



Highway Maintenance Manual  
Chapter 02 Administration  
Section 25 Cost Invoicing  
Subject 50 Classified Equipment Rates

Bureau of Highway Maintenance

Effective August 2025

[Standard Equipment Pictures](#)

Class	Description	Est. Life	Rate	Type
AIR COMPRESSORS				
	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.			
402	125 through 209 CFM	10 years	20.94	Hr
403	210 CFM and over	10 years	26.58	Hr
BITUMINOUS EQUIPMENT				
	Note: Paver rates include the cost of automatic controls			
702	Bitumen kettle, 1-5 barrels, inclusive, includes fuel	8 years	28.40	Hr
705	Patch Machine, spray-injection, trailer mounted	12 years	55.06	Hr
706	Truck Bed System, hot box	10 years	7.08	Hr
707	Tank car heater (except wood or coal fired)	12 years	27.54	Hr
708	Trailer style distributor, including tank and equipment, but not the truck	12 years	53.32	Hr
709	Patch material heater and mixer (surge bin), trailer or truck mounted	12 years	19.04	Hr
710	Heating kettle, less than 300 gallons, includes Mastic Kettle	8 years	55.26	Hr
711	Heating kettle, 300 gallons or more, includes Mastic Kettle	8 years	61.18	Hr
712	Self-propelled paver and finishing machine	8 years	1.96	Ton
713	Portable storage tank for oil/emulsion with heating unit;charge only for hours of heating or pumping	12 years	55.66	Hr
714	Portable supply or storage tank for oil/emulsion	12 years	693.02	Day
716	Distributor, including truck, rear drive, 23,000 through 55,000 lbs	7 years	93.78	Hr
718	Distributor, including truck, tandem rear drive, 55,001 lbs and over	9 years	130.60	Hr
719	Pavement profiler, 2' and under, not self-propelled	10 years	61.68	Hr
720	Pavement profiler, self-propelled or not self-propelled over 2'	8 years	94.30	Hr
730	Chip Spreader with or without mechanical extension	10 years	241.52	Hr
GENERATORS, PORTABLE ELECTRIC				
805	3,001 watt output through 10,000 watt output	12 years	39.70	Hr
806	10,001 watt output and over	12 years	72.58	Hr
GRADERS, MOTOR				
	Note: The cost of automatic controls (i.e. lasers) is <u>not</u> 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.			
305	Rear drive grader, 1 hp through 149 hp	10 years	76.56	Hr
307	Rear drive grader, 150 hp and greater	10 years	79.94	Hr
308	All wheel drive grader, any hp	10 years	93.80	Hr
315	Non-integrated, Slope control, used in grader	10 years	23.12	Hr
GRADERS, TOW TYPE ATTACHMENT				
323	Grader pull-type/tow type attachment	10 years	12.84	Hr
MOWERS AND MOWER ATTACHMENTS				
412	Disc bine attachment	10 years	39.84	Hr
413	Single pan section, rotary or flail attachment or sickle bar	10 years	19.20	Hr
415	2 pan section (single unit), rotary or flail attachment	10 years	29.48	Hr
416	3 pan section (single unit), rotary or flail attachment	10 years	30.50	Hr
419	Drum style attachment with blades, Hydraulic driven, Skidloader/Tractor/Boom mounted	10 years	42.30	Hr
429	Boom for mowers, attached to tractor	10 years	21.18	Hr
COMPACTORS				
531	Tow-type, including sheepsfoot, vibrating and non-vibrating	10 years	18.48	Hr
532	Self-propelled, non-vibratory	10 years	54.24	Hr
533	Self-propelled, vibratory, 1 through 5 tons	8 years	41.12	Hr
534	Self-propelled, vibratory, over 5 tons	8 years	48.78	Hr
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	Scraper, single engine	10 years	185.84	Hr
547	Scraper, twin-engine	10 years	139.20	Hr
SHOULDERING MACHINES				
450	Shoulder reclaimer	10 years	20.40	Hr
451	Shoulder machine attachment	10 years	97.94	Hr
455	Self-propelled, (road widener)	10 years	159.32	Hr
EXCAVATORS				

<u>Class</u>	<u>Description</u>	<u>Est. Life</u>	<u>Rate</u>	<u>Type</u>
	<b>Complete units classified by capacity, including the truck or tractor. Capacity is based on manufacturer's rating.</b>			
<b>552</b>	Truck mounted, including hydraulic cable operated combination backhoe units	10 years	57.56	Hr
<b>555</b>	Track-type backhoe, through 99 hp	10 years	58.78	Hr
<b>557</b>	Self contained excavator, rubber tire	10 years	67.52	Hr
<b>558</b>	Shovel, track-type (100 through 149 hp)	10 years	59.12	Hr
<b>559</b>	Shovel, track-type (150 hp and over)	10 years	77.70	Hr
	<b>SNOW PLOWS, MOTOR GRADER AND TRACTOR ATTACHMENTS</b>			
<b>612</b>	Widening and shelving wing	10 years	38.06	Hr
	<b>SNOW PLOWS, ATTACHMENTS</b>			
<b>631</b>	Tow Plow, steerable trailer-mounted plow pulled behind a snowplow truck, inclusive of attachments: single or dual blade, tanks, spreaders, and spray bar.	10 years	112.72	Hr
<b>632</b>	V-shape	10 years	40.38	Hr
<b>633</b>	Power reversible	10 years	16.10	Hr
<b>634</b>	One-way (including motor grader or tractor attachments)	10 years	13.48	Hr
<b>635</b>	Truck/Loader Mounted Wing	10 years	15.46	Hr
<b>636</b>	Underbody, fixed moldboard	10 years	17.26	Hr
<b>637</b>	Underbody, power reversible moldboard	10 years	23.80	Hr
	<b>SPREADER ATTACHMENTS</b>			
	<b>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.</b>			
<b>424</b>	Tailgate mounted, non-computerized	8 years	11.88	Hr
<b>425</b>	Hopper type truck body with conveyor feeding material to power driven spinner type spreader, non-computerized	8 years	26.70	Hr
<b>426</b>	Tailgate mounted, computer controlled	8 years	15.80	Hr
<b>427</b>	Hopper type truck body with conveyor feeding material to power driven spinner type spreader, computerized	8 years	33.20	Hr
<b>428</b>	Zero-velocity type spreader, includes 'pre-wetting' type system (may include anti-icing spray bar)	8 years	30.44	Hr
<b>638</b>	Spray bar applicator/Brine (pre-wet) tank(s), nozzles, pumps, hardware-tank size 0 gallons to 500 gallons for plow trucks	8 years	8.42	Hr
<b>639</b>	Spray bar applicator/Brine (pre-wet) tank(s), nozzles, pumps, hardware-tank size 501 gallons to 1,000 gallons for plow trucks	8 years	18.44	Hr
<b>640</b>	Spray bar applicator/Brine (pre-wet) tank(s), nozzles, pumps, hardware-tank size 1,001 gallons and greater for plow trucks	8 years	31.86	Hr
<b>641</b>	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 <b>0 to 2000 gallons</b> , non-plow truck	8 years	56.26	Hr
<b>642</b>	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 <b>0 to 2000</b> gallons, non plow truck	8 years	23.40	HR.
<b>643</b>	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 <b>2001 gallons and greater</b> , non plow truck	8 years	36.54	HR.
<b>644</b>	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 <b>2001 gallons and greater</b> , non plow truck	8 years	39.88	HR.
	<b>SWEEPERS AND ATTACHMENTS</b>			
<b>431</b>	Broom, self-powered, power take-off or hydraulic pump driven, pulled by separate vehicle	10 years	45.84	Hr
<b>433</b>	Street sweeper, mechanical debris collection system, self-propelled	10 years	136.94	Hr
<b>434</b>	Broom, self powered, self-propelled	10 years	63.66	Hr
<b>435</b>	Vacuum debris collection system, with or without sweeper, self-propelled	11 years	103.76	Hr
	<b>TRACTORS/SKID STEERS/END LOADERS/DOZERS</b>			
	<b>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.</b>			
<b>251</b>	Backhoe/loader/tractor, (80 hp and over)	10 years	81.58	Hr
<b>252</b>	Tractors and Lawnmowers, with wheels, up to 30 Hp	10 years	30.86	Hr
<b>253</b>	Tractors and Lawnmowers, with wheels, 31-49 Hp	10 years	35.12	Hr
<b>254</b>	Tractors, with wheels, 50-74 Hp	10 years	44.14	Hr
<b>255</b>	Tractors, with wheels, 75 Hp and greater	10 years	36.08	Hr
<b>256</b>	Endloaders, Wheel-type, 50 through 99 hp	10 years	38.32	Hr
<b>257</b>	Endloaders, Wheel-type, 100 through 149 hp	10 years	57.64	Hr
<b>258</b>	Endloaders, Wheel-type, 150 through 214 hp	10 years	75.92	Hr
<b>259</b>	Endloaders, Wheel-type, 215 hp and greater	10 years	90.50	Hr

<u>Class</u>	<u>Description</u>	<u>Est. Life</u>	<u>Rate</u>	<u>Type</u>
<b>260</b>	Track-type dozer, 99 hp or less	10 years	59.84	Hr
<b>261</b>	Track-type dozer, 100 through 149 hp	10 years	68.58	Hr
<b>262</b>	Track-type dozer, 150 through 214 hp	10 years	75.72	Hr
<b>263</b>	Track-type dozer, 215 hp and greater	10 years	122.58	Hr
<b>264</b>	Agricultural type skid steer or toolcat, wheel or track, 20 through 64 hp	10 years	41.58	Hr
<b>265</b>	Agricultural type skid steer or toolcat, wheel or track, 65 through 79 hp	10 years	38.54	Hr
<b>266</b>	Agricultural type skid steer or toolcat, wheel or track, 80 through 99 hp	10 years	42.34	Hr
<b>267</b>	Agricultural type skid steer or toolcat, wheel or track, 100 Hp and greater	10 years	51.02	Hr
	<b>TRAILERS</b>			
	<b>Classification shall be based on the manufacturer's rated capacity for the specific model trailer</b>			
<b>490</b>	Less than 1 ton (use manufacturer's rated capacity)	10 years	7.88	Hr
<b>491</b>	1 through 4 tons (use manufacturer's rated capacity)	10 years	16.18	Hr
<b>492</b>	5 through 12 tons (use manufacturer's rated capacity)	10 years	24.56	Hr
<b>493</b>	13 through 29 tons (use manufacturer's rated capacity)	10 years	24.56	Hr
<b>496</b>	30 tons and over (use manufacturer's rated capacity)	10 years	55.48	Hr
	<b>TRUCKS</b>			
	<b>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.</b>			
	<b>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.</b>			
<b>101</b>	Rear drive or 4wd, 15,000 lbs and less	6 years	16.48	Hr
<b>103</b>	Rear drive or 4wd, 15,001 through 22,999 lbs	6 years	23.46	Hr
<b>106</b>	Rear drive, 23,000 lbs through 55,000 lbs	10 years	69.40	Hr
<b>112</b>	All wheel drive, more than 50,000 lbs	15 years	83.50	Hr
<b>116</b>	Semi-Tractor, single, tandem, or tri-axle to solely pull a trailer	9 years	55.20	Hr
<b>118</b>	2 axle and tandem rear drive	9 years	93.30	Hr
<b>121</b>	Sign Truck and all attachments required for sign installation (GVWR 0-20,000)	10 years	37.08	Hr
<b>122</b>	Sign Truck and all attachments required for sign installation (GVWR 20,001-34,000)	10 years	37.08	Hr
<b>123</b>	Sign Truck and all attachments required for sign installation (GVWR 34,001-49,000)	10 years	37.08	Hr
<b>124</b>	Sign Truck and all attachments required for sign installation (GVWR Greater than 49,000)	10 years	37.08	Hr
<b>1118</b>	Tandem rear drive, 50,000 lbs and over, with tri-axes	9 years	81.30	Hr
<b>1128</b>	Tandem rear drive, 50,000 lbs and over, with quad-axes	9 years	65.58	Hr
	<b>VEHICLES</b>			
<b>115</b>	Commissioner Vehicle (Administration Account)	100,000mi		Set Rate Locally
<b>120</b>	Patrol superintendent vehicles	100,000mi	0.70	Mi
	<b>MISCELLANEOUS EQUIPMENT</b>			
<b>901</b>	Backhoe attachment	10 years	18.74	Hr
<b>902</b>	Brush chipper	8 years	40.94	Hr
<b>906</b>	Mechanical tamper, self-powered	8 years	42.56	Hr
<b>907</b>	Ripper attachments for Graders/Tractors/Dozers	10 years	140.18	Hr
<b>908</b>	Surge bin	15 years	60.16	Hr
<b>910</b>	Arrow board, self contained on trailer or truck mounted	10 years	4.16	Hr
<b>911</b>	Conveyor, Under 70'	12 years	18.70	Hr
<b>912</b>	Conveyor, stainless or galvanized, hydraulic or electric, 70' or greater	12 years	156.50	Hr
<b>913</b>	Mudjack	10 years	130.62	Hr
<b>915</b>	Post hole digger (auger), quick attachment	10 years	33.44	Hr
<b>918</b>	Screening plant	10 years	0.68	Ton
<b>919</b>	Spring tooth or disc harrow attachment	10 years	24.40	Hr
<b>923</b>	Water pump 4" or greater, centrifugal (with or without trailer)	5 years	44.68	Hr
<b>924</b>	Water pump with a purchase price greater than the Field Small Tools threshold and a discharge diamter less than 4"	5 years	24.06	Hr
<b>925</b>	Primary use is spot weed spraying or dust control. Multi-purpose stand alone, liquid distribution system, which includes a tank, spray bar, nozzles, and <b>excludes anti-icing</b>	10 years	17.08	Hr
<b>926</b>	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)	8 Years	34.52	Hr
<b>930</b>	Hydro-seeder with water supply	10 years	59.38	Hr
<b>931</b>	Mulch spreader with water supply, 25 Hp or greater	10 years	72.54	Hr
<b>932</b>	Brush cutter, (backhoe mounted on boom), rotary that includes blades, hydraulically driven	5 years	33.98	Hr
<b>934</b>	Concrete saw, through 9 hp, including blades	3 years	77.88	Hr
<b>935</b>	Concrete saw, 10 through 24 hp, including blades	5 years	52.30	Hr

<u>Class</u>	<u>Description</u>	<u>Est. Life</u>	<u>Rate</u>	<u>Type</u>
<b>936</b>	Concrete saw, 25 hp and over, includes blades	10 years	91.98	Hr
<b>937</b>	Hot air lance	5 years	8.46	Hr
<b>938</b>	Pavement router/joint cleaner/roto-cutter, asphalt, including bits, with or without dust collection	5 years	56.62	Hr
<b>939</b>	Class A Construction Office/Shed	15 years	91.58	Day
<b>940</b>	Brush cutter (tractor mounted), rotary that includes blades	3 years	22.84	Hr
<b>941</b>	Bump burner, infrared or open flame grader/truck/trailer attach	12 years	221.38	Hr
<b>942</b>	Post pusher/driver/puller (wood or metal)	12 years	28.18	Hr
<b>946</b>	Trailer, sign	10 years	21.74	Day
<b>948</b>	Aerial platform (self-propelled or trailer mounted / not mounted on a truck) includes scissor lift	12 years	76.36	Hr
<b>949</b>	Attenuator (with or without arrow board) and/or message board	10 years	14.48	Hr
<b>950</b>	Centerliner, mounted on dual axle truck	10 years	138.90	Hr
<b>951</b>	Centerliner, mounted on single axle truck	12 years	120.64	Hr
<b>955</b>	Tailgate conveyor or spreader box	12 years	34.32	Hr
<b>957</b>	Portable Traffic Signals, max 12/hr/day, 4 unit sets, includes trailer	7 years	28.64	Hr
<b>958</b>	Message board (programmable)	10 years	6.24	Hr
<b>960</b>	Portable pressure washer (heated or not heated) - attached wheels, self-contained water source	10 years	77.76	Hr
<b>961</b>	Vacuum, (Jet Vac)	10 years	70.72	Hr
<b>962</b>	GPS Grade Controller	10 years	18.94	Hr
<b>963</b>	Survey Equip GPS	10 years	9.32	Hr
<b>964</b>	Portable pressure washer (heated or not heated) - attached wheels, capacity thru 20 hp	11 years	59.72	Hr
<b>970</b>	Boom utility truck, any combination of storage cabinets, and man bucket	10 years	62.64	Hr
<b>975</b>	Welder, electric, 0 - 300 amp capacity (does not include cost of welding rod), portable	10 years	13.20	Hr
<b>976</b>	Welder, electric, 301 amp capacity and up (does not include cost of welding, portable	10 years	14.44	Hr