

2020 State's Mainenance Benchmarks Based of Life of Vehicle Operating Cost

Asset Type	Year	Count of VIN	Average of MIS	Average of Current Odometer	Monthly Average of Grand Total Expense LOV	Monthly Average of Total Combined for Maintenance	Monthly Average of Fuel Dollars LOV	Average of LOV Cost Per Mile Fuel	Average of Grand Total Expense Per Month	Average of Grand Total Expense Per Mile	Average of Last 180 Days MPG
BUS	1986	1	420	364167	\$1.92	\$0.00	\$1.90	\$0.00	\$1.92	\$0.00	6.96
	1996	2	29	126117	\$13.91	\$2.35	\$9.06	\$0.00	\$13.91	\$0.00	N/A
	1998	1	226	27681	\$55.84	\$53.74	\$0.90	\$0.01	\$55.84	\$0.46	N/A
	1999	2	31	65070	\$1,857.30	\$1,475.13	\$369.14	\$0.31	\$1,857.30	\$1.71	6.17
	2000	1	15	221116	\$25.38	\$0.00	\$21.58	\$0.00	\$25.38	\$0.00	8.13
	2002	1	89	17102	\$14.45	\$0.28	\$10.96	\$0.06	\$14.45	\$0.08	9.73
	2020	1	13	11341	\$178.57	\$4.78	\$170.83	\$0.20	\$178.57	\$0.20	9.07
BUS Total		9	98	113753	\$151.05	\$176.26	\$31.63	\$0.10	\$446.51	\$0.46	7.71
CAR	1999	2	68	129537	\$43.66	\$26.06	\$27.01	\$0.02	\$37.65	\$0.03	10.47
	2000	1	16	66097	\$3.95	\$0.00	\$0.00	\$0.00	\$3.95	\$0.00	N/A
	2001	4	19	120191	\$18.71	\$9.16	\$10.34	\$0.00	\$18.05	\$0.00	13.20
	2002	4	48	104264	\$62.20	\$137.31	\$24.24	\$0.01	\$33.33	\$0.03	24.11
	2004	2	62	118767	\$152.66	\$148.59	\$74.69	\$0.04	\$89.34	\$0.09	15.53
	2005	9	75	99251	\$77.63	\$37.04	\$43.93	\$0.04	\$41.81	\$0.08	14.60
	2006	9	29	92535	\$30.68	\$13.71	\$17.15	\$0.00	\$34.88	\$0.01	15.70
	2007	11	97	110369	\$110.73	\$52.08	\$54.44	\$0.06	\$105.96	\$0.12	19.02
	2008	15	111	102042	\$117.01	\$52.16	\$64.11	\$0.06	\$102.80	\$0.11	21.48
	2009	17	95	119088	\$92.22	\$42.05	\$49.03	\$0.04	\$91.15	\$0.08	22.24
	2010	30	100	98893	\$150.17	\$53.55	\$93.07	\$0.08	\$136.26	\$0.14	21.58
	2011	33	91	93054	\$124.02	\$44.60	\$75.59	\$0.07	\$122.01	\$0.11	24.17
	2012	51	90	87662	\$113.89	\$47.43	\$63.66	\$0.06	\$108.00	\$0.11	27.70
	2013	48	84	84072	\$123.72	\$43.95	\$76.99	\$0.07	\$118.56	\$0.12	26.80
	2014	40	72	80512	\$131.39	\$47.53	\$80.11	\$0.07	\$134.45	\$0.11	25.84
	2015	55	69	91524	\$216.72	\$66.78	\$146.26	\$0.11	\$214.91	\$0.16	21.53
	2016	31	61	84509	\$173.09	\$56.66	\$113.91	\$0.08	\$174.64	\$0.12	26.54
	2017	45	52	88814	\$199.90	\$59.87	\$136.06	\$0.08	\$197.42	\$0.12	29.45
	2018	18	32	38813	\$120.25	\$24.35	\$92.00	\$0.07	\$121.22	\$0.10	33.90
	2019	8	18	15207	\$54.56	\$8.10	\$42.21	\$0.06	\$54.30	\$0.07	35.20
2020	22	12	15445	\$94.70	\$29.18	\$73.12	\$0.05	\$85.45	\$0.09	34.91	
CAR Total		455	71	84682	\$139.22	\$51.70	\$86.67	\$0.07	\$133.44	\$0.11	25.45
MISC	2011	1	114	3917	\$18.36	\$9.37	\$5.29	\$0.15	\$18.36	\$0.53	29.26
	2012	2	90	4798	\$13.17	\$6.67	\$2.94	\$0.05	\$13.19	\$1.41	39.61
	2013	1	89	2121	\$9.88	\$5.10	\$1.22	\$0.05	\$9.88	\$0.41	40.08
MISC Total		4	96	3909	\$13.95	\$7.11	\$3.24	\$0.08	\$13.66	\$0.94	36.32
SUV	1978	1	16	18585	\$4.00	\$0.00	\$0.00	\$0.00	\$4.00	\$0.00	N/A
	1983	1	16	12284	\$5.03	\$0.00	\$1.03	\$0.00	\$5.03	\$0.01	5.52
	1988	1	16	21737	\$63.47	\$54.78	\$4.69	\$0.00	\$63.47	\$0.05	6.28
	1990	1	16	18176	\$89.51	\$77.42	\$8.09	\$0.01	\$89.51	\$0.08	7.55
	1992	1	16	29573	\$13.39	\$3.12	\$6.27	\$0.00	\$13.39	\$0.01	7.41
	1993	1	28	164620	\$22.67	\$0.00	\$19.00	\$0.00	\$22.67	\$0.00	6.79
	1995	1	78	136332	\$26.89	\$14.22	\$11.19	\$0.01	\$26.89	\$0.02	6.60
	1997	2	22	62684	\$27.20	\$0.00	\$23.41	\$0.01	\$27.45	\$0.01	7.11
	1998	1	268	98612	\$10.15	\$6.43	\$0.21	\$0.00	\$10.15	\$0.03	N/A
	1999	2	68	160737	\$46.06	\$37.64	\$23.61	\$0.01	\$34.23	\$0.02	13.11
	2000	1	16	134141	\$71.80	\$4.40	\$63.40	\$0.01	\$71.80	\$0.01	14.31
	2001	3	88	89828	\$53.50	\$22.63	\$26.76	\$0.03	\$44.55	\$0.05	10.66
	2002	2	16	94649	\$50.76	\$40.07	\$6.69	\$0.00	\$50.76	\$0.01	11.39
	2003	3	16	131016	\$20.76	\$10.73	\$13.19	\$0.00	\$20.76	\$0.00	9.42
	2004	3	47	118661	\$308.89	\$154.69	\$150.49	\$0.08	\$168.43	\$0.16	11.90
	2005	3	187	101475	\$96.49	\$24.94	\$68.18	\$0.13	\$97.74	\$0.19	14.55
	2006	3	46	93630	\$128.57	\$57.35	\$67.52	\$0.03	\$106.79	\$0.06	13.18
	2007	4	66	147065	\$102.60	\$75.38	\$42.66	\$0.03	\$64.27	\$0.07	12.46
	2008	14	122	108420	\$151.09	\$51.44	\$94.74	\$0.10	\$143.75	\$0.16	16.59
	2009	10	85	74830	\$206.95	\$89.25	\$113.83	\$0.92	\$166.89	\$1.88	15.50
	2010	41	108	109331	\$174.16	\$66.62	\$103.74	\$0.10	\$165.90	\$0.17	18.37
	2011	47	109	108376	\$190.91	\$67.04	\$120.15	\$0.12	\$184.18	\$0.19	17.60
	2012	82	96	111070	\$184.90	\$71.48	\$109.80	\$0.09	\$185.74	\$0.16	20.15
	2013	46	79	105031	\$234.79	\$90.37	\$142.61	\$0.10	\$228.50	\$0.17	16.33
	2014	199	80	102186	\$217.05	\$76.71	\$137.19	\$0.11	\$214.85	\$0.17	21.66
	2015	110	62	92399	\$254.70	\$80.51	\$171.75	\$0.11	\$237.54	\$0.16	18.80
2016	152	54	80127	\$240.06	\$68.25	\$168.87	\$0.11	\$229.11	\$0.16	19.37	
2017	48	43	60783	\$224.32	\$51.57	\$168.92	\$0.13	\$219.32	\$0.17	17.32	
2018	71	31	43028	\$197.47	\$38.89	\$154.40	\$0.11	\$205.34	\$0.14	20.78	

	2019	87	21	24273	\$160.52	\$29.16	\$128.69	\$0.11	\$157.93	\$0.13	20.69
	2020	140	8	8904	\$121.57	\$32.18	\$99.13	\$0.09	\$117.35	\$0.17	20.80
SUV Total		1081	59	75349	\$205.98	\$73.48	\$134.38	\$0.11	\$190.94	\$0.17	19.54
TRUCK HD	1987	2	110	54824	\$9.25	\$0.00	\$6.16	\$0.02	\$8.52	\$0.03	5.55
	1989	2	89	20419	\$34.73	\$11.29	\$20.00	\$0.11	\$34.60	\$0.19	5.44
	1990	1	22	198922	\$4.32	\$0.50	\$0.00	\$0.00	\$4.32	\$0.00	N/A
	1995	1	29	122800	\$6.02	\$0.00	\$2.35	\$0.00	\$6.02	\$0.00	N/A
	1999	2	54	171544	\$198.50	\$386.81	\$1.06	\$0.00	\$136.85	\$0.10	N/A
	2000	1	30	108721	\$331.07	\$251.05	\$76.27	\$0.02	\$331.07	\$0.09	2.75
	2001	2	54	70270	\$267.70	\$236.40	\$26.29	\$0.02	\$218.72	\$0.20	4.93
	2004	1	108	752948	\$397.11	\$142.60	\$249.99	\$0.04	\$397.11	\$0.06	5.43
	2006	1	23	170155	\$363.13	\$291.61	\$67.71	\$0.01	\$363.13	\$0.05	4.84
	2007	1	89	18143	\$35.55	\$0.31	\$32.34	\$0.16	\$35.55	\$0.17	6.38
	2008	1	154	17619	\$303.20	\$201.98	\$82.09	\$0.72	\$303.20	\$2.65	3.48
	2010	2	79	98299	\$146.07	\$136.69	\$4.94	\$0.00	\$146.07	\$0.10	61.31
	2014	2	43	262481	\$749.40	\$286.32	\$455.26	\$0.30	\$556.63	\$0.48	4.78
	2015	6	93	54508	\$356.02	\$123.15	\$228.69	\$0.35	\$434.96	\$0.58	14.66
	2016	1	29	80430	\$398.72	\$0.00	\$395.09	\$0.14	\$398.72	\$0.14	23.14
	2017	3	50	40348	\$301.73	\$97.36	\$198.02	\$0.27	\$301.73	\$0.40	30.38
TRUCK HD Total		29	71	112879	\$250.29	\$140.79	\$128.35	\$0.17	\$260.58	\$0.35	14.42
TRUCK LD	1987	1	16	47996	\$4.00	\$0.00	\$0.00	\$0.00	\$4.00	\$0.00	N/A
	1989	3	16	38308	\$4.58	\$0.00	\$0.60	\$0.00	\$4.58	\$0.00	N/A
	1990	2	76	47875	\$108.20	\$70.96	\$32.82	\$0.05	\$113.45	\$0.17	8.81
	1991	1	16	90208	\$4.00	\$0.00	\$0.00	\$0.00	\$4.00	\$0.00	N/A
	1994	3	117	150822	\$43.99	\$36.67	\$6.31	\$0.00	\$45.60	\$0.03	3.64
	1995	1	16	154045	\$4.00	\$0.00	\$0.00	\$0.00	\$4.00	\$0.00	N/A
	1996	5	107	79088	\$35.81	\$33.14	\$5.98	\$0.01	\$35.86	\$0.06	8.96
	1997	3	72	92007	\$72.38	\$60.07	\$28.77	\$0.05	\$65.94	\$0.12	7.11
	1998	2	98	118935	\$178.68	\$91.93	\$81.80	\$0.07	\$112.50	\$0.14	6.57
	1999	4	102	110975	\$76.52	\$51.84	\$20.38	\$0.03	\$56.20	\$0.10	4.61
	2000	4	97	124778	\$38.31	\$13.36	\$23.21	\$0.02	\$49.18	\$0.04	7.52
	2001	5	106	68682	\$51.75	\$49.93	\$27.94	\$0.03	\$37.09	\$0.07	9.16
	2002	6	65	71105	\$109.57	\$100.88	\$21.46	\$0.02	\$93.58	\$0.14	9.84
	2003	6	50	99310	\$86.09	\$50.42	\$39.84	\$0.04	\$58.04	\$0.08	8.61
	2004	9	26	113981	\$55.16	\$40.12	\$20.15	\$0.01	\$72.42	\$0.02	9.61
	2005	11	79	74414	\$89.74	\$51.39	\$43.45	\$0.08	\$96.11	\$0.20	8.74
	2006	15	97	75836	\$112.73	\$63.06	\$49.67	\$0.09	\$107.75	\$0.19	8.46
	2007	22	75	103872	\$165.63	\$79.60	\$93.70	\$0.08	\$148.72	\$0.14	13.91
	2008	37	100	103271	\$220.88	\$83.66	\$138.01	\$0.12	\$186.60	\$0.20	12.97
	2009	22	89	108692	\$234.90	\$85.87	\$149.42	\$0.11	\$194.69	\$0.17	11.66
	2010	37	79	95339	\$176.40	\$62.84	\$114.87	\$0.09	\$138.11	\$0.13	11.77
	2011	52	77	129481	\$242.69	\$94.18	\$149.98	\$0.10	\$228.14	\$0.16	13.52
	2012	76	89	110445	\$253.58	\$89.95	\$163.56	\$0.12	\$231.60	\$0.19	13.55
	2013	56	87	107159	\$261.87	\$70.82	\$187.04	\$0.15	\$252.08	\$0.21	13.22
	2014	54	69	98471	\$341.33	\$94.58	\$243.93	\$0.16	\$419.24	\$0.23	13.79
	2015	56	67	80883	\$299.31	\$72.13	\$222.17	\$0.18	\$283.29	\$0.24	12.76
	2016	143	54	81145	\$345.33	\$84.76	\$258.33	\$0.16	\$332.07	\$0.22	12.97
	2017	11	43	35851	\$223.62	\$58.76	\$164.98	\$0.19	\$215.13	\$0.26	12.80
	2018	46	28	35747	\$233.68	\$45.79	\$184.86	\$0.13	\$216.18	\$0.17	15.75
	2019	105	16	22167	\$233.16	\$39.95	\$191.71	\$0.15	\$227.73	\$0.18	14.23
	2020	129	9	9799	\$150.67	\$31.58	\$126.07	\$0.12	\$132.37	\$0.14	16.69
TRUCK LD Total		927	56	73382	\$242.61	\$81.35	\$166.72	\$0.13	\$224.97	\$0.18	13.52
TRUCK MD	1994	1	16	134286	\$4.88	\$0.88	\$0.00	\$0.00	\$4.88	\$0.00	N/A
	1996	1	37	101530	\$158.51	\$116.84	\$37.29	\$0.01	\$158.51	\$0.06	3.10
	1999	2	73	237640	\$413.40	\$233.55	\$175.42	\$0.04	\$267.54	\$0.09	4.37
	2001	1	28	77433	\$91.75	\$73.25	\$14.84	\$0.01	\$91.75	\$0.03	2.94
	2002	1	14	119456	\$219.83	\$90.32	\$125.69	\$0.01	\$219.83	\$0.03	3.78
	2004	5	156	34465	\$85.13	\$37.63	\$43.88	\$0.20	\$85.32	\$0.41	7.25
	2005	1	16	66265	\$52.52	\$48.52	\$0.00	\$0.00	\$52.52	\$0.01	N/A
	2006	1	178	46532	\$114.34	\$43.96	\$65.51	\$0.25	\$114.34	\$0.44	10.25
	2007	1	94	66221	\$169.04	\$101.13	\$63.76	\$0.09	\$169.04	\$0.24	8.77
	2008	6	124	27364	\$182.16	\$69.80	\$87.53	\$0.37	\$165.02	\$0.70	4.99
	2009	3	55	66219	\$202.65	\$79.35	\$119.13	\$0.09	\$210.00	\$0.15	7.80
	2012	1	79	62409	\$56.35	\$52.78	\$0.00	\$0.00	\$56.35	\$0.07	N/A
	2013	2	90	189976	\$676.05	\$342.53	\$328.64	\$0.21	\$671.14	\$0.42	9.28
	2016	2	62	169155	\$953.52	\$264.02	\$685.14	\$0.25	\$953.52	\$0.35	9.95
	2017	2	44	41194	\$379.56	\$124.19	\$251.46	\$0.26	\$379.56	\$0.39	9.72
	2019	2	19	6910	\$112.91	\$52.54	\$82.77	\$0.18	\$86.08	\$0.24	8.82

	2020	8	11	5712	\$103.88	\$32.45	\$75.89	\$0.15	\$115.65	\$0.33	10.54
TRUCK MD Total		40	70	66666	\$225.81	\$102.47	\$121.47	\$0.17	\$213.87	\$0.33	7.22
VAN	1992	1	31	103164	\$3.67	\$0.00	\$0.00	\$0.00	\$3.67	\$0.00	N/A
	1995	3	24	97421	\$4.65	\$0.58	\$0.71	\$0.00	\$4.69	\$0.00	N/A
	1996	3	46	63582	\$37.87	\$18.83	\$15.31	\$0.01	\$53.16	\$0.03	10.14
	1997	2	30	319155	\$48.22	\$21.09	\$23.46	\$0.01	\$50.04	\$0.01	9.70
	1998	2	16	75236	\$31.24	\$3.67	\$23.57	\$0.00	\$31.24	\$0.01	8.11
	1999	5	101	127349	\$18.38	\$18.25	\$5.73	\$0.00	\$17.79	\$0.02	9.24
	2000	5	86	70470	\$66.27	\$43.19	\$28.12	\$0.03	\$69.50	\$0.07	10.22
	2001	8	81	96147	\$89.91	\$59.67	\$42.04	\$0.03	\$57.68	\$0.07	7.67
	2002	5	79	86353	\$51.67	\$38.60	\$19.12	\$0.02	\$65.21	\$0.04	8.46
	2003	5	39	90234	\$162.01	\$132.57	\$79.18	\$0.04	\$152.73	\$0.08	10.30
	2004	8	55	75379	\$86.91	\$43.52	\$44.87	\$0.03	\$89.59	\$0.06	13.36
	2005	15	51	84775	\$65.61	\$36.09	\$25.98	\$0.02	\$67.36	\$0.06	9.82
	2006	20	70	107793	\$81.82	\$40.08	\$42.38	\$0.02	\$79.48	\$0.05	9.82
	2007	19	84	110177	\$139.39	\$42.98	\$97.21	\$0.06	\$95.01	\$0.09	16.11
	2008	35	74	75981	\$122.00	\$56.31	\$69.53	\$0.07	\$103.03	\$0.11	11.40
	2009	17	17	58131	\$116.07	\$53.52	\$67.88	\$0.02	\$96.14	\$0.03	11.66
	2010	39	73	60191	\$136.13	\$48.61	\$86.37	\$0.08	\$106.52	\$0.13	14.08
	2011	42	88	86544	\$152.73	\$51.00	\$100.33	\$0.10	\$132.34	\$0.16	14.59
	2012	30	50	56057	\$149.01	\$46.04	\$100.82	\$0.07	\$113.64	\$0.12	11.97
	2013	37	63	69568	\$126.99	\$35.83	\$89.38	\$0.08	\$105.43	\$0.11	18.58
	2014	30	65	81273	\$178.36	\$51.06	\$123.56	\$0.08	\$158.57	\$0.12	24.08
	2015	30	62	70351	\$242.07	\$59.27	\$183.09	\$0.15	\$213.85	\$0.21	13.28
	2016	91	52	88684	\$309.78	\$88.26	\$219.66	\$0.12	\$288.48	\$0.17	17.27
	2017	38	38	58822	\$289.85	\$79.16	\$211.13	\$0.13	\$262.03	\$0.18	17.49
	2018	23	28	40389	\$175.69	\$37.88	\$133.83	\$0.11	\$166.34	\$0.14	23.70
	2019	34	18	20126	\$153.45	\$29.81	\$122.31	\$0.13	\$149.80	\$0.16	16.94
	2020	31	5	5450	\$60.27	\$30.60	\$52.73	\$0.08	\$53.74	\$0.10	26.28
VAN Total		578	54	70350	\$169.12	\$57.66	\$114.63	\$0.09	\$151.69	\$0.13	15.89
Grand Total		3123	59	75469	\$198.43	\$70.50	\$130.70	\$0.11	\$186.81	\$0.16	17.84