

## **APPENDIX B. INDIVIDUAL BRAKE STOP RESULTS**

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TABLE B-1. PONTIAC GRAND AM SE, BRAKE STOP RESULTS FROM 100 KM/HR (62 MPH)

Stop No.	Measurement							
	Stopping Distance		Deceleration Rate		Pedal effort at 0.1 sec		Pedal effort at 0.2 sec	
	m	ft	m/sec <sup>2</sup>	ft/sec <sup>2</sup>	N	lb	N	lb
Dry surface without payload								
1	44.8	146.9	8.6	28.1	764.6	171.9	1233.0	277.2
2	45.0	147.5	8.5	28.0	897.2	201.7	1375.3	309.2
3	45.0	147.5	8.5	28.0	724.1	162.8	1263.2	284.0
4	45.3	148.4	8.5	27.9	500.8	112.6	1270.3	285.6
5	45.5	149.4	8.4	27.7	1040.8	234.0	1591.9	357.9
6	45.5	149.3	8.4	27.7	1078.2	242.4	1504.8	338.3
7	45.3	148.4	8.5	27.9	858.5	193.0	1428.3	321.1
8	44.4	145.6	8.7	28.4	1086.2	244.2	1533.2	344.7
9	44.4	145.5	8.7	28.4	883.8	198.7	1483.9	333.6
10	45.8	150.3	8.4	27.5	928.3	208.7	1441.2	324.0
Dry surface with payload								
1	46.8	153.5	8.2	26.9	708.1	159.2	1400.7	314.9
2	45.1	148.0	8.5	27.9	837.6	188.3	1127.6	253.5
3	46.5	152.6	8.3	27.1	628.9	141.4	1257.0	282.6
4	46.7	153.3	8.2	27.0	971.0	218.3	1417.1	318.6
5	46.4	152.2	8.3	27.2	852.7	191.7	1252.1	281.5
6	46.4	152.3	8.3	27.2	918.5	206.5	1396.7	314.0
7	46.0	151.0	8.3	27.4	690.8	155.3	1231.7	276.9
8	46.7	153.0	8.2	27.0	971.0	218.3	1360.2	305.8
9	46.6	152.8	8.2	27.1	986.1	221.7	1444.3	324.7
10	46.1	151.3	8.3	27.3	1007.5	226.5	1432.3	322.0
Wet surface without payload								
1	60.1	197.0	6.4	21.0	750.4	168.7	1353.1	304.2
2	58.2	190.9	6.6	21.7	1041.7	234.2	1440.3	323.8
3	56.1	184.0	6.9	22.5	246.9	55.5	1229.9	276.5
4	58.9	193.2	6.5	21.4	987.9	222.1	1266.3	284.7
5	54.4	178.5	7.1	23.2	1060.0	238.3	1423.8	320.1
6	55.9	183.4	6.9	22.5	1038.6	233.5	1571.5	353.3
7	59.3	194.5	6.5	21.3	998.1	224.4	1426.0	320.6
8	57.5	188.6	6.7	21.9	678.8	152.6	1123.6	252.6
9	57.8	189.6	6.6	21.8	872.7	196.2	1397.6	314.2
10	61.5	201.6	6.3	20.5	415.9	93.5	1249.9	281.0
Wet surface with payload								
1	50.2	164.5	7.7	25.1	872.7	196.2	1615.1	363.1
2	52.3	171.5	7.4	24.1	919.4	206.7	1357.1	305.1
3	49.8	163.3	7.7	25.3	488.4	109.8	913.2	205.3
4	51.9	170.3	7.4	24.3	1035.5	232.8	1507.0	338.8
5	50.9	167.0	7.5	24.8	1177.4	264.7	1552.4	349.0
6	51.1	167.5	7.5	24.7	1070.2	240.6	1301.5	292.6
7	55.0	180.3	7.0	22.9	1096.4	246.5	1475.4	331.7
8	54.9	180.1	7.0	23.0	981.2	220.6	1491.0	335.2
9	48.3	158.4	8.0	26.1	979.0	220.1	1503.0	337.9
10	54.0	177.3	7.1	23.3	693.9	156.0	1350.0	303.5
11	56.8	186.2	6.8	22.2	553.3	124.4	1227.6	276.0

TABLE B-2. FORD EXPEDITION XLT, BRAKE STOP RESULTS FROM 100 KM/HR (62 MPH)

Stop No.	Measurement							
	Stopping Distance		Deceleration Rate		Pedal effort at 0.1 sec		Pedal effort at 0.2 sec	
	m	ft	m/sec <sup>2</sup>	ft/sec <sup>2</sup>	N	lb	N	lb
Dry surface without payload								
1	49.6	162.8	7.7	25.4	270.0	60.7	603.6	135.7
2	51.5	168.9	7.5	24.5	602.7	135.5	1267.2	284.9
3	50.4	165.2	7.6	25.0	779.7	175.3	1314.8	295.6
4	50.3	164.9	7.7	25.1	857.6	192.8	1321.9	297.2
5	50.8	166.6	7.6	24.8	830.4	186.7	1316.6	296.0
6	51.1	167.8	7.5	24.6	950.5	213.7	1591.0	357.7
7	53.6	175.8	7.2	23.5	762.4	171.4	1110.7	249.7
8	51.4	168.5	7.5	24.5	909.2	204.4	1430.0	321.5
9	52.7	172.8	7.3	23.9	782.0	175.8	1312.6	295.1
10	58.1	190.7	6.6	21.7	677.4	152.3	1121.8	252.2
Dry surface with payload								
1	50.4	165.5	7.6	25.0	413.7	93.0	1375.3	309.2
2	49.0	160.6	7.8	25.7	963.9	216.7	1436.3	322.9
3	52.1	170.8	7.4	24.2	74.7	16.8	827.3	186.0
4	50.3	165.1	7.6	25.0	532.0	119.6	1236.1	277.9
5	52.8	173.3	7.3	23.8	200.2	45.0	833.6	187.4
6	52.4	171.8	7.3	24.1	107.2	24.1	839.3	188.7
7	53.8	176.4	7.1	23.4	87.2	19.6	602.7	135.5
8	50.8	166.7	7.6	24.8	417.7	93.9	1418.0	318.8
9	51.5	169.1	7.5	24.5	595.6	133.9	1399.8	314.7
Wet surface without payload								
1	60.9	199.7	6.3	20.7	712.1	160.1	1225.0	275.4
2	63.4	208.0	6.1	19.9	176.1	39.6	665.4	149.6
3	66.6	218.4	5.8	18.9	383.4	86.2	790.9	177.8
4	59.6	195.7	6.4	21.1	712.1	160.1	1142.7	256.9
5	59.8	196.2	6.4	21.1	369.2	83.0	1067.1	239.9
6	58.8	192.9	6.5	21.4	790.9	177.8	1237.9	278.3
7	58.9	193.4	6.5	21.4	706.8	158.9	1314.8	295.6
8	58.5	191.8	6.6	21.6	346.9	78.0	1142.7	256.9
9	59.3	194.4	6.5	21.3	682.8	153.5	1177.4	264.7
Wet surface with payload								
1	64.8	212.5	5.9	19.5	660.5	148.5	1485.6	334.0
2	64.4	211.3	6.0	19.6	1097.3	246.7	1585.7	356.5
3	70.3	230.6	5.5	17.9	95.2	21.4	1186.3	266.7
4	68.2	223.7	5.6	18.5	378.1	85.0	1014.6	228.1
5	62.8	205.9	6.1	20.1	185.0	41.6	1008.4	226.7
6	68.9	226.2	5.6	18.3	402.5	90.5	1202.3	270.3
7	64.8	212.6	5.9	19.4	938.5	211.0	1422.9	319.9
8	72.0	236.2	5.3	17.5	391.4	88.0	1209.4	271.9

TABLE B-3. TOYOTA CAMRY I.E. BRAKE STOP RESULTS FROM 100 KM/HR (62 MPH)

Stop No.	Measurement							
	Stopping Distance		Deceleration Rate		Pedal effort at 0.1 sec		Pedal effort at 0.2 sec	
	m	ft	m/sec <sup>2</sup>	ft/sec <sup>2</sup>	N	lb	N	lb
Dry surface without payload								
1	47.6	156.2	8.1	26.5	1072.9	241.2	1270.3	285.6
2	49.7	163.0	7.7	25.4	660.5	148.5	1302.8	292.9
3	49.3	161.7	7.8	25.6	1005.2	226.0	1064.0	239.2
4	48.2	158.2	8.0	26.1	897.2	201.7	1038.6	233.5
5	49.5	162.4	7.8	25.5	846.5	190.3	1287.3	289.4
6	48.8	160.1	7.9	25.8	596.9	134.2	1003.5	225.6
7	48.5	159.1	7.9	26.0	595.6	133.9	764.6	171.9
8	48.5	159.1	7.9	26.0	554.2	124.6	640.1	143.9
9	48.2	158.3	8.0	26.1	708.1	159.2	805.1	181.0
10	48.5	158.5	8.0	26.1	552.0	124.1	655.2	147.3
Dry surface with payload								
1	49.7	163.2	7.7	25.3	496.4	111.6	632.1	142.1
2	50.9	166.9	7.6	24.8	794.0	178.5	805.1	181.0
3	48.3	158.6	8.0	26.1	670.8	150.8	1195.6	268.8
4	48.9	160.5	7.9	25.8	814.0	183.0	1021.3	229.6
5	49.0	160.7	7.8	25.7	708.1	159.2	1136.9	255.6
6	49.8	163.5	7.7	25.3	821.1	184.6	1035.5	232.8
7	48.6	159.6	7.9	25.9	922.5	207.4	1388.7	312.2
8	49.7	162.9	7.7	25.4	672.5	151.2	972.8	218.7
9	48.4	158.9	7.9	26.0	983.0	221.0	1190.3	267.6
10	48.8	160.0	7.9	25.8	778.0	174.9	1267.2	284.9
Wet surface without payload								
1	51.0	167.3	7.5	24.7	577.4	129.8	721.9	162.3
2	52.9	173.5	7.3	23.8	763.7	171.7	989.2	222.4
3	51.7	169.7	7.4	24.4	600.9	135.1	849.6	191.0
4	53.0	174.0	7.3	23.8	461.3	103.7	512.9	115.3
5	53.4	175.3	7.2	23.6	649.4	146.0	963.9	216.7
6	52.7	172.8	7.3	23.9	755.3	169.8	812.2	182.6
7	55.4	181.7	6.9	22.8	866.9	194.9	1203.6	270.6
8	54.1	177.4	7.1	23.3	837.6	188.3	1107.6	249.0
9	55.9	183.4	6.9	22.5	886.9	199.4	1428.3	321.1
10	55.4	181.6	6.9	22.8	991.0	222.8	1472.7	331.1
Wet surface with payload								
1	53.0	174.0	7.3	23.8	782.0	175.8	1087.1	244.4
2	51.3	168.3	7.5	24.6	411.4	92.5	697.0	156.7
3	53.4	175.2	7.2	23.6	687.7	154.6	868.7	195.3
4	53.2	174.6	7.2	23.7	585.8	131.7	786.0	176.7
5	53.2	174.4	7.2	23.7	423.9	95.3	923.4	207.6
6	53.8	176.6	7.1	23.4	793.1	178.3	860.7	193.5
7	53.6	175.8	7.2	23.5	628.9	141.4	638.3	143.5
8	53.3	174.9	7.2	23.6	695.7	156.4	687.7	154.6
9	53.3	174.9	7.2	23.6	381.2	85.7	717.9	161.4
10	53.1	174.3	7.2	23.7	305.6	68.7	576.5	129.6

TABLE B-4. CHEVROLET MALIBU LS, BRAKE STOP RESULTS FROM 100 KM/HR (62 MPH)

Stop No.	Measurement							
	Stopping Distance		Deceleration Rate		Pedal effort at 0.1 sec		Pedal effort at 0.2 sec	
	m	ft	m/sec <sup>2</sup>	ft/sec <sup>2</sup>	N	lb	N	lb
Dry surface without payload								
1	42.7	140.0	9.0	29.5	708.1	159.2	940.8	211.5
2	43.3	142.0	8.9	29.1	502.6	113.0	764.6	171.9
3	42.9	140.9	8.9	29.3	727.2	163.5	854.5	192.1
4	43.5	142.8	8.8	29.0	721.0	162.1	830.4	186.7
5	42.4	139.0	9.1	29.7	812.2	182.6	1005.5	225.6
6	43.4	142.4	8.8	29.0	708.1	159.2	762.4	171.4
7	42.7	140.1	9.0	29.5	550.2	123.7	604.9	136.0
8	43.6	143.0	8.8	28.9	742.4	166.9	1035.5	232.8
9	43.3	142.0	8.9	29.1	815.3	183.3	1079.1	242.6
10	42.8	140.3	9.0	29.5	749.5	168.5	1044.8	234.9
Dry surface with payload								
1	47.1	154.5	8.2	26.8	504.8	113.5	660.5	148.5
2	47.5	155.7	8.1	26.5	646.3	145.3	690.8	155.3
3	47.7	156.6	8.0	26.4	673.4	151.4	665.4	149.6
4	47.8	156.8	8.0	26.4	654.3	147.1	632.1	142.1
5	47.2	154.7	8.1	26.7	573.3	128.9	645.4	145.1
6	46.2	151.5	8.3	27.3	529.8	119.1	634.3	142.6
7	45.8	150.2	8.4	27.5	617.8	138.9	837.6	188.3
8	46.6	152.8	8.3	27.1	563.1	126.6	693.9	156.0
9	47.5	156.0	8.1	26.5	756.6	170.1	689.9	155.1
10	46.1	151.4	8.3	27.3	467.0	105.0	586.7	131.9
Wet surface without payload								
1	45.1	147.9	8.5	28.0	820.2	184.4	832.2	187.1
2	46.0	150.9	8.4	27.4	438.1	98.5	494.6	111.2
3	46.2	151.5	8.3	27.3	391.4	88.0	470.2	105.7
4	44.9	147.4	8.6	28.1	616.0	138.5	831.3	186.9
5	46.9	153.9	8.2	26.9	648.1	145.7	705.0	158.5
6	44.6	146.3	8.6	28.2	638.3	143.5	775.7	174.4
7	45.4	148.8	8.5	27.8	585.8	131.7	562.2	126.4
8	46.0	151.0	8.4	27.4	539.1	121.2	546.2	122.8
9	45.5	149.4	8.4	27.7	525.8	118.2	713.0	160.3
10	47.4	155.5	8.1	26.6	644.1	144.8	704.1	158.3
Wet surface with payload								
1	46.8	153.4	8.2	26.9	255.8	57.5	337.6	75.9
2	46.5	152.4	8.3	27.1	492.4	110.7	443.0	99.6
3	46.8	153.7	8.2	26.9	536.9	120.7	612.0	137.6
4	48.9	160.5	7.9	25.8	591.6	133.0	450.1	101.2
5	50.0	164.2	7.7	25.2	435.9	98.0	540.9	121.6
6	48.4	158.9	7.9	26.0	404.8	91.0	532.0	119.6
7	51.7	169.5	7.4	24.4	590.7	132.8	534.2	120.1
8	55.3	181.3	6.9	22.8	771.7	173.5	844.7	189.9
9	53.8	176.4	7.1	23.4	312.7	70.3	663.6	149.2
10	48.3	158.4	8.0	26.1	584.5	131.4	664.5	149.4
11	53.7	176.2	7.2	23.5	416.8	93.7	667.6	150.1

TABLE B-5. CADILLAC DEVILLE, BRAKE STOP RESULTS FROM 100 KM/HR (62 MPH)

Stop No.	Measurement							
	Stopping Distance		Deceleration Rate		Pedal effort at 0.1 sec		Pedal effort at 0.2 sec	
	m	ft	m/sec <sup>2</sup>	ft/sec <sup>2</sup>	N	lb	N	lb
Dry surface without payload								
1	48.1	157.8	8.0	26.2	637.0	143.2	850.5	191.2
2	49.0	160.9	7.8	25.7	419.9	94.4	323.8	72.8
3	45.6	149.6	8.4	27.6	520.0	116.9	694.8	156.2
4	47.1	154.4	8.2	26.8	479.5	107.8	667.6	150.1
5	47.5	156.0	8.1	26.5	303.4	68.2	459.0	103.2
6	48.0	157.5	8.0	26.2	551.1	123.9	649.4	146.0
7	47.0	154.1	8.2	26.8	580.5	130.5	688.6	154.8
8	47.9	157.2	8.0	26.3	624.9	140.5	736.1	165.5
9	48.4	158.8	7.9	26.0	740.1	166.4	1084.0	243.7
10	47.8	156.8	8.0	26.4	246.9	55.5	374.1	84.1
11	47.6	156.3	8.0	26.4	318.5	71.6	454.1	102.1
12	47.9	157.1	8.0	26.3	401.7	90.3	496.4	111.6
Dry surface with payload								
1	51.8	169.8	7.4	24.3	660.5	148.5	971.0	218.3
2	52.2	171.3	7.3	24.1	413.7	93.0	424.8	95.5
3	50.8	166.8	7.6	24.8	721.9	162.3	815.3	183.3
4	52.0	170.5	7.4	24.3	598.7	134.6	639.2	143.7
5	50.9	166.9	7.6	24.8	824.2	185.3	907.4	204.0
6	50.2	164.7	7.7	25.1	620.9	139.6	698.8	157.1
7	49.3	161.7	7.8	25.6	558.2	125.5	523.1	117.6
8	50.8	166.8	7.6	24.8	582.7	131.0	675.7	151.9
9	49.7	163.1	7.7	25.3	347.8	78.2	563.1	126.6
10	48.9	160.3	7.9	25.8	601.8	135.3	635.2	142.8
11	48.8	160.2	7.9	25.8	336.7	75.7	470.2	105.7
12	48.8	160.1	7.9	25.8	491.5	110.5	596.9	134.2
Wet surface without payload								
1	50.3	164.9	7.7	25.1	306.5	68.9	493.7	111.0
2	49.9	163.8	7.7	25.2	532.9	119.8	752.6	169.2
3	50.7	166.3	7.6	24.9	689.9	155.1	647.2	145.5
4	49.0	160.7	7.8	25.7	610.7	137.3	885.2	199.0
5	50.2	164.7	7.7	25.1	347.8	78.2	553.3	124.4
6	50.4	165.4	7.6	25.0	477.3	107.3	612.9	137.8
7	49.1	161.2	7.8	25.6	428.8	96.4	710.8	159.8
8	50.3	164.9	7.7	25.1	259.8	58.4	368.3	82.8
9	49.7	163.2	7.7	25.3	764.6	171.9	580.5	130.5
10	49.5	162.5	7.7	25.4	580.5	130.5	697.9	156.9
Wet surface with payload								
1	49.9	163.6	7.7	25.3	421.7	94.8	657.4	147.8
2	49.9	163.6	7.7	25.3	705.0	158.5	787.7	177.1
3	49.8	163.3	7.7	25.3	514.6	115.7	698.8	157.1
4	49.3	161.9	7.8	25.6	387.4	87.1	468.4	105.3
5	49.3	161.9	7.8	25.6	536.9	120.7	520.9	117.1
6	50.9	167.0	7.6	24.8	551.1	123.9	749.5	168.5
7	49.7	163.2	7.7	25.4	758.4	170.5	665.4	149.6
8	50.4	165.4	7.6	25.0	693.0	155.8	651.2	146.4
9	50.0	164.0	7.7	25.2	458.1	103.0	488.4	109.8
10	50.4	165.4	7.6	25.0	646.3	145.3	766.8	172.4

TABLE B-6. DODGE CARAVAN, BRAKE STOP RESULTS FROM 100 KM/HR (62 MPH)

Stop No.	Measurement							
	Stopping Distance		Deceleration Rate		Pedal effort at 0.1 sec		Pedal effort at 0.2 sec	
	m	ft	m/sec <sup>2</sup>	ft/sec <sup>2</sup>	N	lb	N	lb
Dry surface without payload								
1	46.8	153.7	8.2	26.9	893.2	200.8	933.6	209.9
2	49.2	161.5	7.8	25.6	344.7	77.5	697.9	156.9
3	48.2	158.1	8.0	26.1	644.1	144.8	743.3	167.1
4	49.0	160.8	7.8	25.7	561.3	126.2	878.9	197.6
5	47.9	157.1	8.0	26.3	709.9	159.6	822.4	184.9
6	48.6	159.4	7.9	25.9	742.4	166.9	729.0	163.9
7	48.6	159.4	7.9	25.9	649.4	146	787.7	177.1
8	50.8	166.8	7.6	24.8	120.5	27.1	450.1	101.2
9	48.2	158.1	8.0	26.1	738.4	166.0	814.0	183.0
10	49.9	163.8	7.7	25.2	489.3	110.0	684.5	153.9
11	48.5	159.2	7.9	26.0	478.2	107.5	731.3	164.4
Dry surface with payload								
1	53.4	175.2	7.2	23.6	548.0	123.2	677.4	152.3
2	50.3	164.9	7.7	25.1	745.5	167.6	938.5	211.0
3	53.2	174.5	7.2	23.7	677.4	152.3	878.0	197.4
4	52.5	172.3	7.3	24.0	719.2	161.7	783.7	176.2
5	51.5	169.0	7.5	24.5	709.0	159.4	683.7	153.7
6	52.4	171.9	7.3	24.0	809.1	181.9	1040.8	234.0
7	51.5	168.8	7.5	24.5	705.9	158.7	852.7	191.7
8	53.9	177.0	7.1	23.3	640.1	143.9	621.8	139.8
9	55.2	181.1	6.9	22.8	640.1	143.9	540.0	121.4
10	53.9	176.7	7.1	23.4	683.7	153.7	723.2	162.6
Wet surface without payload								
1	50.3	164.9	7.7	25.1	319.8	71.9	623.2	140.1
2	49.7	162.9	7.7	25.4	361.2	81.2	401.7	90.3
3	51.5	168.8	7.5	24.5	346.9	78.0	416.8	93.7
4	49.6	162.8	7.7	25.4	535.1	120.3	589.8	132.6
5	49.7	163.0	7.7	25.4	469.3	105.5	523.1	117.6
6	51.5	169.1	7.5	24.5	435.9	98.0	446.1	100.3
7	53.0	174.0	7.3	23.8	124.5	28.0	285.1	64.1
8	50.2	164.6	7.7	25.1	490.6	110.3	786.0	176.7
9	50.0	164.1	7.7	25.2	540.0	121.4	589.8	132.6
10	49.9	163.8	7.7	25.2	486.6	109.4	790.9	177.8
11	52.3	171.6	7.3	24.1	465.3	104.6	510.6	114.8
Wet surface with payload								
1	56.7	185.9	6.8	22.2	751.3	168.9	914.1	205.5
2	57.5	188.5	6.7	21.9	640.1	143.9	773.5	173.9
3	58.6	192.2	6.6	21.5	795.7	178.9	765.5	172.1
4	59.3	194.6	6.5	21.2	673.4	151.4	516.0	116.0
5	60.1	197.2	6.4	21.0	455.0	102.3	557.3	125.3
6	58.6	192.1	6.6	21.5	576.5	129.6	561.3	126.2
7	56.8	186.2	6.8	22.2	772.6	173.7	929.6	209.0
8	56.8	186.3	6.8	22.2	596.9	134.2	760.6	171.0
9	57.3	187.9	6.7	22.0	554.2	124.6	743.3	167.1
10	59.6	195.4	6.5	21.2	312.7	70.3	471.5	106.0

TABLE B-7. DODGE RAM 1500 SLT 4X4, BRAKE STOP RESULTS FROM 100 KM/HR (62 MPH)

Stop No.	Measurement							
	Stopping Distance		Deceleration Rate		Pedal effort at 0.1 sec		Pedal effort at 0.2 sec	
	m	ft	m/sec <sup>2</sup>	ft/sec <sup>2</sup>	N	lb	N	lb
Dry surface without payload								
1	60.4	198.2	6.4	20.9	82.7	18.6	120.5	27.1
2	56.6	185.8	6.8	22.2	96.1	21.6	131.7	29.6
3	60.2	197.5	6.4	20.9	107.2	24.1	138.8	31.2
4	61.3	201.1	6.3	20.6	93.9	21.1	103.2	23.2
5	64.3	210.9	6.0	19.6	63.6	14.3	98.3	22.1
6	65.4	214.5	5.9	19.3	78.7	17.7	114.3	25.7
7	59.4	194.9	6.5	21.2	81.0	18.2	100.1	22.5
8	58.1	190.7	6.6	21.7	105.0	23.6	119.2	26.8
Dry surface with payload								
1	61.5	201.9	6.2	20.5	159.7	35.9	170.8	38.4
2	62.9	206.4	6.1	20.0	91.2	20.5	81.0	18.2
3	56.8	186.4	6.8	22.2	92.1	20.7	121.4	27.3
4	55.1	180.9	7.0	22.9	121.4	27.3	161.9	36.4
5	57.2	187.5	6.7	22.0	99.2	22.3	124.5	28.0
6	54.6	179.2	7.0	23.1	100.1	22.5	161.0	36.2
7	58.0	190.3	6.6	21.7	62.7	14.1	98.3	22.1
8	57.7	189.4	6.6	21.8	85.0	19.1	120.5	27.1
9	53.2	174.7	7.2	23.7	108.1	24.3	147.7	33.2
Wet surface without payload								
1	66.0	216.6	5.8	19.1	84.1	18.9	130.3	29.3
2	71.6	234.9	5.4	17.6	58.7	13.2	89.0	20.0
3	65.9	216.1	5.8	19.1	64.9	14.6	96.1	21.6
4	63.2	207.5	6.1	19.9	120.5	27.1	146.8	33.0
5	63.6	208.7	6.0	19.8	95.2	21.4	125.4	28.2
6	62.8	205.9	6.1	20.1	73.8	16.6	93.9	21.1
7	60.3	197.7	6.4	20.9	88.1	19.8	113.4	25.5
8	62.5	205.1	6.2	20.2	85.0	19.1	121.4	27.3
9	61.7	202.5	6.2	20.4	70.7	15.9	89.0	20.0
10	61.2	200.8	6.3	20.6	98.3	22.1	124.5	28.0
Wet surface with payload								
1	63.8	209.2	6.0	19.8	59.6	13.4	101.0	22.7
2	58.9	193.4	6.5	21.4	89.0	20.0	150.8	33.9
3	61.1	200.6	6.3	20.6	88.1	19.8	112.1	25.2
4	61.7	202.4	6.2	20.4	140.6	31.6	177.0	39.8
5	63.0	206.6	6.1	20.0	100.1	22.5	106.3	23.9
6	62.3	204.5	6.2	20.2	85.8	19.3	98.3	22.1
7	61.6	202.0	6.2	20.5	96.1	21.6	106.3	23.9
8	63.3	207.7	6.1	19.9	88.1	19.8	105.0	23.6
9	67.2	220.5	5.7	18.7	111.2	25.0	129.4	29.1



TABLE B-8. CHEVROLET EXPRESS (1-TON), BRAKE STOP RESULTS FROM 100 KM/HR (62 MPH)

Stop No.	Measurement							
	Stopping Distance		Deceleration Rate		Pedal effort at 0.1 sec		Pedal effort at 0.2 sec	
	m	ft	m/sec <sup>2</sup>	ft/sec <sup>2</sup>	N	lb	N	lb
Dry surface without payload								
1	49.0	160.8	7.8	25.7	502.6	113.0	633.0	142.3
2	51.3	168.3	7.5	24.6	290.5	65.3	578.7	130.1
3	50.3	164.9	7.7	25.1	338.9	76.2	544.0	122.3
4	50.5	165.8	7.6	24.9	322.5	72.5	435.9	98.0
5	50.2	164.6	7.7	25.1	307.4	69.1	417.7	93.9
6	50.9	167.0	7.6	24.8	357.2	80.3	364.3	81.9
7	52.8	173.2	7.3	23.9	163.7	36.8	446.1	100.3
8	50.6	166.1	7.6	24.9	499.5	112.3	794.9	178.7
9	51.2	168.1	7.5	24.6	455.0	102.3	534.2	120.1
10	50.4	165.3	7.6	25.0	593.8	133.5	609.8	137.1
Dry surface with payload								
1	55.7	182.8	6.9	22.6	149.9	33.7	476.4	107.1
2	57.4	188.4	6.7	21.9	76.1	17.1	491.5	110.5
3	55.2	181.0	6.9	22.8	262.0	58.9	1175.2	264.2
4	53.6	176.0	7.2	23.5	775.7	174.4	758.4	170.5
5	56.2	184.5	6.8	22.4	791.7	178.0	914.1	205.5
6	55.5	182.0	6.9	22.7	828.2	186.2	920.3	206.9
7	55.6	182.5	6.9	22.7	568.5	127.8	628.1	141.2
8	55.8	183.1	6.9	22.6	591.6	133.0	663.6	149.2
9	53.9	176.8	7.1	23.4	567.6	127.6	688.6	154.8
10	50.9	166.9	7.6	24.8	616.0	138.5	557.3	125.3
Wet surface without payload								
1	55.1	180.7	7.0	22.9	165.0	37.1	363.0	81.6
2	56.9	186.7	6.7	22.1	123.2	27.7	442.1	99.4
3	53.8	176.6	7.1	23.4	390.5	87.8	653.4	146.9
4	54.4	178.5	7.1	23.2	774.8	174.2	640.1	143.9
5	54.1	177.6	7.1	23.3	652.5	146.7	819.3	184.2
6	53.6	175.8	7.2	23.5	594.7	133.7	569.3	128.0
7	55.0	180.3	7.0	22.9	521.8	117.3	540.9	121.6
8	55.0	180.5	7.0	22.9	620.9	139.6	704.1	158.3
9	53.6	176.0	7.2	23.5	512.9	115.3	512.9	115.3
10	54.4	178.6	7.1	23.2	528.9	118.9	625.8	140.7
11	55.0	180.5	7.0	22.9	712.1	160.1	652.5	146.7
Wet surface with payload								
1	55.2	181.1	6.9	22.8	897.2	201.7	933.6	209.9
2	56.9	186.7	6.7	22.1	630.3	141.7	764.6	171.9
3	57.5	188.7	6.7	21.9	504.8	113.5	529.8	119.1
4	56.4	184.9	6.8	22.4	472.4	106.2	710.8	159.8
5	54.5	178.9	7.0	23.1	917.2	206.2	890.0	200.1
6	56.1	184.1	6.9	22.5	846.5	190.3	761.5	171.2
7	57.8	189.5	6.6	21.8	142.8	32.1	487.5	109.6
8	55.6	182.5	6.9	22.7	376.3	84.6	715.2	160.8
9	56.7	186.1	6.8	22.2	458.1	103.0	593.8	133.5

TABLE B-9. CHEVROLET ASTRO, BRAKE STOP RESULTS FROM 100 KM/HR (62 MPH)

Stop No.	Measurement							
	Stopping Distance		Deceleration Rate		Pedal effort at 0.1 sec		Pedal effort at 0.2 sec	
	m	ft	m/sec <sup>2</sup>	ft/sec <sup>2</sup>	N	lb	N	lb
Dry surface without payload								
1	52.0	170.5	7.4	24.4	302.5	68.0	583.6	131.2
2	52.6	172.5	7.3	24.0	584.5	131.4	646.3	145.3
3	52.0	170.7	7.4	24.2	243.8	54.8	655.2	147.3
4	51.2	167.9	7.5	24.6	20.0	4.5	453.3	101.9
5	51.5	169.0	7.5	24.5	421.7	94.8	628.1	141.2
6	52.2	171.4	7.3	24.1	488.4	109.8	634.3	142.6
7	52.1	170.9	7.4	24.2	590.7	132.8	757.5	170.3
8	51.8	170.1	7.4	24.3	668.5	150.3	571.6	128.5
9	51.5	169.1	7.5	24.5	504.8	113.5	624.9	140.5
Dry surface with payload								
1	56.3	184.8	6.8	22.4	460.4	103.5	502.6	113.0
2	55.4	181.6	6.9	22.8	470.2	105.7	540.9	121.6
3	54.7	179.5	7.0	23.0	478.2	107.5	736.1	165.5
4	54.4	178.4	7.1	23.2	494.6	111.2	561.3	126.2
5	55.8	183.0	6.9	22.6	466.2	104.8	542.2	121.9
6	56.6	185.7	6.8	22.5	278.0	62.5	467.0	105.0
7	56.0	183.8	6.9	22.5	566.2	127.3	474.2	106.6
8	56.1	184.0	6.9	22.5	294.5	66.2	516.9	116.2
9	57.1	187.4	6.7	22.1	258.0	58.0	432.8	97.3
10	56.7	186.1	6.8	22.2	342.1	76.9	473.3	106.4
Wet surface without payload								
1	54.5	178.9	7.0	23.1	450.1	101.2	443.0	99.6
2	53.6	176.0	7.2	23.5	406.5	91.4	463.0	104.1
3	53.4	175.1	7.2	23.6	554.2	124.6	642.3	144.4
4	54.0	177.3	7.1	23.3	358.1	80.5	423.9	95.3
5	52.8	173.1	7.3	23.9	380.3	85.5	550.2	123.7
6	53.5	175.4	7.2	23.6	550.2	123.7	580.5	130.5
7	52.6	172.5	7.3	24.0	316.7	71.2	523.1	117.6
8	53.0	173.8	7.3	23.8	485.3	109.1	555.1	124.8
9	53.4	175.2	7.2	23.6	408.8	91.9	582.7	131.0
10	52.4	172.0	7.3	24.0	259.8	58.4	556.4	125.1
Wet surface with payload								
1	61.9	203.0	6.2	20.4	296.2	66.6	330.9	74.4
2	60.3	197.8	6.4	20.9	266.0	59.8	386.5	86.9
3	58.4	191.6	6.6	21.6	225.5	50.7	350.1	78.7
4	57.2	187.7	6.7	22.0	209.5	47.1	408.8	91.9
5	56.4	184.9	6.8	22.4	523.1	117.6	570.2	128.2
6	56.4	184.9	6.8	22.4	468.4	105.3	559.1	125.7
7	56.3	184.7	6.8	22.4	385.2	86.6	517.7	116.4
8	56.9	186.6	6.8	22.2	466.2	104.8	602.7	135.5
9	56.0	183.8	6.9	22.5	366.1	82.3	660.5	148.5
10	56.6	185.6	6.8	22.3	428.8	96.4	635.2	142.8

TABLE B-10. PONTIAC BONNEVILLE SE. BRAKE STOP RESULTS FROM 100 KM/HR (62 MPH)

Stop No.	Measurement							
	Stopping Distance		Deceleration Rate		Pedal effort at 0.1 sec		Pedal effort at 0.2 sec	
	m	ft	m/sec <sup>2</sup>	ft/sec <sup>2</sup>	N	lb	N	lb
Dry surface without payload								
1	48.0	157.4	8.0	26.3	755.3	169.8	921.2	207.1
2	47.7	156.4	8.0	26.4	648.1	145.7	841.6	189.2
3	48.0	157.4	8.0	26.3	444.8	100.0	549.3	123.5
4	47.3	155.2	8.1	26.6	450.1	101.2	492.4	110.7
5	47.8	156.7	8.0	26.4	518.6	116.6	715.2	160.8
6	47.8	156.9	8.0	26.4	506.6	113.9	723.2	162.6
7	47.1	154.4	8.2	26.8	431.0	96.9	747.3	168.0
8	48.6	159.3	7.9	26.0	743.3	167.1	878.9	197.6
9	48.5	159.2	7.9	26.0	738.4	166.0	971.0	218.3
10	46.8	153.6	8.2	26.9	612.0	137.6	591.6	133.0
Dry surface with payload								
1	52.5	172.2	7.3	24.0	315.4	70.9	480.4	108.0
2	50.8	166.7	7.6	24.8	286.0	64.3	552.0	124.1
3	50.2	164.7	7.7	25.1	317.6	71.4	557.3	125.3
4	49.1	161.0	7.8	25.7	334.9	75.3	583.6	131.2
5	48.9	160.4	7.9	25.8	464.4	104.4	872.7	196.2
6	49.6	162.7	7.7	25.4	269.1	60.5	408.8	91.9
7	48.6	159.5	7.9	25.9	250.0	56.2	459.0	103.2
8	48.4	158.9	7.9	26.0	274.0	61.6	428.8	96.4
9	50.2	164.8	7.7	25.1	277.1	62.3	558.2	125.5
10	49.2	161.4	7.8	25.6	212.2	47.7	435.0	97.8
11	48.6	159.3	7.9	26.0	226.4	50.9	432.8	97.3
Wet surface without payload								
1	49.6	162.7	7.7	25.4	705.0	158.5	802.0	180.3
2	48.4	158.7	8.0	26.1	568.5	127.8	921.2	207.1
3	49.7	162.9	7.7	25.4	422.6	95.0	514.6	115.7
4	49.1	161.2	7.8	25.6	394.5	88.7	560.4	126.0
5	49.6	162.6	7.7	25.4	609.8	137.1	752.6	169.2
6	49.6	162.7	7.7	25.4	355.8	80.0	682.8	153.5
7	49.7	163.1	7.7	25.3	671.6	151.0	597.8	134.4
8	48.6	159.5	7.9	25.9	542.2	121.9	663.6	149.2
9	48.4	158.9	7.9	26.0	421.7	94.8	641.4	144.2
10	49.1	161.1	7.8	25.7	482.6	108.5	534.2	120.1
Wet surface with payload								
1	50.7	166.4	7.6	24.9	384.3	86.4	433.7	97.5
2	50.0	163.9	7.7	25.2	580.5	130.5	669.4	150.5
3	50.7	166.5	7.6	24.8	658.3	148.0	661.4	148.7
4	51.0	167.2	7.5	24.7	294.5	66.2	556.4	125.1
5	50.7	166.4	7.6	24.8	232.6	52.3	439.0	98.7
6	49.4	162.1	7.8	25.5	117.4	26.4	384.3	86.4
7	49.7	163.1	7.7	25.4	276.2	62.1	408.8	91.9
8	50.1	164.4	7.7	25.1	220.6	49.6	313.6	70.5
9	51.7	169.6	7.4	24.3	418.6	94.1	666.3	149.8
10	50.3	165.1	7.6	25.0	399.4	89.8	739.3	166.2

TABLE B-11. BASELINE BRAKE STOP RESULTS FROM 100 KM/HR (62 MPH),  
PONTIAC GRAND AM SE ON DRY SURFACE WITHOUT PAYLOAD

Stop No.	Measurement							
	Stopping Distance		Deceleration Rate		Pedal effort at 0.1 sec		Pedal effort at 0.2 sec	
	m	ft	m/sec <sup>2</sup>	ft/sec <sup>2</sup>	N	lb	N	lb
7 October 1998 (Ford Expedition)								
1	46.0	151.0	8.3	27.4	446.1	100.3	1354.8	300.1
2	45.1	147.9	8.5	28.0	638.3	143.5	1419.8	319.2
3	46.7	153.3	8.2	27.0	855.8	192.4	1330.8	299.2
4	45.0	147.7	8.5	28.0	917.2	206.2	1447.4	325.4
5	45.8	150.1	8.4	27.5	1209.4	271.9	1411.8	317.4
6	45.5	148.7	8.5	27.8	879.8	197.8	1364.2	306.7
8 October 1998 (Ford Expedition) NOTE: SURFACE WAS DAMP DURING TESTING								
1	47.3	155.0	8.1	26.7	235.7	53.0	947.9	213.1
2	47.6	156.2	8.1	26.5	656.5	147.6	1410.0	317.0
3	47.5	155.9	8.1	26.5	555.1	124.8	1101.3	247.6
4	48.7	159.7	7.9	25.9	279.3	62.8	1134.7	255.1
5	47.9	157.1	8.0	26.3	173.0	38.9	920.3	206.9
6	48.3	158.6	7.9	26.1	121.4	27.3	658.3	148.0
9 October 1998 (Ford Expedition)								
1	43.0	140.9	8.9	29.3	647.2	145.5	1045.7	235.1
2	43.8	143.7	8.8	28.8	577.4	129.8	929.6	209.0
3	44.1	144.6	8.7	28.6	806.0	181.2	1131.6	254.4
4	43.6	143.1	8.8	28.9	681.9	153.3	1149.8	258.5
5	44.1	144.6	8.7	28.6	613.8	138.0	957.7	215.3
6	43.6	143.1	8.8	28.9	697.9	156.9	1009.3	226.9
13 October 1998 (Toyota Camry)								
1	43.9	144.0	8.8	28.7	841.6	189.2	1142.7	256.9
2	44.4	145.8	8.6	28.4	971.0	218.3	1365.5	307.0
3	45.3	148.6	8.5	27.8	998.1	224.4	1278.4	287.4
4	44.0	144.3	8.7	28.7	811.3	182.4	1253.9	281.9
5	44.1	144.8	8.7	28.6	901.2	202.6	1184.5	266.3
6	44.1	144.6	8.7	28.6	717.0	161.2	963.9	216.7
14 October 1998 (Toyota Camry)								
1	45.9	150.7	8.4	27.4	589.8	132.6	1074.2	241.5
2	45.3	148.6	8.5	27.8	690.8	155.3	908.3	204.2
3	45.9	150.7	8.4	27.4	863.8	194.2	965.7	217.1
4	44.8	146.8	8.6	28.2	624.9	140.5	798.0	179.4
5	45.8	150.2	8.4	27.5	304.2	68.4	655.2	147.3
15 October 1998 (Toyota Camry)								
1	42.5	139.5	9.0	29.6	665.4	149.6	804.2	180.8
2	42.5	139.3	9.0	29.7	562.2	126.4	831.3	186.9
3	42.9	140.6	9.0	29.4	479.5	107.8	592.5	133.2
19 October 1998 (Chevrolet Malibu) NOTE: TIRES ROTATED BEFORE TESTING								
1	47.9	157.2	8.0	26.3	361.2	81.2	417.7	93.9
2	48.3	158.4	8.0	26.1	318.5	71.6	397.7	89.4
3	44.9	147.4	8.6	28.1	477.3	107.3	569.3	128.0
20 October 1998 (Chevrolet Malibu)								
1	43.8	143.7	8.8	28.8	635.2	142.8	676.5	152.1
2	44.2	145.0	8.7	28.5	348.7	78.4	501.7	112.8
3	45.3	148.4	8.5	27.9	324.7	73.0	453.3	101.9

TABLE B-11. BASELINE BRAKE STOP RESULTS FROM 100 KM/HR (62 MPH),  
PONTIAC GRAND AM SE ON DRY SURFACE WITHOUT PAYLOAD (continued)

Stop No.	Measurement							
	Stopping Distance		Deceleration Rate		Pedal effort at 0.1 sec		Pedal effort at 0.2 sec	
	m	ft	m/sec <sup>2</sup>	ft/sec <sup>2</sup>	N	lb	N	lb
22 October 1998 (Cadillac DeVille)								
1	42.8	140.3	9.0	29.5	817.1	183.7	1177.4	264.7
2	42.8	140.3	9.0	29.5	1007.5	226.5	1700.0	382.2
3	43.0	141.1	8.9	29.3	1105.3	248.5	1683.1	378.4
23 October 1998 (Cadillac DeVille)								
1	42.7	140.0	9.0	29.5	906.1	203.7	1229.0	276.3
2	42.7	140.2	9.0	29.5	680.5	153.0	945.6	212.6
3	42.9	140.7	9.0	29.4	898.9	202.1	1201.4	270.1
30 October 1998 (Dodge Caravan)								
1	43.8	143.6	8.8	28.8	480.4	108.0	591.6	133.0
2	43.3	142.0	8.9	29.1	551.1	123.9	681.9	153.3
3	43.7	143.4	8.8	28.8	429.7	96.6	529.8	119.1
2 November 1998 (Dodge Caravan)								
1	43.7	143.4	8.8	28.8	486.6	109.4	713.0	160.3
2	43.4	142.2	8.9	29.1	403.4	90.7	517.7	116.4
3	43.4	142.3	8.9	29.0	506.6	113.9	594.7	133.7
3 November 1998 (Dodge Caravan)								
1	43.8	143.6	8.8	28.8	524.0	117.8	697.0	156.7
2	43.4	142.3	8.9	29.0	491.5	110.5	624.1	140.3
3	43.9	144.2	8.7	28.7	372.3	83.7	436.8	98.2
6 November 1998 (Dodge Ram 1500)								
1	45.1	148.0	8.5	27.9	129.4	29.1	302.5	68.0
2	45.0	147.5	8.5	28.0	89.0	20.0	192.2	43.2
3	44.1	144.7	8.7	28.6	159.7	35.9	386.5	86.9
4	44.4	145.5	8.7	28.4	346.9	78.0	498.6	112.1
12 November 1998 (Chevrolet Express)								
1	44.2	145.1	8.7	28.5	292.2	65.7	502.6	113.0
2	43.8	143.6	8.8	28.8	369.2	83.0	752.6	169.2
3	45.5	149.4	8.4	27.7	173.0	38.9	689.9	155.1
4	44.7	146.7	8.6	28.2	306.5	68.9	563.1	126.6
18 November 1998 (Chevrolet Astro)								
1	45.2	148.3	8.5	27.9	552.0	124.1	574.2	129.1
2	43.7	143.2	8.8	28.9	490.6	110.3	865.6	194.6
3	43.0	141.1	8.9	29.3	505.7	113.7	479.5	107.8
4	43.3	142.0	8.9	29.1	567.6	127.6	688.6	154.8
20 November 1998 (Pontiac Bonneville)								
1	42.9	140.8	8.9	29.4	791.7	178.0	1079.1	242.6
2	43.6	142.9	8.8	28.9	557.3	125.3	536.0	120.5
3	43.5	142.5	8.8	29.0	568.5	127.8	683.7	153.7