

<b>Effective:</b> August 1, 2008	5.00 Cost Agreement
<b>Supersedes:</b> January 1, 2008	5.50 County Machinery Costs 5.55b Equipment Rental Rates
<b>By:</b> Director, Bureau of Highway Operations	
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## Revised for Fuel Adjustments

### 2008 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.

401	<u>60 through 159 cubic foot per minute capacity</u> -----	20.00/hr.	10 years
402	<u>160 through 209 cubic foot per minute capacity</u> -----	16.70/hr.	10 years
403	<u>210 cubic foot per minute capacity and over</u> -----	19.32/hr.	10 years

#### BITUMINOUS EQUIPMENT

**Note: Paver rates include the cost of automatic controls.**

701	<u>Bitumen kettle, 1-2 bbls., inclusive</u> -----	8.88/hr.	8 years
702	<u>Bitumen kettle, 3-5 bbls., inclusive</u> -----	23.24/hr.	8 years
704	<u>Mechanical mixer (or Preparer) with power unit; does not include the unit providing mobility</u> -----	57.26/hr.	12 years
705	<u>Mechanical mixer/recycler, self-propelled, (teeth charged to project)</u> -----	169.84/hr.	12 years
707	<u>Tank car heater (except wood or coal fired)</u> -----	12.84/hr.	12 years
708	<u>Distributor, including tank and equipment, but not the truck</u> -----	34.40/hr.	12 years
709	<u>Patch material heater and mixer (surge bin)</u> -----	18.36/hr.	12 years
710	<u>Heating kettle, double jacketed</u> -----	34.22/hr.	8 years
712	<u>Self-propelled paver and finishing machine</u> -----	1.02/ton	8 years
712	<u>Self-propelled paver and finishing machine</u> -----	1.44/c.y.	8 years

<a href="#">713</a>	<a href="#">Portable storage tank for oil/emulsion with heating unit; charge only for hours of heating or pumping</a> -----	26.62/hr.	12 years
<a href="#">714</a>	<a href="#">Portable supply or storage tank for oil/emulsion</a> -----	67.70/day	12 years
715	Distributor, including truck, rear drive 23,000 through 25,999 lbs---	61.12/hr.	6 years
<a href="#">716</a>	<a href="#">Distributor, including truck, rear drive 26,000 lbs and over</a> -----	86.80/hr.	7 years
717	Distributor, including truck, tandem rear drive 40,000 through 49,999lbs.-----	62.64/hr.	9 years
718	Distributor, including truck, tandem rear drive, 50,000 lbs-----	161.18/hr.	9 years
719	Pavement profiler, under 2', not self-propelled-----	39.16/hr.	10 years

**GENERATORS, PORTABLE ELECTRIC**

802	2,000 watt output and less-----	10.04/hr.	8 years
803	2,001 through 3,000 watt output-----	4.96/hr.	8 years
<a href="#">805</a>	<a href="#">3,001 watt output through 10,000 watt output</a> -----	16.92/hr.	12 years
<a href="#">806</a>	<a href="#">10,001 watt output and over</a> -----	72.68/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.

<a href="#">302</a>	<a href="#">Less than 85 hp</a> -----	39.62/hr.	10 years
305	At least 85 hp and 20,000 lbs-----	49.36/hr.	10 years
<a href="#">306</a>	<a href="#">At least 140 hp and 27,000 lbs</a> -----	56.72/hr.	10 years
307	At least 150 hp and 27,000 lbs-----	66.28/hr.	10 years
<a href="#">308</a>	<a href="#">Six wheel drive (front and tandem rear axles, all drive), at least 125 hp and 27,000 lbs</a> -----	69.20/hr.	10 years
315	Slope controller for grader-----	26.88/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**

<a href="#">321</a>	<a href="#">Single blade</a> -----	6.28/hr.	10 years
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<u>Class</u>	<u>Description</u>	<u>Rate</u>	<u>Est. Life</u>
<u>323</u>	<u>Dual blade (8 ft. blade and over and return blade attachment)</u>	14.66/hr.	10 years

**MAINTAINER ATTACHMENTS**

<u>392</u>	<u>Hydraulically operated return blade</u>	7.24/hr.	10 years
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**MOWERS AND MOWER ATTACHMENTS**

<u>410</u>	<u>Motorized lawnmower, 30" through 59" cut</u>	21.62/hr.	5 years
<u>411</u>	<u>Motorized lawnmower, 60" cut or more</u>	21.80/hr.	5 years
<u>412</u>	<u>Disc bar attachment</u>	22.32/hr.	10 years
<u>413</u>	<u>Rotary, reel, and flail attachments</u>	13.14/hr.	10 years
<u>414</u>	<u>Sickle bar attachment</u>	18.78/hr.	10 years
<u>415</u>	<u>2 pan section (single unit), rotary, reel, flail, etc.</u>	17.06/hr.	10 years
<u>416</u>	<u>3 pan section(single unit), rotary, reel, flail, etc.</u>	24.46/hr.	10 years

**ROAD ROLLERS**

<u>531</u>	<u>Tow-type, non-vibratory</u>	15.12/hr.	10 years
<u>532</u>	<u>Self propelled, non-vibratory</u>	46.98/hr.	10 years
<u>533</u>	<u>Self propelled, vibratory, 1 through 2 tons</u>	43.92/hr.	8 years
<u>534</u>	<u>Self propelled, vibratory, over 2 tons</u>	46.54/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.

<u>546</u>	<u>14 cubic yards and over</u>	96.96/hr.	10 years
<u>547</u>	<u>Scraper, twin engine</u>	133.26/hr.	10 years

**SHOULDERING MACHINES**

<u>450</u>	<u>Shoulder reclaimer</u>	43.36/hr.	10 years
<u>451</u>	<u>Motor grader attachment</u>	80.24/hr.	10 years
<u>455</u>	<u>Self propelled</u>	97.06/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>	54.84/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	50.80/hr.	10 years
<u>557</u>	<u>Self contained excavator, rubber tire (i.e. Cruz Aire)</u>	63.20/hr.	10 years
<u>558</u>	<u>Shovel, track-type (100 through 149 hp)</u>	53.38/hr.	10 years
559	Shovel, track-type (150hp and over)	57.14/hr.	10 years

**SNOW PLOWS, MOTOR GRADER AND TRACTOR ATTACHMENTS**

<u>611</u>	<u>V-shape</u>	129.74/hr.	10 years
<u>612</u>	<u>Widening wing</u>	34.26/hr.	10 years

**SNOW PLOWS, TRUCK ATTACHMENTS**

<u>632</u>	<u>V-shape</u>	36.22/hr.	10 years
<u>633</u>	<u>Power reversible, truck mounted</u>	13.00/hr.	10 years
<u>634</u>	<u>One-way (including motor grader or tractor attachments)</u>	11.62/hr.	10 years
<u>635</u>	<u>Widening wing, minimum 23,000 lbs. GVW</u>	12.58/hr.	10 years
636	Underbody, fixed moldboard	12.10/hr.	10 years
637	Underbody, power reversible moldboard	15.26/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>	18.36/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>	34.98/hr.	8 years
<u>424</u>	<u>Tailgate mounted, non-computerized</u>	11.48/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>	24.28/hr.	8 years

<u>Class</u>	<u>Description</u>	<u>Rate</u>	<u>Est. Life</u>
426	Tailgate mounted, computer controlled-----	13.26/hr.	8 years
427	<a href="#">Integral unit, hopper type truck body with conveyor feeding material to power driven spinner type spreader, computerized</a> -----	29.90/hr.	8 years
428	<a href="#">Zero-velocity type spreader, includes 'pre-wetting' type system (may include anti-icing spray bar)</a> -----	31.66/hr.	8 years

**SPREADERS, CHIP – SELF- PROPELLED**

440	<a href="#">Single width with mechanical extension</a> -----	160.52/hr.	10 years
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**SWEEPERS AND ATTACHMENTS**

431	<a href="#">Broom, power take-off or hydraulic pump driven, attached to separate vehicle class</a> -----	30.02/hr.	10 years
432	<a href="#">Broom, self-powered, pulled by separate vehicle down the road</a> ---	35.82/hr.	10 years
433	<a href="#">Street sweeper, mechanical debris collection system, self propelled down the road</a> -----	101.12/hr.	10 years
434	<a href="#">Broom, self powered, self propelled down the road</a> -----	39.04/hr.	10 years
435	<a href="#">Street sweeper, vacuum debris collection system, self propelled down the road</a> -----	69.34/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.

202	<a href="#">Wheel-type, 12 through 34 hp</a> -----	25.58/hr.	10 years
203	Wheel-type, 35 through 49 hp-----	23.80/hr.	10 years
204	Wheel-type, 50 through 64 hp-----	29.06/hr.	10 years
205	Wheel-type, 65 through 79 hp-----	32.20/hr.	10 years
206	Wheel-type, 80 through 99 hp-----	37.97/hr.	10 years
207	<a href="#">Wheel-type, 100 through 149 hp</a> -----	54.72/hr.	10 years
208	Wheel-type, 150 through 214 hp-----	60.82/hr.	10 years
209	Wheel-type, 215 hp and more-----	69.98/hr.	10 years
214	Track-type, 12 through 64 hp-----	42.48/hr.	10 years
215	Track-type, 65 through 79 hp-----	40.92/hr.	10 years
216	<a href="#">Track-type, 80 through 99 hp</a> -----	43.22/hr.	10 years
217	<a href="#">Track-type, 100 through 149 hp</a> -----	60.26/hr.	10 years
218	Track-type, 150 through 214 hp-----	86.76/hr.	10 years
219	Track-type, 215 hp and more-----	106.08/hr.	10 years

<u>Class</u>	<u>Description</u>	<u>Rate</u>	<u>Est. Life</u>
<a href="#">221</a>	<a href="#">Agricultural type tractor, 4- wheel drive units, 20 through 64 hp</a>	22.22/hr.	10 years
<a href="#">222</a>	<a href="#">Agricultural type tractor, 4- wheel drive units, 65 through 79 hp</a>	32.28/hr.	10 years
223	Agricultural type tractor, 4- wheel drive units, 80 through 99 hp	35.32/hr.	10 years
224	Agricultural type tractor, 4- wheel drive units, 100 through 150hp	47.32/hr.	10 years
<a href="#">250</a>	<a href="#">Backhoe/loader/tractor, (80 to 100 hp)</a>	42.66/hr.	10 years

**TRAILERS**

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

<a href="#">490</a>	<a href="#">Less than 1 ton</a> (use manufacturer’s rated capacity)	11.10/hr.	10 years
<a href="#">491</a>	<a href="#">1 through 4 tons</a> (use manufacturer’s rated capacity)	12.74/hr.	10 years
<a href="#">493</a>	<a href="#">5 through 29 tons</a> (use manufacturer’s rated capacity)	28.18/hr.	10 years
<a href="#">496</a>	<a href="#">30 tons and over</a> (use manufacturer’s rated capacity)	38.90/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.**

<a href="#">101</a>	<a href="#">Rear drive or 4wd, 15,000 lbs and less</a>	14.84/hr.	6 years
<a href="#">103</a>	<a href="#">Rear drive or 4wd, 15,001 through 17,999 lbs</a>	19.56/hr.	6 years
104	Rear drive or 4wd, 18,000 through 22,999 lbs	20.80/hr.	6 years
106	Rear drive or 4wd, 23,000 lbs. through 49,999 lbs	40.84/hr.	10 years
<a href="#">112</a>	<a href="#">Rear drive or 4wd, more than 50,000 lbs.</a>	146.88/hr.	15 years
117	Tandem rear drive, 35,000 lbs. through 49,999	58.28/hr.	9 years
<a href="#">118</a>	<a href="#">Tandem rear drive, 50,000 lbs. and over</a>	53.62/hr.	9 years
<a href="#">1118</a>	<a href="#">Tandem rear drive, 50,000 lbs. and over, with tri-axles</a>	54.44/hr.	9 years
<a href="#">1128</a>	<a href="#">Tandem rear drive, 50,000lbs. and over, with quad-axles</a>	43.94/hr.	9 years

<u>Class</u>	<u>Description</u>	<u>Rate</u>	<u>Est. Life</u>
<b>VEHICLES</b>			
114	<u>Automobiles</u> -----	0.72/mile	100,000mi
119	<u>Station wagons, vans, carry-alls</u> -----	15.54/hr.	5 years
120	<u>Patrol superintendent vehicles</u> -----	0.58/mile	100,000mi

**MISCELLANEOUS EQUIPMENT**

901	<u>Back hoe attachment</u> -----	11.36/hr.	10 years
902	<u>Brush chipper</u> -----	33.00/hr.	8 years
903	<u>Concrete mixer, 1/2 bag</u> -----	23.62/hr.	7 years
904	<u>Concrete mixer, 1 to 2 bag, inclusive</u> -----	20.62/hr.	7 years
906	<u>Mechanical tamper, self-powered</u> -----	26.16/hr.	8 years
907	<u>Ripper attachments for graders or tractors</u> -----	99.40/hr.	10 years
908	<u>Surge bin</u> -----	54.66/hr.	15 years
910	<u>Arrow board, self contained on trailer</u> -----	5.42/hr.	10 years
911	<u>Gravel conveyor</u> -----	36.02/hr.	12 years
912	<u>Mudjack</u> -----	46.52/hr.	10 years
914	<u>Portable power saw, chain or reciprocating</u> -----	8.68/hr.	3 years
915	<u>Post hole digger (auger), power attachment</u> -----	20.72/hr.	10 years
917	<u>Sand blaster (per nozzle)</u> -----	16.58/hr.	10 years
918	<u>Screening plant</u> -----	0.36/ton	10 years
918	<u>Screening plant</u> -----	0.48/c.y.	10 years
919	<u>Spring tooth or disc harrow attachment</u> -----	18.94/hr.	10 years
922	<u>Welder, electric, per 100 ampere capacity</u> <u>(does not include cost of welding rod)</u> -----	5.90/hr.	10 years
923	<u>Water pump, centrifugal</u> -----	20.76/hr.	5 years
924	<u>Water pump, diaphragm</u> -----	43.96/hr.	5 years
925	<u>Sprayer, multi-purpose stand alone, liquid distribution system,</u> <u>including tank, spray bar, nozzles, to be used for anti-icing, spot</u> <u>weed spraying or dust control.</u> -----	10.18/hr.	10 years
926	<u>Water tank, portable with pump and spray</u> <u>bars, exclusive of motive equipment (no</u> <u>charge may be made while in transit)</u> -----	18.58/hr.	8 years
927	<u>Weed eater (self propelled, hand operated</u> <u>line trimmer)</u> -----	8.10/hr.	3 years
928	<u>Post hole digger, powered</u> -----	134.46/hr.	6 years
929	<u>Pneumatic jack hammer or concrete pavement</u> <u>breaker attachments</u> -----	18.00/hr.	5 years
930	<u>Hydro-seeder with water supply</u> -----	49.04/hr.	10 years
931	<u>Mulch spreader with water supply</u> -----	68.38/hr.	10 years
932	<u>Brush cutter, (backhoe mounted on boom)</u> -----	36.92/hr.	5 years

<u>Class</u>	<u>Description</u>	<u>Rate</u>	<u>Est. Life</u>
933	<u>Shoulder drag</u> -----	38.96/hr.	10 years
934	<u>Concrete saw, through 9 hp. including blades</u> -----	56.20/hr.	3 years
935	<u>Concrete saw, 10 through 24 hp. including blades</u> -----	41.14/hr.	5 years
936	<u>Concrete saw, over 25 hp, without blades</u> -----	55.58/hr.	10 years
937	<u>Hot air lance</u> -----	10.94/hr.	5 years
938	<u>Pavement router/joint cleaner,</u> -----	56.92/hr.	5 years
939	<u>Field office, class A</u> -----	48.90/day	15 years
940	<u>Brush cutter (tractor mounted)</u> -----	26.66/hr.	3 years
941	<u>Bump burner, infrared or open flame grader attach</u> -----	84.14/hr.	12 years
942	<u>Post pusher/driver (wood or metal)</u> -----	8.92/hr.	12 years
944	<u>Tank, water (no spray bar)</u> -----	19.24/day	12 years
946	<u>Trailer, sign</u> -----	9.56/day	10 years
947	<u>Portable pressure washer (heated or not heated) - attached wheels, capacity thru 20 hp.</u> -----	30.72/hr.	10 years
948	<u>Aerial platform</u> -----	26.34/hr.	12 years
949	<u>Attenuator (truck mounted or towed)</u> -----	9.08/hr.	10 years
950	<u>Centerliner, mtd. on dual axle truck</u> -----	96.32/hr.	10 years
951	<u>Centerliner, mtd. on single axle truck</u> -----	99.28/hr.	12 years
952	<u>Liquid dust control, applicator only</u> -----	.92/gal	8 years
953	<u>Boom for mowers, attached to tractor</u> -----	9.76/hr.	10 years
954	<u>Sign truck, 23,000lbs and over, incl. storage cabinets and boom/auger</u> -----	36.78/hr.	6 years
955	<u>Tailgate conveyor</u> -----	22.08/hr.	12 years
956	<u>Hydraulic drill</u> -----	16.74/hr.	8 years
958	<u>Message board (programmable) maximum charge of 12 hours in a 24 hr. period.</u> -----	11.62/hr.	10 years
959	<u>Sign Truck, under 23,000 lbs. incl. storage cabinets and boom/auger</u> -----	30.40/hr.	6 years
960	<u>Portable pressure washer (heated or not heated) - attached wheels, capacity 21hp and greater</u> -----	33.76/hr.	10 years

Shaded rates indicate changes due to fuel adjustment and MMC actions of the April 23, 2008 meeting.