



**1.0 2017 Classified Equipment Rates Standard and Special Rated Units**

<u>Class</u>	<u>Description</u>	<u>Rate</u>	<u>Est. Life</u>
<b>AIR COMPRESSORS</b>			
Rates are for the compressor and pneumatic tools used with the compressor, except breakers, jackhammers (class 929), and wagon drills. Rates do not include equipment used to transport the compressor.			
<a href="#">402</a>	125 through 209 CFM -----	15.54/hr.	10 years
<a href="#">403</a>	210 CFM and over-----	18.46/hr.	10 years
<b>BITUMINOUS EQUIPMENT</b>			
<b>Note: Paver rates include the cost of automatic controls.</b>			
<a href="#">701</a>	Bitumen kettle, 1-2 bbls, inclusive, includes fuel -----	8.28/hr.	8 years
<a href="#">702</a>	Bitumen kettle, 3-5 bbls, inclusive, includes fuel -----	18.80/hr.	8 years
<a href="#">707</a>	Tank car heater (except wood or coal fired)-----	29.40/hr.	12 years
<a href="#">708</a>	Trailer style distributor, including tank and equipment, but not the truck-----	39.88/hr.	12 years
<a href="#">709</a>	Patch material heater and mixer (surge bin), trailer or truck mounted ----- <a href="#">(Alternate Photo)</a>	18.70/hr.	12 years
<a href="#">710</a>	Heating kettle, less than 300 gallons -----	37.16/hr.	8 years
<a href="#">711</a>	Heating kettle, 300 gallons or more -----	45.00/hr.	8 years
<a href="#">712</a>	Self-propelled paver and finishing machine -----	1.24/ton	8 years
<a href="#">712</a>	Self-propelled paver and finishing machine -----	1.84/c.y.	8 years
<a href="#">713</a>	Portable storage tank for oil/emulsion with heating unit; charge only for hours of heating or pumping-----	18.42/hr.	12 years
<a href="#">714</a>	Portable supply or storage tank for oil/emulsion -----	45.50/day	12 years
<a href="#">716</a>	Distributor, including truck, rear drive, 23,000 through 49,999 lbs-----	76.70/hr.	7 years
<a href="#">717</a>	Distributor, including truck, tandem rear drive, 23,000 through 49,999 lbs-----	46.50/hr.	9 years
<a href="#">718</a>	Distributor, including truck, tandem rear drive, 50,000 lbs and over-----	93.26/hr.	9 years
<a href="#">719</a>	Pavement profiler, 2' and under, not self-propelled -----	37.22/hr.	10 years
<a href="#">720</a>	Pavement profiler, self-propelled or not self-propelled over 2'----- <a href="#">(Alternate Photo)</a>	64.34/hr.	8 years
<b>GENERATORS, PORTABLE ELECTRIC</b>			
<a href="#">805</a>	3,001 watt output through 10,000 watt output-----	9.70/hr.	12 years
<a href="#">806</a>	10,001 watt output and over-----	74.78/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), exclusive of attachments. Horsepower shall be in accordance with Society of Automotive Engineers (S.A.E.) standard 1349.

<a href="#">302</a>	Rear drive grader, less than 85 hp -----	35.94/hr.	10 years
<a href="#">305</a>	Rear drive grader, 85 hp through 149 hp -----	49.36/hr.	10 years
<a href="#">307</a>	Rear drive grader, 150 hp and greater -----	64.22/hr.	10 years
<a href="#">308</a>	All wheel drive grader, any hp -----	72.18/hr.	10 years
<a href="#">315</a>	Non-integrated, Slope control, used in grader -----	19.44/hr.	10 years

**GRADERS, TOW TYPE ATTACHMENT**

<a href="#">323</a>	Any number of blades ( <a href="#">Alternate Photo</a> ) -----	6.04/hr.	10 years
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**MAINTAINER ATTACHMENTS**

<a href="#">392</a>	Hydraulically operated return blade-----	4.46/hr.	10 years
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**MOWERS AND MOWER ATTACHMENTS**

<a href="#">410</a>	Motorized lawnmower, less than 60" cut-----	15.16/hr.	5 years
<a href="#">411</a>	Motorized lawnmower, 60" cut or more -----	19.00/hr.	5 years
<a href="#">412</a>	Disc bine attachment-----	21.88/hr.	10 years
<a href="#">413</a>	Single pan section, rotary or flail attachment -----	12.94/hr.	10 years
<a href="#">414</a>	Sickle bar attachment-----	15.58/hr.	10 years
<a href="#">415</a>	2 pan section (single unit), rotary or flail attachment-----	21.24/hr.	10 years
<a href="#">416</a>	3 pan section (single unit), rotary or flail attachment-----	23.00/hr.	10 years

**COMPACTORS**

<a href="#">531</a>	Tow-type, including sheepsfoot, vibrating and non-vibrating----- ( <a href="#">Alternate Photo</a> ) ( <a href="#">Alternate Photo</a> )	13.90/hr.	10 years
<a href="#">532</a>	Self-propelled, non-vibratory -----	42.40/hr.	10 years
<a href="#">533</a>	Self-propelled, vibratory, 1 through 2 tons-----	32.08/hr.	8 years
<a href="#">534</a>	Self-propelled, vibratory, over 2 tons-----	36.64/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.

<a href="#">546</a>	Scraper, single engine-----	60.56/hr.	10 years
<a href="#">547</a>	Scraper, twin-engine -----	130.92/hr.	10 years

**SHOULDERING MACHINES**

<a href="#">450</a>	Shoulder reclaimer <a href="#">(Alternate Photo)</a> -----	15.54/hr.	10 years
<a href="#">451</a>	Shoulder machine attachment-----	70.22/hr.	10 years
<a href="#">455</a>	Self-propelled, (road widener) -----	119.40/hr.	10 years

**EXCAVATORS**

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

<a href="#">552</a>	Truck mounted, including hydraulic cable operated combination backhoe units--	49.78/hr.	10 years
<a href="#">555</a>	Track-type backhoe, through 99 hp -----	41.58/hr.	10 years
<a href="#">557</a>	Self contained excavator, rubber tire -----	60.94/hr.	10 years
<a href="#">558</a>	Shovel, track-type (100 through 149 hp)-----	53.90/hr.	10 years
<a href="#">559</a>	Shovel, track-type (150 hp and over) -----	59.74/hr.	10 years

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

<a href="#">612</a>	Widening wing -----	20.80/hr.	10 years
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**SNOW PLOWS, TRUCK ATTACHMENTS**

<a href="#">632</a>	V-shape -----	27.66/hr.	10 years
<a href="#">633</a>	Power reversible, truck mounted -----	11.18/hr.	10 years
<a href="#">634</a>	One-way (including motor grader or tractor attachments) -----	9.32/hr.	10 years
<a href="#">635</a>	Widening wing -----	10.10/hr.	10 years
<a href="#">636</a>	Underbody, fixed moldboard -----	13.36/hr.	10 years
<a href="#">637</a>	Underbody, power reversible moldboard -----	15.96/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. The term "computer controlled" means that the controller receives a vehicle speed signal and a spreader feed signal (i.e., closed loop is terminology also used within the industry) and can be calibrated in pounds and liquid per mile. These controllers can be calibrated to apply the exact amount of granular and liquid material per mile at any speed.

<a href="#">420</a>	Spreader, tailgate mounted, computer controlled with on board pre-wetting system (may include anti-icing spray bar)-----	12.70/hr.	8 years
<a href="#">421</a>	Spreader, 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) -----	23.60/hr.	8 years
<a href="#">422</a>	Hopper type truck body with conveyor feeding material to power driven spinner type spreader, non-computerized, with on board pre-wetting system -----	18.00/hr.	8 years
<a href="#">424</a>	Tailgate mounted, non-computerized -----	10.56/hr.	8 years
<a href="#">425</a>	Hopper type truck body with conveyor feeding material to power driven spinner type spreader, non-computerized (without pre-wetting system)-----	22.14/hr.	8 years

<a href="#">426</a>	Tailgate mounted, computer controlled (without pre-wetting system) -----	10.60/hr.	8 years
<a href="#">427</a>	Hopper type truck body with conveyor feeding material to power driven spinner type spreader, computerized (without pre-wetting system) ----- <a href="#">(Alternate Photo)</a>	28.14/hr.	8 years
<a href="#">428</a>	Zero-velocity type spreader, includes 'pre-wetting' type system (may include anti-icing spray bar)-----	30.92/hr.	8 years

**SPREADERS, SELF-PROPELLED CHIP**

<a href="#">440</a>	Single width with mechanical extension-----	165.36/hr.	10 years
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**SWEEPERS AND ATTACHMENTS**

<a href="#">431</a>	Broom, power take-off or hydraulic pump driven, attached to separate vehicle class -----	30.54/hr.	10 years
<a href="#">432</a>	Broom, self-powered, pulled by separate vehicle-----	28.56/hr.	10 years
<a href="#">433</a>	Street sweeper, mechanical debris collection system, self-propelled -----	85.88/hr.	10 years
<a href="#">434</a>	Broom, self powered, self-propelled -----	40.56/hr.	10 years
<a href="#">435</a>	Vacuum debris collection system, with or without sweeper, self-propelled <a href="#">(Alternate Photo)</a> -----	73.10/hr.	10 years

**TRACTORS/SKID STEERS/END LOADERS/DOZERS**

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.

<a href="#">202</a>	Wheel-type, 12 through 34 hp -----	23.48/hr.	10 years
<a href="#">203</a>	Wheel-type, 35 through 49 hp -----	20.90/hr.	10 years
<a href="#">204</a>	Wheel-type, 50 through 64 hp -----	26.50/hr.	10 years
<a href="#">205</a>	Wheel-type, 65 through 79 hp -----	29.72/hr.	10 years
<a href="#">206</a>	Wheel-type, 80 through 99 hp -----	33.76/hr.	10 years
<a href="#">207</a>	Wheel-type, 100 through 149 hp-----	47.92/hr.	10 years
<a href="#">208</a>	Wheel-type, 150 through 214 hp-----	54.24/hr.	10 years
<a href="#">209</a>	Wheel-type, 215 hp and more -----	65.60/hr.	10 years
<a href="#">215</a>	Track-type dozer, through 79 hp-----	41.18/hr.	10 years
<a href="#">216</a>	Track-type dozer, 80 through 99 hp-----	44.10/hr.	10 years
<a href="#">217</a>	Track-type dozer, 100 through 149 hp-----	50.78/hr.	10 years
<a href="#">218</a>	Track-type dozer, 150 through 214 hp-----	73.56/hr.	10 years
<a href="#">219</a>	Track-type dozer, 215 hp and more-----	91.14/hr.	10 years
<a href="#">221</a>	Agricultural type tractor/skid steer, 4- wheel drive units, 20 through 64 hp----- <a href="#">(Alternate Photo)</a> <a href="#">(Alternate Photo)</a>	25.94/hr.	10 years
<a href="#">222</a>	Agricultural type tractor/skid steer, 4- wheel drive units, 65 through 79 hp----- <a href="#">(Alternate Photo)</a> <a href="#">(Alternate Photo)</a>	28.16/hr.	10 years

<a href="#">223</a>	Agricultural type tractor/skid steer, 4- wheel drive units, 80 through 99 hp-----	31.94/hr.	10 years
	<a href="#">(Alternate Photo)</a> <a href="#">(Alternate Photo)</a>		
<a href="#">224</a>	Agricultural type tractor/skid steer, 4- wheel drive units, 100 through 150 hp -----	40.08/hr.	10 years
<a href="#">250</a>	Backhoe/loader/tractor, (80 hp and over) -----	43.40/hr.	10 years

**TRAILERS**

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

<a href="#">490</a>	Less than 1 ton (use manufacturer's rated capacity) -----	10.26/hr.	10 years
<a href="#">491</a>	1 through 4 tons (use manufacturer's rated capacity) -----	12.94/hr.	10 years
<a href="#">493</a>	5 through 29 tons (use manufacturer's rated capacity)-----	22.38/hr.	10 years
<a href="#">496</a>	30 tons and over (use manufacturer's rated capacity)-----	37.40/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 in accordance with the truck washing parameters identified in HMM 02-25-01, Activity Codes. All other (non-winter) truck washing shall be charged to the truck unit.**

<a href="#">101</a>	Rear drive or 4wd, 15,000 lbs and less -----	14.72/hr.	6 years
<a href="#">103</a>	Rear drive or 4wd, 15,001 through 17,999 lbs-----	18.46/hr.	6 years
<a href="#">104</a>	Rear drive or 4wd, 18,000 through 22,999 lbs-----	24.10/hr.	6 years
<a href="#">106</a>	Rear drive or 4wd, 23,000 lbs through 49,999 lbs -----	47.66/hr.	10 years
<a href="#">112</a>	Rear drive or 4wd, more than 50,000 lbs <a href="#">(Alternate Photo)</a> -----	80.06/hr.	15 years
<a href="#">117</a>	Tandem rear drive through 49,999 lbs -----	45.20/hr.	9 years
<a href="#">118</a>	Tandem rear drive, 50,000 lbs and over -----	63.88/hr.	9 years
<a href="#">1118</a>	Tandem rear drive, 50,000 lbs and over, with tri-axles -----	59.04/hr.	9 years
<a href="#">1128</a>	Tandem rear drive, 50,000 lbs and over, with quad-axles -----	50.50/hr.	9 years

**VEHICLES**

<a href="#">114</a>	Automobiles -----	0.74/mile	100,000mi
115	Commissioner Vehicle (Administration Account) -----	set rate locally	100,000mi
<a href="#">119</a>	Vans and SUV's-----	15.68/hr.	5 years
120	Patrol superintendent vehicles -----	0.52/mile	100,000mi

**MISCELLANEOUS EQUIPMENT**

<a href="#">901</a>	Backhoe attachment/Grapple <a href="#">(Alternate Photo)</a> -----	8.34/hr.	10 years
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<a href="#">902</a>	Brush chipper-----	27.40/hr.	8 years
<a href="#">906</a>	Mechanical tamper, self-powered -----	26.76/hr.	8 years
<a href="#">907</a>	Ripper attachments for graders or tractors -----	61.20/hr.	10 years
<a href="#">908</a>	Surge bin-----	36.06/hr.	15 years
<a href="#">910</a>	Arrow board, self contained on trailer-----	3.44/hr.	10 years
<a href="#">911</a>	Conveyor-----	26.08/hr.	12 years
<a href="#">912</a>	Mudjack -----	38.16/hr.	10 years
<a href="#">915</a>	Post hole digger (auger), attachment -----	26.30/hr.	10 years
<a href="#">918</a>	Screening plant-----	0.34/ton	10 years
<a href="#">918</a>	Screening plant-----	0.52/c.y.	10 years
<a href="#">919</a>	Spring tooth or disc harrow attachment-----	7.70/hr.	10 years
<a href="#">922</a>	Welder, electric, per 100 amp capacity (does not include cost of welding rod) ----	3.12/hr.	10 years
<a href="#">923</a>	Water pump, centrifugal (with or without trailer) ( <a href="#">Alternate Photo</a> )-----	18.24/hr.	5 years
<a href="#">924</a>	Water pump, diaphragm -----	21.10/hr.	5 years
<a href="#">925</a>	Sprayer, multi-purpose stand alone, liquid distribution system, including tank, spray bar, nozzles, to be used for spot weed spraying or dust control, excluding anti-icing. -----	14.52/hr.	10 years
<a href="#">926</a>	Water tanker or portable tank with pump and spray bars, not for anti-icing, exclusive of motive equipment (no charge may be made while in transit)----- ( <a href="#">Alternate Photo</a> )	22.20/hr.	8 years
<a href="#">930</a>	Hydro-seeder with water supply-----	50.40/hr.	10 years
<a href="#">931</a>	Mulch spreader with water supply -----	59.44/hr.	10 years
<a href="#">932</a>	Brush cutter, (backhoe mounted on boom) ( <a href="#">Alternate Photo</a> )-----	29.68/hr.	5 years
<a href="#">933</a>	Shoulder drag-----	15.26/hr.	10 years
<a href="#">934</a>	Concrete saw, through 9 hp, including blades-----	54.70/hr.	3 years
<a href="#">935</a>	Concrete saw, 10 through 24 hp, including blades -----	38.00/hr.	5 years
<a href="#">936</a>	Concrete saw, 25 hp and over, includes blades -----	87.94/hr.	10 years
<a href="#">937</a>	Hot air lance -----	6.10/hr.	5 years
<a href="#">938</a>	Pavement router/joint cleaner/roto-cutter, asphalt, including bits -----	32.36/hr.	5 years
<a href="#">939</a>	Field office, Class A -----	105.48/day	15 years
<a href="#">940</a>	Brush cutter (tractor mounted)-----	18.26/hr.	3 years
<a href="#">941</a>	Bump burner, infrared or open flame grader attach -----	77.80/hr.	12 years
<a href="#">942</a>	Post pusher/driver (wood or metal)-----	14.78/hr.	12 years
<a href="#">946</a>	Trailer, sign-----	12.80/day	10 years

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<a href="#">947</a>	Portable pressure washer (heated or not heated) - attached wheels, capacity thru 20 hp -----	39.48/hr.	10 years
<a href="#">948</a>	Aerial platform (self-propelled or trailer mounted / not mounted on a truck) -----	17.42/hr.	12 years
<a href="#">949</a>	Attenuator (with or without arrow board) -----	8.60/hr.	10 years
<a href="#">950</a>	Centerliner, mounted on dual axle truck -----	68.90/hr.	10 years
<a href="#">951</a>	Centerliner, mounted on single axle truck -----	71.94/hr.	12 years
<a href="#">952</a>	Liquid dust control, applicator only -----	0.30/gal	8 years
<a href="#">953</a>	Boom for mowers, attached to tractor -----	13.70/hr.	10 years
<a href="#">954</a>	Sign truck, any combination of storage cabinets, auger and aerial platform (primarily used for installing signs) -----	27.08/hr.	6 years
<a href="#">955</a>	Tailgate conveyor or spreader box -----	23.54/hr.	12 years
<a href="#">956</a>	Hydraulic drill -----	16.88/hr.	8 years
<a href="#">958</a>	Message board (programmable) maximum charge of 12 hours in a 24 hr period -----	7.00/hr.	10 years
<a href="#">960</a>	Portable pressure washer (heated or not heated) - attached wheels, capacity 21 hp and greater -----	53.54/hr.	10 years
<a href="#">970</a>	Boom utility truck, any combination of storage cabinets, auger and man bucket (not primarily used for sign installation)-----	26.22/hr.	10 years



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

**Bureau of Highway Maintenance**  
**January 2017**

**1.0 2017 Non-standard Equipment Numeric Listing**

<u>Class</u>	<u>Description</u>	<u>Est. Life</u>	<u>2017 Rates</u>
9006	<a href="#">Air Compressor (&lt; 125 cu.ft.)</a>	10 years	14.76 /hr.
9011	<a href="#">Joint Cleaner (Blower)</a>	10 years	4.94 /hr.
9012	<a href="#">Bale Chopper or Mulcher, 25 hp or greater or PTO (Alternate Photo)</a>	10 years	52.10 /hr.
9013	<a href="#">Auger, Salt</a>	10 years	20.06 /hr.
9017	<a href="#">Concrete Repair Gun</a>	7 years	99.94 /hr.
9018	<a href="#">Curb Paver, Bituminous</a>	12 years	13.94 /hr.
9020	<a href="#">Crane, 45 tons, 104' boom</a>	15 years	set rate locally
9022	<a href="#">Boats (Pontoon)</a>	10 years	set rate locally
9023	<a href="#">Boats (Row)</a>	10 years	17.36 /day
9031	<a href="#">Landfill Compactor</a>	10 years	37.46 /hr.
9035	<a href="#">Crane (Up to 10 tons)</a>	15 years	32.54 /hr.
9036	<a href="#">Centerliner, push-type</a>	12 years	12.90 /hr.
9038	<a href="#">Cutter Crusher or Mulch Krimper (Alternate Photo)</a>	10 years	20.72 /hr.
9039	<a href="#">Conveyor w/ silo</a>	12 years	set rate locally
9041	<a href="#">Crane (10 to 18 tons)</a>	15 years	185.82 /hr.
9046	<a href="#">Golf Cart</a>	10 years	7.50 /hr.
9048	<a href="#">Drill, Grain</a>	10 years	21.02 /hr.
9050	<a href="#">Finishing Machine, gas power</a>	10 years	32.00 /hr.
9051	<a href="#">Elevator</a>	12 years	16.94 /hr.
9054	<a href="#">Hammer, hydraulic, 100 thru 1100 ft/lbs, CIMA rating</a>	10 years	24.44 /hr.
9061	<a href="#">Truck Bed System, hot box</a>	10 years	5.24 /hr.
9070	<a href="#">Crane, Hydraulic (Truck Mtd.)</a>	10 years	13.02 /hr.
9073	<a href="#">Landscape Box</a>	12 years	6.90 /hr.
9079	<a href="#">Cold Milling Machine, Over 80 hp</a>	12 years	set rate locally
9080	<a href="#">Mortar Mixer</a>	7 years	18.84 /hr.
9081	<a href="#">Patch Machine, spray-injection, trailer mounted</a>	12 years	35.08 /hr.
9082	<a href="#">Pothole Patcher, spray injection, truck mounted, single unit</a>	12 years	43.26 /hr.
9084	<a href="#">Pile Drivers</a>	12 years	set rate locally
9087	<a href="#">Pug Mill</a>	12 years	set rate locally
9088	<a href="#">Portable Traffic Signals, max 12/hr/day, 4 unit sets, includes trailer</a>	7 years	21.96 /hr.
9089	<a href="#">Paver, tailgate</a>	12 years	17.80 /hr.
9090	<a href="#">Plows, rotary (mtd. on sm. trac.)</a>	5 years	35.26 /hr.
9091	<a href="#">Snow Pusher, 13' and above</a>	10 years	24.90 /hr.
9092	<a href="#">Retro-reflectometer</a>	10 years	set rate locally
9095	<a href="#">Snow Blower, rotary, hydraulic or PTO driven, does not use fuel</a>	10 years	223.18 /hr.
9109	<a href="#">Roller, push-type vibrating</a>	8 years	16.58 /hr.
9111	<a href="#">Speed Monitor (all)</a>	10 years	3.48 /day



9112	<a href="#">Router</a>	10 years	set rate locally
9113	<a href="#">Rake, rock</a>	10 years	29.14 /hr.
9114	<a href="#">Roto-tiller (attachment)</a>	8 years	20.36 /hr.
9118	<a href="#">Scaffolding w/ electric hoist</a>	15 years	set rate locally
9128	<a href="#">Scaffolding (staging)</a>	15 years	21.68 /day
9130	<a href="#">Scaffolding (sections)</a>	15 years	157.60 /sec/mo
9133	<a href="#">Scraper, tow behind</a>	10 years	set rate locally
9134	<a href="#">Scraper, truck style</a>	10 years	56.12 /hr.
9141	<a href="#">Sewer Cleaner</a>	10 years	85.50 /hr.
9142	<a href="#">Shredder, Dirt</a>	10 years	88.24 /hr.
9149	<a href="#">Sign Maker</a>	10 years	5.64 /hr.
9150	<a href="#">Stump Cutter, self powered</a>	10 years	40.60 /hr.
9151	<a href="#">Heater, Patch, tailgate</a>	8 years	9.54 /hr.
9152	<a href="#">Stump Cutter, hydraulic</a>	10 years	33.90 /hr.
9155	<a href="#">Spray Bar Applicator, multiple purpose, including anti-icing liquid application system, with 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</a>	8 years	31.52 /hr.
9156	<a href="#">Spreader, Mini</a>	8 years	set rate locally
9159	<a href="#">Transit, Laser</a>	10 years	8.94 /hr.
9160	<a href="#">Survey Equip Total Station</a>	10 years	19.84/hr.
9161	<a href="#">Survey Equip Instrument</a>	10 years	set rate locally
9162	<a href="#">Survey Equip GPS</a>	10 years	12.92/hr.
9163	Survey Equip	10 years	set rate locally
9165	Survey Equip GPS	6 years	set rate locally
9168	<a href="#">Trailer, Construction Shed</a>	10 years	42.74 /day
9175	<a href="#">Trenching Shield</a>	10 years	212.50 /day
9176	<a href="#">Trencher</a>	10 years	set rate locally
9177	<a href="#">Trench Compactor</a>	10 years	208.82 /hr.
9178	<a href="#">Earth Saw or Trenching attachment (Alternate Photo)</a>	10 years	94.86 /hr.
9186	<a href="#">Screed, vibt. strike-off</a>	10 years	128.60 /hr.
9198	<a href="#">Wrench for train cars</a>	7 years	34.00 /hr.
9199	<a href="#">Culvert Steamer/Pressure Washer, trailer or skid mounted</a>	10 years	30.00 /hr.
9201	<a href="#">All Terrain Vehicle</a>	10 years	24.36 /hr.
9206	<a href="#">Reclaimer, Over 400 hp, 96" (teeth charged to project)</a>	10 years	306.74 /hr.
9207	<a href="#">Reclaimer, Under 400 hp (teeth charged to project)</a>	10 years	219.48 /hr.
9208	<a href="#">Profiler, planer small</a>	8 years	56.24 /hr.
9209	<a href="#">Re-enforcement Rod</a>	10 years	set rate locally
9230	<a href="#">Scrubber, Floor</a>	10 years	set rate locally
9231	<a href="#">Scraper (Seprt. wheel, cable)</a>	10 years	17.34 /hr.
9232	<a href="#">Scraper (10 to 14 cu. yds.)</a>	10 years	set rate locally
9235	<a href="#">Conveyor, Electric (20 hp/36" x 50")</a>	12 years	27.20 /hr.
9236	<a href="#">Conveyor, Stainless, hydraulic 70'</a>	12 years	107.94 /hr.
9240	<a href="#">Fence Installer (for silt)</a>	10 years	44.14 /hr.

9241	<a href="#">Sewer Cleaner large, on trailer</a>	10 years	49.22 /hr.
9246	<a href="#">Generator, electric (over 20 kw)</a>	12 years	25.12 /hr.
9247	<a href="#">Shovel, over 200 hp</a>	10 years	46.80 /hr.
9251	<a href="#">Feeder Hopper</a>	5 years	set rate locally
9254	<a href="#">Hammer, hydraulic, 1101 ft/lbs and over CIMA rating</a>	10 years	41.34 /hr.
9255	<a href="#">Spray Bar Applicator, multiple purpose, including 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</a>	8 years	14.16 /hr.
9256	<a href="#">Spray Bar Applicator, multiple purpose, including 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</a>	8 years	38.20 /hr.
9257	<a href="#">Spray Bar Applicator, multiple purpose, including 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</a>	8 years	24.82 /hr.
9258	<a href="#">Sweeper, Floor</a>	5 years	86.94 /day
9260	<a href="#">Compactor, Hydraulic</a>	10 years	61.78 /hr.
9265	<a href="#">Trailer, Live Bottom (w/ conveyor)</a>	7 years	set rate locally
9272	<a href="#">Asphalt Wedger, with or without engine</a>	5 years	51.52 /hr.
9275	<a href="#">Truck, Mobile Public Assistance Vehicle</a>	5 years	33.92 /hr.
9284	<a href="#">Bale Chopper/Mulcher, less than 25 hp</a>	10 years	36.62 /hr.
9286	<a href="#">Welder or Generator (Alternate photo)</a>	10 years	25.96 /hr.
9296	<a href="#">Snow Blower, powered by engine, rotary plow, integral unit, used exclusively for snow plowing and uses motor fuel</a>	10 years	185.20 /hr.
9298	<a href="#">Post Pounder</a>	10 years	30.00 /hr.
9310	<a href="#">Compactor, gyrating</a>	6 years	set rate locally
9312	<a href="#">Boom Lift, towed on own trailer</a>	10 years	39.46 /hr.
9336	<a href="#">Centerliner</a>	10 years	107.86 /hr.
9340	<a href="#">Crane, 8.5 carry deck, platform</a>	10 years	set rate locally
9346	<a href="#">Dowel Drill</a>	10 years	127.52 /hr.
9347	<a href="#">Hopper Conveyor, skid mtd.</a>	6 years	set rate locally
9348	<a href="#">Hopper Feeder for spreader (to shed)</a>	8 years	40.40 /hr.
9349	<a href="#">Spreader, v-box insert, small, self-contained</a>	8 years	58.80 /hr.
9351	<a href="#">Forklift, VERY lg, 110 hp telesc. reach</a>	10 years	85.50 /hr.
9352	<a href="#">Forklift</a>	10 years	49.54 /hr.
9354	<a href="#">Hammer, Hydraulic, stand alone</a>	10 years	106.36 /hr.
9355	<a href="#">Rock Box</a>	10 years	201.34 /hr.
9356	<a href="#">Sweeper, Lawn</a>	10 years	set rate locally
9357	<a href="#">Sweeper, regen., mtd. on 2 axles</a>	10 years	set rate locally
9360	<a href="#">Chip Spreader, hydra. ext.</a>	10 years	186.42 /hr.
9372	<a href="#">Light Tower</a>	15 years	14.72 /hr.
9375	<a href="#">Vacuum, (Jet Vac)</a>	10 years	113.98 /hr.
9377	<a href="#">Vegetation Unit</a>	10 years	32.46/hr.
9387	<a href="#">Emergency response trailer, fully enclosed with area that could be used as a command center with radio communications</a>	12 years	193.16 /day

9388	<a href="#">Emergency response trailer, fully enclosed without area for command center operations</a>		set rate locally
9389	<a href="#">Emergency response trailer – open trailer for transporting supplies and tools to the incident</a>		set rate locally
9400	<a href="#">Crane (75 tons and over)</a>	15 years	set rate locally
9404	<a href="#">Snow Blower, rotary, powered by engine, uses motor fuel</a>	10 years	256.18/hr.
9406	<a href="#">Brush Chipper, 3 point tractor mounted</a>	10 years	15.00/hr.
9408	<a href="#">Brush Cutter and Mulcher, hydraulic driven, equipment mounted</a>	10 years	set rate locally
9410	<a href="#">Infrared Asphalt Heater, trailer mounted</a>	20 years	set rate locally
9412	<a href="#">Offset Hitch</a>	10 years	20.10/hr.
9414	<a href="#">Skid Steer Mounted Shoulder Machine</a>	10 years	16.82/hr.
9416	<a href="#">Temporary Portable Rumble Strips (12 strip set, includes carrier)</a>	5 years	30.00/day
9418	<a href="#">Truck Mount Mower, includes truck, boom and power source</a>	10 years	47.60/hr.
9420	Shot Blaster, includes vacuum	5 years	set rate locally

### **2017 Non-standard Equipment Alphabetical Listing**

9006	<a href="#">Air Compressor (&lt; 125 cu.ft.)</a>	10 years	14.76 /hr.
9201	<a href="#">All Terrain Vehicle</a>	10 years	24.36 /hr.
9272	<a href="#">Asphalt Wedger, with or without engine</a>	5 years	51.52 /hr.
9013	<a href="#">Auger, Salt</a>	10 years	20.06 /hr.
9012	<a href="#">Bale Chopper or Mulcher, 25 hp and greater or PTO (Alternate Photo)</a>	10 years	52.10 /hr.
9284	<a href="#">Bale Chopper/Mulcher, less than 25 hp</a>	10 years	36.62 /hr.
9022	<a href="#">Boats (Pontoon)</a>	10 years	set rate locally
9023	<a href="#">Boats (Row)</a>	10 years	17.36 /day
9312	<a href="#">Boom Lift, towed on own trailer</a>	10 years	39.46 /hr.
9406	<a href="#">Brush Chipper, 3 point tractor mounted</a>	10 years	15.00 /hr.
9408	<a href="#">Brush Cutter and Mulcher, hydraulic driven, equipment mounted</a>	10 years	set rate locally
9036	<a href="#">Centerliner, push-type</a>	12 years	12.90 /hr.
9336	<a href="#">Centerliner</a>	10 years	107.86 /hr.
9360	<a href="#">Chip Spreader, hydra. ext.</a>	10 years	186.42 /hr.
9079	<a href="#">Cold Milling Machine, Over 80 hp</a>	12 years	set rate locally
9310	<a href="#">Compactor, Gyrating</a>	6 years	set rate locally
9260	<a href="#">Compactor, Hydraulic</a>	10 years	61.78 /hr.
9017	<a href="#">Concrete Repair Gun</a>	7 years	99.94 /hr.
9235	<a href="#">Conveyor, Electric (20 hp/36" x 50")</a>	12 years	27.20 /hr.
9236	<a href="#">Conveyor, Stainless Hydraulic 70'</a>	12 years	107.94 /hr.
9039	<a href="#">Conveyor w/ silo</a>	12 years	set rate locally
9070	<a href="#">Crane, Hydraulic (Truck Mtd.)</a>	10 years	13.02 /hr.
9400	<a href="#">Crane (75 tons and over)</a>	15 years	set rate locally
9041	<a href="#">Crane (10 to 18 tons)</a>	15 years	185.82 /hr.
9035	<a href="#">Crane (Up to 10 tons)</a>	15 years	32.54 /hr.
9020	<a href="#">Crane, 45 tons, 104' boom</a>	15 years	set rate locally
9340	<a href="#">Crane, 8.5 carry deck, platform</a>	10 years	set rate locally
9199	<a href="#">Culvert Steamer/Pressure Washer, trailer or skid mounted</a>	10 years	30.00 /hr.

9018	<a href="#">Curb Paver, Bituminous</a>	12 years	13.94 /hr.
9038	<a href="#">Cutter Crusher or Mulch Krimper (Alternate Photo)</a>	10 years	20.72 /hr.
9346	<a href="#">Dowel Drill</a>	10 years	127.52 /hr.
9048	<a href="#">Drill, Grain</a>	10 years	21.02 /hr.
9178	<a href="#">Earth Saw or Trenching attachment (Alternate Photo)</a>	10 years	94.86 /hr.
9051	<a href="#">Elevator</a>	12 years	16.94 /hr.
9387	<a href="#">Emergency response trailer, fully enclosed with area that could be used as a command center with radio communications</a>	12 years	193.16 /day
9388	<a href="#">Emergency response trailer, fully enclosed without area for command center operations</a>		set rate locally
9389	<a href="#">Emergency response trailer – open trailer for transporting supplies and tools to the incident</a>		set rate locally
9251	<a href="#">Feeder Hopper</a>	5 years	set rate locally
9240	<a href="#">Fence Installer (for silt)</a>	10 years	44.14 /hr.
9050	<a href="#">Finishing Machine, gas power</a>	10 years	32.00 /hr.
9352	<a href="#">Forklift</a>	10 years	49.54 /hr.
9351	<a href="#">Forklift, VERY lg., 110 hp telescopic reach</a>	10 years	85.50 /hr.
9246	<a href="#">Generator, electric (over 20 kw)</a>	12 years	25.12 /hr.
9046	<a href="#">Golf Cart</a>	10 years	7.50 /hr.
9054	<a href="#">Hammer, Hydraulic, 100 thru 1100 ft/lbs CIMA rating</a>	10 years	24.44 /hr.
9254	<a href="#">Hammer, Hydraulic, 1101 ft/lbs and over CIMA rating</a>	10 years	41.34 /hr.
9354	<a href="#">Hammer, Hydraulic, stand alone</a>	10 years	106.36 /hr.
9151	<a href="#">Heater, patch, tailgate</a>	8 years	9.54 /hr.
9347	<a href="#">Hopper Conveyor, skid mtd.</a>	6 years	set rate locally
9348	<a href="#">Hopper Feeder for spreader (to shed)</a>	8 years	40.40 /hr.
9410	<a href="#">Infrared Asphalt Heater, trailer mounted</a>	20 years	set rate locally
9011	<a href="#">Joint Cleaner (Blower)</a>	10 years	4.94 /hr.
9031	<a href="#">Landfill Compactor</a>	10 years	37.46 /hr.
9073	<a href="#">Landscape Box</a>	12 years	6.90 /hr.
9372	<a href="#">Light Tower</a>	15 years	14.72 /hr.
9080	<a href="#">Mortar Mixer</a>	7 years	18.84 /hr.
9412	<a href="#">Offset Hitch</a>	10 years	20.10/hr.
9081	<a href="#">Patch Machine, spray-injection, trailer mounted</a>	12 years	35.08 /hr.
9089	<a href="#">Paver, Tailgate</a>	12 years	17.80 /hr.
9084	<a href="#">Pile Drivers</a>	12 years	set rate locally
9090	<a href="#">Plows, Rotary (mtd. on sm. trac.)</a>	5 years	35.26 /hr.
9088	<a href="#">Portable Traffic Signals Max 12/hr/day, 4unit sets, includes trailer</a>	7 years	21.96 /hr.
9298	<a href="#">Post Pounder</a>	10 years	30.00 /hr.
9082	<a href="#">Pothole Patcher, spray-injection, truck mounted, single unit</a>	12 years	43.26 /hr.
9208	<a href="#">Profiler, Planer small</a>	8 years	56.24 /hr.
9087	<a href="#">Pug Mill</a>	12 years	set rate locally
9113	<a href="#">Rake, rock</a>	10 years	29.14 /hr.
9206	<a href="#">Reclaimer, Over 400 hp, 96" (teeth charged to project)</a>	10 years	306.74 /hr.
9207	<a href="#">Reclaimer, Under 400 hp (teeth charged to project)</a>	10 years	219.48 /hr.

9209	<a href="#">Re-enforcement Rod</a>	10 years	set rate locally
9092	<a href="#">Retro-reflectometer</a>	10 years	set rate locally
9355	<a href="#">Rock Box</a>	10 years	201.34 /hr.
9109	<a href="#">Roller, push-type vibrating</a>	8 years	16.58 /hr.
9112	<a href="#">Router</a>	10 years	set rate locally
9114	<a href="#">Roto-tiller (attachment)</a>	8 years	20.36 /hr.
9130	<a href="#">Scaffolding (sections)</a>	15 years	157.60 /sec/mo
9128	<a href="#">Scaffolding (staging)</a>	15 years	21.68 /day
9118	<a href="#">Scaffolding w/ electric hoist</a>	15 years	set rate locally
9232	<a href="#">Scraper (10 to 14 cu. yds.)</a>	10 years	set rate locally
9231	<a href="#">Scraper (Seprt. wheel, cable)</a>	10 years	17.34 /hr.
9133	<a href="#">Scraper, tow behind</a>	10 years	set rate locally
9134	<a href="#">Scraper, truck style</a>	10 years	56.12 /hr.
9186	<a href="#">Screed, vibrt. strike-off</a>	10 years	128.60 /hr.
9230	<a href="#">Scrubber, Floor</a>	10 years	set rate locally
9141	<a href="#">Sewer Cleaner</a>	10 years	85.50 /hr.
9241	<a href="#">Sewer Cleaner large, on trailer</a>	10 years	49.22 /hr.
9420	Shot Blaster, includes vacuum	5 years	set rate locally
9247	<a href="#">Shovel, over 200 hp</a>	10 years	46.80 /hr.
9142	<a href="#">Shredder, Dirt</a>	10 years	88.24 /hr.
9149	<a href="#">Sign Maker</a>	10 years	5.64 /hr.
9414	<a href="#">Skid Steer Mounted Shoulder Machine</a>	10 years	16.82 /hr.
9095	<a href="#">Snow Blower, rotary, hydraulic or PTO driven, does not use fuel</a>	10 years	223.18 /hr.
9404	<a href="#">Snow Blower, rotary, powered by engine, uses motor fuel</a>	10 years	256.18 /hr.
9296	<a href="#">Snow Blower, powered by engine, rotary plow, integral unit, used exclusively for snow plowing and uses motor fuel</a>	10 years	185.20 /hr.
9091	<a href="#">Snow Pusher, 13' and above</a>	10 years	24.90 /hr.
9111	<a href="#">Speed Monitor (all)</a>	10 years	3.48 /day
9155	<a href="#">Spray Bar Applicator, multiple purpose, including anti-icing liquid application system, with 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</a>	8 years	31.52 /hr.
9256	<a href="#">Spray Bar Applicator, multiple purpose, including anti-icing liquid application system, with 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</a>	8 years	38.20 /hr.
9255	<a href="#">Spray Bar Applicator, multiple purpose, including anti-icing liquid application system, without 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</a>	8 years	14.16 /hr.
9257	<a href="#">Spray Bar Applicator, multiple purpose, including anti-icing liquid application system, without 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</a>	8 years	24.82 /hr.
9156	<a href="#">Spreader, Mini</a>	8 years	set rate locally
9349	<a href="#">Spreader, v-box insert, small, self-contained</a>	8 years	58.80 /hr.
9152	<a href="#">Stump Cutter, Hydraulic</a>	10 years	33.90 /hr.

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9150	<a href="#">Stump Cutter, Self Powered</a>	10 years	40.60 /hr.
9163	Survey Equip	10 years	set rate locally
9162	<a href="#">Survey Equip GPS</a>	10 years	12.92/hr.
9165	Survey Equip GPS	6 years	set rate locally
9160	<a href="#">Survey Equip Total Station</a>	10 years	19.84/hr.
9258	<a href="#">Sweeper, Floor</a>	5 years	86.94 /day
9356	<a href="#">Sweeper, Lawn</a>	10 years	set rate locally
9357	<a href="#">Sweeper, regen., mtd. on 2 axles</a>	10 years	set rate locally
9416	<a href="#">Temporary Portable Rumble Strips (12 strip set, includes carrier)</a>	5 years	30.00/day
9168	<a href="#">Trailer, Construction Shed</a>	10 years	42.74 /day
9265	<a href="#">Trailer, Live Bottom (w/conveyor)</a>	7 years	set rate locally
9159	<a href="#">Transit, Laser</a>	10 years	8.94 /hr.
9177	<a href="#">Trench Compactor</a>	10 years	208.82 /hr.
9176	<a href="#">Trencher</a>	10 years	set rate locally
9175	<a href="#">Trenching Shield</a>	10 years	212.50 /day
9061	<a href="#">Truck bed system, hot box</a>	10 years	5.24 /hr.
9275	<a href="#">Truck, Mobile Public Assistance Vehicle</a>	5 years	33.92 /hr.
9418	<a href="#">Truck Mount Mower, includes truck, boom and power source</a>	10 years	47.60 /hr.
9375	<a href="#">Vacuum, (Jet Vac)</a>	10 years	113.98 /hr.
9377	<a href="#">Vegetation Unit</a>	10 years	32.46 /hr.
9286	<a href="#">Welder or Generator (Alternate Photo)</a>	10 years	25.96 /hr.
9198	<a href="#">Wrench for train cars</a>	7 years	34.00 /hr.



**1.0 2017 Composite Rates**

<b>Class</b>	<b>Description</b>	<b>Rate</b>
<b>SNOW PLOWS, TRUCK ATTACHMENTS</b>		
632	V-shape	27.66/hr.
633	Power reversible, truck mounted	7.48/hr.
634	One-way (including motor grader or tractor attachments)	6.66/hr.
635	Widening wing	6.14/hr.
636	Underbody, fixed moldboard	6.98/hr.
637	Underbody, power reversible moldboard	8.88/hr.

**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.

420	Spreader, tailgate mounted, computer controlled with on-board pre-wetting system (may include anti-icing spray bar)	6.96/hr.
421	Spreader, 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)	10.90/hr.
422	Hopper type truck body with conveyor feeding material to power driven spinner type spreader, non-computerized, with on board pre-wetting system	8.84/hr.
424	Tailgate mounted, non-computerized	3.74/hr.
425	Hopper type truck body with conveyor feeding material to power driven spinner type spreader, non-computerized (without pre-wetting system)	10.84/hr.
426	Tailgate mounted, computer controlled (without pre-wetting system)	4.66/hr.
427	Hopper type truck body with conveyor feeding material to power driven spinner type spreader, computerized (without pre-wetting system)	8.80/hr.
428	Zero-velocity type spreader, includes 'pre-wetting' type system (may include anti-icing spray bar)	3.06/hr.