	9 years

<u>Class</u>	<u>Description</u>	<u>Rate</u>	<u>Est. Life</u>
114	<u>Automobiles</u> -----	0.68/mile	100,000mi
119	<u>Station wagons, vans, carry-alls</u> -----	14.10/hr	5 years
120	<u>Patrol superintendent vehicles</u> -----	0.54/mile	100,000mi

MISCELLANEOUS EQUIPMENT

901	<u>Back hoe attachment</u> -----	11.00/hr.	10 years
902	<u>Brush chipper</u> -----	30.28/hr.	8 years
903	<u>Concrete mixer, 1/2 bag</u> -----	22.86/hr.	7 years
904	<u>Concrete mixer, 1 to 2 bag, inclusive</u> -----	19.54/hr.	7 years
906	<u>Mechanical tamper, self-powered</u> -----	25.54/hr.	8 years
907	<u>Ripper attachments for graders or tractors</u> -----	96.52/hr.	10 years
908	<u>Surge bin</u> -----	52.14/hr.	15 years
910	<u>Arrow board, self contained on trailer</u> -----	5.32/hr.	10 years
911	<u>Gravel conveyor</u> -----	39.64/hr.	12 years
912	<u>Mudjack</u> -----	22.98/hr.	10 years
914	<u>Portable power saw, chain or reciprocating</u> -----	7.96/hr.	3 years
915	<u>Post hole digger (auger), power attachment</u> -----	20.18/hr.	10 years
917	<u>Sand blaster (per nozzle)</u> -----	15.80/hr.	10 years
918	<u>Screening plant</u> -----	0.32/ton	10 years
918	<u>Screening plant</u> -----	0.44/c.y.	10 years
919	<u>Spring tooth or disc harrow attachment</u> -----	19.42/hr.	10 years
922	<u>Welder, electric, per 100 ampere capacity (does not include cost of welding rod)</u> -----	5.30/hr.	10 years
923	<u>Water pump, centrifugal</u> -----	18.58/hr.	5 years
924	<u>Water pump, diaphragm</u> -----	63.36/hr.	5 years
925	<u>Sprayer, multi-purpose stand alone, liquid distribution system, including tank, spray bar, nozzles, to be used for anti-icing, spot weed spraying or dust control.</u> -----	9.26/hr.	10 years
926	<u>Water tank, portable with pump and spray bars, exclusive of motive equipment (no charge may be made while in transit)</u> -----	18.60/hr.	8 years
927	<u>Weed eater (self propelled, hand operated line trimmer)</u> -----	6.56/hr.	3 years
928	<u>Post hole digger, powered</u> -----	125.02/hr.	6 years
929	<u>Pneumatic jack hammer or concrete pavement breaker attachments</u> -----	18.32/hr.	5 years
930	<u>Hydro-seeder with water supply</u> -----	42.78/hr.	10 years
931	<u>Mulch spreader with water supply</u> -----	54.50/hr.	10 years
932	<u>Brush cutter, (backhoe mounted on boom)</u> -----	35.36/hr.	5 years

<u>Class</u>	<u>Description</u>	<u>Rate</u>	<u>Est. Life</u>
933	Shoulder drag	36.50/hr.	10 years
934	Concrete saw, through 9 hp, without blades	47.00/hr.	3 years
935	Concrete saw, 10 through 24 hp, without blades	31.42/hr.	5 years
936	Concrete saw, over 25 hp, without blades	48.24/hr.	10 years
937	Hot air lance (fuel charged to project)	6.34/hr.	5 years
938	Pavement router/joint cleaner, (teeth charged to project)	37.24/hr.	5 years
939	Field office, class A	47.70/day	15 years
940	Brush cutter (tractor mounted)	24.98/hr.	3 years
941	Bump burner, infrared or open flame grader attach	99.58/hr.	12 years
942 *	Post pusher/driver (wood or metal)	8.40/hr.	12 years
944	Tank, water (no spray bar)	20.20/day	12 years
946	Trailer, sign	9.10/day	10 years
947 **	Portable pressure washer - attached wheels, capacity thru 20 hp.	27.56/hr.	10 years
948	Aerial platform	28.54/hr.	12 years
949	Attenuator (truck mounted or towed)	9.24/hr.	10 years
950	Centerliner, mtd. on dual axle truck	92.14/hr.	10 years
951	Centerliner, mtd. on single axle truck	88.24/hr.	12 years
952	Liquid dust control, applicator only	.66/gal	8 years
953	Boom for mowers, attached to tractor	9.40/hr.	10 years
954	Sign truck, 23,000lbs and over, incl. storage cabinets and boom/auger	18.86/hr.	6 years
955	Tailgate conveyor	21.22/hr.	12 years
956	Hydraulic drill	19.82/hr.	8 years
958	Message board (programmable) maximum charge of 12 hours in a 24 hr. period.	10.96/hr.	10 years
959	Sign Truck, under 23,000 lbs. incl. storage cabinets and boom/auger	13.34/hr.	6 years
960 **	Portable pressure washer - attached wheels, capacity 21hp and greater	30.28/hr.	10 years

* MMC approved rate change from \$.26/post to \$8.40/hour

** Red indicated changes effective July 2007