



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

Bureau of Highway Maintenance

Effective January 2026

[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	22.34	Hr
403	210 CFM and over	10 years	28.50	Hr
BITUMINOUS EQUIPMENT				
	Note: Paver rates include the cost of automatic controls			
702	Bitumen kettle, 1-5 barrels, inclusive, includes fuel	8 years	27.80	Hr
705	Patch Machine, spray-injection, trailer mounted	12 years	55.10	Hr
706	Truck Bed System, hot box	10 years	7.04	Hr
707	Tank car heater (except wood or coal fired)	12 years	35.14	Hr
708	Trailer style distributor, including tank and equipment, but not the truck	12 years	56.46	Hr
709	Patch material heater and mixer (surge bin), trailer or truck mounted	12 years	20.40	Hr
710	Heating kettle, less than 300 gallons, includes Mastic Kettle	8 years	56.52	Hr
711	Heating kettle, 300 gallons or more, includes Mastic Kettle	8 years	65.40	Hr
712	Self-propelled paver and finishing machine	8 years	2.02	Ton
713	Portable storage tank for oil/emulsion with heating unit;charge only for hours of heating or pumping	12 years	172.52	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	95.28	Hr
718	Distributor, including truck, tandem rear drive, 55,001 lbs and over	9 years	136.00	Hr
719	Pavement profiler, 2' and under, not self-propelled	10 years	74.44	Hr
720	Pavement profiler, self-propelled or not self-propelled over 2'	8 years	98.24	Hr
730	Chip Spreader with or without mechanical extension	10 years	287.74	Hr
GENERATORS, PORTABLE ELECTRIC				
805	3,001 watt output through 10,000 watt output	12 years	44.88	Hr
806	10,001 watt output and over	12 years	68.78	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	66.16	Hr
307	Rear drive grader, 150 hp and greater	10 years	83.48	Hr
308	All wheel drive grader, any hp	10 years	100.98	Hr
315	Non-integrated, Slope control, used in grader	10 years	26.02	Hr
GRADERS, TOW TYPE ATTACHMENT				
323	Grader pull-type/tow type attachment	10 years	9.44	Hr
MOWERS AND MOWER ATTACHMENTS				
412	Disc bine attachment	10 years	42.28	Hr
413	Single pan section, rotary or flail attachment or sickle bar	10 years	19.82	Hr
415	2 pan section (single unit), rotary or flail attachment	10 years	31.76	Hr
416	3 pan section (single unit), rotary or flail attachment	10 years	33.04	Hr
419	Drum style attachment with blades, Hydraulic driven, Skidloader/Tractor/Boom mounted	10 years	39.78	Hr
429	Boom for mowers, attached to tractor	10 years	21.32	Hr
COMPACTORS				
531	Tow-type or push-type, including sheepsfoot, vibrating and non-vibrating	10 years	18.44	Hr
532	Self-propelled, non-vibratory	10 years	56.44	Hr
533	Self-propelled, vibratory, 1 through 5 tons	8 years	44.76	Hr
534	Self-propelled, vibratory, over 5 tons	8 years	51.58	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	206.04	Hr
547	Scraper, twin-engine	10 years	147.86	Hr
SHOULDERING MACHINES				
450	Shoulder reclaimer	10 years	20.60	Hr
451	Shoulder machine attachment	10 years	107.50	Hr
455	Self-propelled, (road widener)	10 years	152.34	Hr
EXCAVATORS				

<u>Class</u>	<u>Description</u>	<u>Est. Life</u>	<u>Rate</u>	<u>Type</u>
	Complete units classified by capacity, including the truck or tractor. Capacity is based on manufacturer's rating.			
552	Truck mounted, including hydraulic cable operated combination backhoe units	10 years	57.78	Hr
555	Track-type backhoe, through 99 hp	10 years	60.80	Hr
557	Self contained excavator, rubber tire	10 years	71.96	Hr
558	Shovel, track-type (100 through 149 hp)	10 years	61.54	Hr
559	Shovel, track-type (150 hp and over)	10 years	83.58	Hr
	SNOW PLOWS, MOTOR GRADER AND TRACTOR ATTACHMENTS			
612	Widening and shelving wing	10 years	56.00	Hr
	SNOW PLOWS, ATTACHMENTS			
631	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	122.66	Hr
632	V-shape	10 years	61.02	Hr
633	Power reversible	10 years	18.86	Hr
634	One-way (including motor grader or tractor attachments)	10 years	17.00	Hr
635	Truck/Loader Mounted Wing	10 years	18.46	Hr
636	Underbody, fixed moldboard	10 years	20.98	Hr
637	Underbody, power reversible moldboard	10 years	28.14	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. 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.			
424	Tailgate mounted, non-computerized	8 years	14.46	Hr
425	Hopper type truck body with conveyor feeding material to power driven spinner type spreader, non-computerized	8 years	30.80	Hr
426	Tailgate mounted, computer controlled	8 years	18.46	Hr
427	Hopper type truck body with conveyor feeding material to power driven spinner type spreader, computerized	8 years	36.84	Hr
428	Zero-velocity type spreader, includes 'pre-wetting' type system (may include anti-icing spray bar)	8 years	34.28	Hr
638	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
639	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
640	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
641	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 2000 gallons , non-plow truck	8 years	62.36	Hr
642	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 2000 gallons, non plow truck	8 years	23.78	HR.
643	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 2001 gallons and greater , non plow truck	8 years	36.94	HR.
644	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 2001 gallons and greater , non plow truck	8 years	41.74	HR.
	SWEEPERS AND ATTACHMENTS			
431	Broom, self-powered, power take-off or hydraulic pump driven, pulled by separate vehicle	10 years	47.76	Hr
433	Street sweeper, mechanical debris collection system, self-propelled	10 years	152.70	Hr
434	Broom, self powered, self-propelled	10 years	66.44	Hr
435	Vacuum debris collection system, with or without sweeper, self-propelled	11 years	108.00	Hr
	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.			
251	Backhoe/loader/tractor, (80 hp and over)	10 years	88.30	Hr
252	Tractors and Lawnmowers, with wheels, up to 30 Hp	10 years	25.62	Hr
253	Tractors and Lawnmowers, with wheels, 31-49 Hp	10 years	35.24	Hr
254	Tractors, with wheels, 50-74 Hp	10 years	51.74	Hr
255	Tractors, with wheels, 75 Hp and greater	10 years	39.50	Hr
256	Endloaders, Wheel-type, 50 through 99 hp	10 years	41.24	Hr
257	Endloaders, Wheel-type, 100 through 149 hp	10 years	61.40	Hr
258	Endloaders, Wheel-type, 150 through 214 hp	10 years	86.22	Hr
259	Endloaders, Wheel-type, 215 hp and greater	10 years	98.90	Hr

<u>Class</u>	<u>Description</u>	<u>Est. Life</u>	<u>Rate</u>	<u>Type</u>
260	Track-type dozer, 99 hp or less	10 years	60.36	Hr
261	Track-type dozer, 100 through 149 hp	10 years	72.28	Hr
262	Track-type dozer, 150 through 214 hp	10 years	86.68	Hr
263	Track-type dozer, 215 hp and greater	10 years	138.64	Hr
264	Agricultural type skid steer or toolcat, wheel or track, 20 through 64 hp	10 years	45.74	Hr
265	Agricultural type skid steer or toolcat, wheel or track, 65 through 79 hp	10 years	40.26	Hr
266	Agricultural type skid steer or toolcat, wheel or track, 80 through 99 hp	10 years	44.50	Hr
267	Agricultural type skid steer or toolcat, wheel or track, 100 Hp and greater	10 years	52.46	Hr
	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)	10 years	7.72	Hr
491	1 through 4 tons (use manufacturer's rated capacity)	10 years	16.26	Hr
492	5 through 12 tons (use manufacturer's rated capacity)	10 years	22.82	Hr
493	13 through 29 tons (use manufacturer's rated capacity)	10 years	33.78	Hr
496	30 tons and over (use manufacturer's rated capacity)	10 years	60.24	Hr
	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.			
101	Rear drive or 4wd, 15,000 lbs and less	6 years	16.00	Hr
103	Rear drive or 4wd, 15,001 through 22,999 lbs	6 years	27.02	Hr
106	Rear drive, 23,000 lbs through 55,000 lbs	10 years	75.10	Hr
112	All wheel drive, more than 50,000 lbs	15 years	94.44	Hr
116	Semi-Tractor, single, tandem, or tri-axle to solely pull a trailer	9 years	48.40	Hr
118	2 axle and tandem rear drive	9 years	103.62	Hr
121	Sign Truck and all attachments required for sign installation (GVWR 0-20,000)	10 years	32.94	Hr
122	Sign Truck and all attachments required for sign installation (GVWR 20,001-34,000)	10 years	33.88	Hr
123	Sign Truck and all attachments required for sign installation (GVWR 34,001-49,000)	10 years	37.42	Hr
124	Sign Truck and all attachments required for sign installation (GVWR Greater than 49,000)	10 years	53.42	Hr
1118	Tandem rear drive, 50,000 lbs and over, with tri-axes	9 years	88.14	Hr
1128	Tandem rear drive, 50,000 lbs and over, with quad-axes	9 years	70.84	Hr
	VEHICLES			
115	Commissioner Vehicle (Administration Account)	100,000mi	SRL	Set Rate Locally
120	Patrol superintendent vehicles	100,000mi	0.74	Mi
	MISCELLANEOUS EQUIPMENT			
901	Backhoe attachment	10 years	19.12	Hr
902	Brush chipper	8 years	41.10	Hr
906	Mechanical tamper, self-powered	8 years	39.02	Hr
907	Ripper attachments for Graders/Tractors/Dozers	10 years	170.78	Hr
908	Surge bin	15 years	63.66	Hr
910	Arrow board, self contained on trailer or truck mounted	10 years	4.34	Hr
911	Conveyor, Under 70'	12 years	33.94	Hr
912	Conveyor, stainless or galvanized, hydraulic or electric, 70' or greater	12 years	184.06	Hr
913	Mudjack	10 years	124.72	Hr
915	Post hole digger (auger), quick attachment	10 years	37.54	Hr
918	Screening plant	10 years	0.72	Ton
919	Spring tooth or disc harrow attachment	10 years	31.24	Hr
923	Water pump 4" or greater, centrifugal (with or without trailer)	5 years	45.94	Hr
924	Water pump with a purchase price greater than the Field Small Tools threshold and a discharge diamter less than 4"	5 years	30.04	Hr
925	Primary use is spot weed spraying or dust control. Multi-purpose stand alone, liquid distribution system, which includes a tank, spray bar, nozzles, and excludes anti-icing	10 years	19.54	Hr
926	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	36.02	Hr
930	Hydro-seeder with water supply	10 years	59.36	Hr
931	Mulch spreader with water supply, 25 Hp or greater	10 years	55.74	Hr
932	Brush cutter, (backhoe mounted on boom), rotary that includes blades, hydraulically driven	5 years	33.86	Hr
934	Concrete saw, through 9 hp, including blades	3 years	79.02	Hr
935	Concrete saw, 10 through 24 hp, including blades	5 years	54.28	Hr

<u>Class</u>	<u>Description</u>	<u>Est. Life</u>	<u>Rate</u>	<u>Type</u>
936	Concrete saw, 25 hp and over, includes blades	10 years	99.44	Hr
937	Hot air lance	5 years	9.58	Hr
938	Pavement router/joint cleaner/roto-cutter, asphalt, including bits, with or without dust collection	5 years	57.44	Hr
939	Class A Construction Office/Shed	15 years	94.68	Day
940	Brush cutter (tractor mounted), rotary that includes blades	3 years	20.60	Hr
941	Bump burner, infrared or open flame grader/truck/trailer attach	12 years	234.06	Hr
942	Post pusher/driver/puller (wood or metal)	12 years	31.12	Hr
946	Trailer, sign	10 years	25.74	Day
948	Aerial platform (self-propelled or trailer mounted / not mounted on a truck) includes scissor lift	12 years	84.28	Hr
949	Attenuator (with or without arrow board) and/or message board	10 years	15.34	Hr
950	Centerliner, mounted on dual axle truck	10 years	143.34	Hr
951	Centerliner, mounted on single axle truck	12 years	130.18	Hr
955	Tailgate conveyor or spreader box	12 years	34.16	Hr
957	Portable Traffic Signals, max 12/hr/day, 4 unit sets, includes trailer	7 years	30.02	Hr
958	Message board (programmable)	10 years	6.24	Hr
960	Portable pressure washer (heated or not heated) - attached wheels, self-contained water source	10 years	63.86	Hr
961	Vacuum, (Jet Vac)	10 years	81.16	Hr
962	GPS Grade Controller	10 years	16.20	Hr
963	Survey Equip GPS	10 years	8.66	Hr
964	Portable pressure washer (heated or not heated) - attached wheels, capacity thru 20 hp	11 years	63.48	Hr
970	Boom utility truck, any combination of storage cabinets, and man bucket	10 years	66.62	Hr
975	Welder, electric, 0 - 300 amp capacity (does not include cost of welding rod), portable	10 years	13.36	Hr
976	Welder, electric, 301 amp capacity and up (does not include cost of welding, portable	10 years	19.40	Hr