

**These rates should be used in determining what type of NJDOT Access Permit is needed and any Traffic Analysis.**

These are the rates and equations that were being used by the HAPS program as of April 21, 2023 and they will be updated as new information is available.

LAND USE CODE	LAND USE DESCRIPTION	UNITS OF MEASURE (X)	AM PEAK HOUR *	PM PEAK HOUR *	WEEKDAY DAILY TRIPS *	WEEKEND PEAK HOUR *	WEEKEND DAILY TRIPS *
0	Vacant Lot	LOT	X*0	X*0	X*0	X*0	X*0
30	Intermodal Truck Terminal	SQ. FEET	X/1000*2.14	X/1000*2.02	X1000*21.4	X/1000*2.02	X/1000*20.2
90	Park-and-Ride Lot with Bus or Light Rail Service	PRKNG SPACES	0.71*(X)	0.44*(X)	X*2.81	0.71*(X)	X*2.81
110	General Light Industrial	SQ. FEET	X/1000*0.92	X/1000*0.83	X/1000*4.96	X/1000*0.69	X/1000*5.00
130	Industrial Park	SQ. FEET	X/1000*0.41	X/1000*0.40	X/1000*3.37	X/1000*0.44	X/1000*2.54
140	Manufacturing	SQ. FEET	0.61*(X/1000)+34.25	0.62*(X/1000)+29.00	3.16*(X/1000)+160.04	(X/1000)*0.94	(X/1000)*6.42
150	Warehousing	SQ. FEET	0.11*(X/1000)+30.07	0.15*(X/1000)+22.52	1.58*(X/1000)+45.54	(X/1000)*0.05	(X/1000)*0.15
151	Mini Warehouse	SQ. FEET	X/1000*0.20	X/1000*0.20	X/1000*1.51	X/1000*0.31	(X/1000)*1.95
154	High-Cube Transload and Short-Term Storage Warehouse	SQ. FEET	X/1000*0.12	X/1000*0.16	X/1000*1.40	X/1000*0.12	(X/1000)*0.94
155	High-Cube Fulfillment Center Warehouse	SQ. FEET	X/1000*0.43	X/1000*0.48	X/1000*8.18	X/1000*0.13	X/1000*8.18
156	High-Cube Parcel Hub Warehouse	SQ. FEET	X/1000*0.88	X/1000*.71	X/1000*7.75	X/1000*0.88	X/1000*7.75
157	High-Cube Cold Storage Warehouse	SQ. FEET	0.11*(X/1000)	0.12*(X/1000)	2.12*(X/1000)	0.12*(X/1000)	2.12*(X/1000)
180	Specialty Trade Contractor	SQ. FEET	1.66*(X/1000)	1.93*(X/1000)	9.82*(X/1000)	1.93*(X/1000)	9.82*(X/1000)
210	Single Family Detached Housing	UNITS	EXP(0.91*LN(X)+0.20)	EXP(0.94*LN(X)+0.34)	EXP(0.92*LN(X)+2.71)	0.84*X+17.99	EXP(0.94*LN(X)+2.56)
220	Multifamily Housing (Low-Rise)	UNITS	EXP(0.94*LN(X)-0.29)	0.66*X+1.41	(7.56*X-40.86)	0.70*X	8.14*X
221	Multifamily Housing (Mid-Rise)	UNITS	X*0.36	X*0.44	5.45(X)-1.75	X*0.44	X*4.91
222	Multifamily Housing (High-Rise >10 Floor)	UNITS	0.31(X)+12.91	0.35*X+15.40	3.94(X)+211.81	0.31(X)+24.03	4.08(X)+185.69
225	Off-Campus Student Apartment	BEDROOMS	X*0.20	0.33(X)-7.94	4.09(X)-78.98	0.33(X)-7.94	4.09(X)-78.98
240	Mobile Home Park	UNITS	X*0.26	X*0.49	X*5.00	X*0.43	X*4.61
251	Senior Adult Housing -- Detached	UNITS	0.26*X+36.52	0.26*X+56.53	EXP(0.88*LN(X)+2.28)	0.23*X	2.73*X
252	Senior Adult Housing -- Attached	UNITS	0.20*X-0.18	0.36*X-4.50	4.02*X-25.37	0.35*X-1.67	3.97*X-60.09
253	Congregate Care Facility	UNITS	0.17*X-1.10	0.22*X-2.85	X*2.02	0.22*X-2.85	X*2.02
254	Assisted Living	BEDS	X*0.19	X*0.34	X*2.60	X*0.28	X*3.15
310	Hotel	ROOMS	0.50(X)-5.34	0.75(X)-26.02	11.29(X)-426.97	0.69(X)+4.32	9.62(X)-294.56
311	All Suites Hotel	ROOMS	0.34(X)	0.45(X)-14.07	5.20(X)-119.26	0.45(X)-14.07	5.20(X)-119.26
320	Motel	ROOMS	X*0.43	X*0.44	3.62(X)-29.43	X*0.44	3.62(X)-29.43
330	Resort Hotel	ROOMS	0.50*(X)-47.88	0.48*(X)+8.67	10*(0.48*(X)+8.67)	0.48*(X)+8.67	10*(0.48*(X)+8.67)
411	Public Park	ACRES	X*0.15	0.08(X)+15.36	0.64(X)+88.46	0.18(X)+36.85	X*2.19
416	Campground/Recreational Vehicle Park	ACRES	X*0.52	X*1.06	X*10.6	X*1.06	X*10.6
420	Marina	BERTHS	X*0.12	X*0.21	X*2.41	X*0.31	X*3.49
430	Golf Course	HOLES	X*2.96	X*3.68	X*30.38	X*3.03	X*19.89
432	Golf Driving Range	TEES/DRIVING POSITIONS	X*1.02	X*1.65	X*13.65	X*1.32	X*17.68
437	Bowling Alley	SQ. FEET	X/1000*0.81	X/1000*1.16	X/1000*11.60	X/1000*1.16	X/1000*11.60
444	Movie Theater (# of Screens <=9)	SCREENS	X*9.5	X*37.83	X*220.00	X*102.87	X*546.86
445	Multiplex Movie Theater (# of Screens =>10)	SCREENS	X*9.5	X*25.84	X*292.50	X*65.07	X*292.50
465	Ice Skating Rink	SQ. FEET	(X/1000)*0.49	(X/1000)*1.33	(X/1000)*13.30	(X/1000)*2.63	(X/1000)*26.30
480	Amusement Park	ACRES	X*3.16	X*4.99	X*53.41	X*19.55	X*198.97
488	Soccer Complex	FIELDS	X*1.77	X*16.90	X*71.33	X*40.10	X*404.88
492	Health/Fitness Club	SQ.FEET	X/1000*1.40	X/1000*3.92	X/1000*39.20	X/1000*3.19	X/1000*31.90
493	Athletic Club	SQ. FEET	X/1000*3.40	X/1000*6.36	X/1000*63.60	X/1000*8.60	X/1000*86.00
495	Recreational Community Center	SQ. FEET	1.76*X/1000	2.31*X/1000	28.82*X/1000	1.48*X/1000	13.60*X/1000
520	Elementary School	STUDENTS	X*0.67	X*0.34	X*1.89	X*0.10	X*0.58
522	Middle School/Junior High School	STUDENTS	X*0.70	X*0.35	X*2.12	X*0.10	X*0.58
530	High School	STUDENTS	X*0.55	X*0.33	X*2.03	X*0.10	X*0.58
534	Private School (K-8)	STUDENTS	0.88(X)+14.85	0.63(X)-1.93	X*4.11	X*0.10	X*0.58
536	Private School (K-12)	STUDENTS	X*0.81	X*0.58	X*2.48	X*0.10	X*0.58
540	Junior/Community College	STUDENTS	X*0.12	X*0.13	X*1.15	X*0.05	X*0.42
550	University/College	STUDENTS	EXP(0.95*LN(X)-1.63)	EXP(0.97*LN(X)-1.69)	1.38*(X)+2108.83	EXP(0.97*LN(X)-1.69)	1.38*(X)+2108.83
560	Church	SQ. FEET	(X/1000)*0.65	(X/1000)*0.80	(X/1000)*6.95	(X/1000)*9.99	(X/1000)*27.63
561	Synagogue	SQ. FEET	(X/1000)*2.41	(X/1000)*2.92	(X/1000)*29.20	(X/1000)*7.83	(X/1000)*78.30

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565	Day Care Center	SQ. FEET	(X/1000)*11.73	(X/1000)*11.82	(X/1000)*47.62	(X/1000)*1.75	(X/1000)*6.22
566	Cemetery	ACRES	X*1.23	X*1.26	4.65*(X)+70.83	X*2.63	X*13.94
590	Library	SQ. FEET	7.21*X/1000-14.35	8.48*X/1000+0.80	EXP(0.99*LN(X/1000)+4.28)	(X/1000)*12.60	(X/1000)*80.09
610	Hospital	SQ. FEET	0.74*(X/1000)+126.36	0.83*(X/1000)+118.28	10.72(X/1000)	X/1000*4.85	X/1000*7.72
620	Nursing Home	BEDS	X*0.22	X*0.37	X*3.06	X*0.40	X*2.41
630	Clinic	SQ. FEET	X/1000*5.22	X/1000*4.64	X/1000*38.16	X/1000*5.22	X/1000*38.16
640	Animal Hospital/Veterinary Clinic	SQ. FEET	3.73*X/1000	3.83*X/1000	21.50*X/1000	3.83*X/1000	21.50*X/1000
710	General Office Building (> or = 200,000 SF)	SQ. FEET	EXP(0.88*LN(X/1000)+1.06)	1.10*(X/1000)+65.39	EXP(0.97*LN(X/1000)+2.50)	0.53*(X/1000)	2.21*(X/1000)
714	Corporate Headquarters Building	SQ. FEET	(X/1000)*1.46	(X/1000)*1.40	6.16*(X/1000)+462.50	(X/1000)*0.10	(X/1000)*10.00
720	Medical-Dental Office Building	SQ. FEET	3.43*(X/1000)+2.57	4.10*(X/1000)	34.80*(X/1000)	(X/1000)*3.10	X/1000*8.57
730	Government Office Building	SQ. FEET	X/1000*3.69	X/1000*3.19	X/1000*22.59	X/1000*3.69	X/1000*22.59
731	State Motor Vehicles Department	SQ. FEET	(X/1000)*8.86	(X/1000)*7.68	(X/1000)*11.21	(X/1000)*8.86	(X/1000)*11.21
732	United States Post Office	SQ. FEET	(X/1000)*12.38	(X/1000)*15.11	(X/1000)*103.94	(X/1000)*5.33	(X/1000)*43.83
760	Research and Development Center	SQ. FEET	X/1000*1.22	X/1000*1.11	10.23*(X/1000)+204.68	X/1000*0.24	X/1000*1.90
810	Tractor Supply Store	SQ. FEET	(X/1000)*1.40	(X/1000)*1.40	(X/1000)*14.00	(X/1000)*3.17	(X/1000)*31.70
812	Building Materials and Lumber Store	SQ. FEET	2.37*(X/1000)	2.77*(X/1000)	18.05*(X/1000)	EXP(0.95*LN(X/1000)+2.35)	36.74*(X/1000)+137.42
814	Variety Store	SQ. FEET	X/1000*4.52	X/1000*7.42	X/1000*63.47	X/1000*7.42	X/1000*63.47
815	Free-Standing Discount Store	SQ. FEET	X/1000*5.43	X/1000*5.33	X/1000*53.12	X/1000*7.87	X/1000*70.76
816	Hardware/Paint Store	SQ. FEET	1.07*(X/1000)+4.31	0.98*(X/1000)+2.27	9.94*(X/1000)-12.22	2.25*(X/1000)	22.50*(X/1000)
817	Nursery (Garden Center)	SQ. FEET	X/1000*8.0	X/1000*8.37	X/1000*68.10	X/1000*20.06	X/1000*133.31
818	Nursery (Wholesale)	SQ. FEET	(X/1000)*3.03	(X/1000)*5.18	(X/1000)*39.00	(X/1000)*5.70	(X/1000)*29.94
820	Shopping Center	SQ. FEET	(X/1000)*0.94	EXP(0.72*LN(X/1000)+3.02)	EXP(0.68*LN(X/1000)+5.57)	EXP(0.79*LN(X/1000)+2.79)	(X/1000)*46.12
823	Factory Outlet Center	SQ. FEET	2.06*X/1000	2.29*X/1000	26.59*X/1000	3.79*X/1000	40.97*X/1000
843	Automobile Parts Sales	SQ. FEET	4.41*X/1000	5.83*X/1000	55.34*X/1000	11.53*X/1000	115.30*X/1000
848	Tire Store	SQ. FEET	(X/1000)*3.73	(X/1000)*3.98	(X/1000)*28.52	(X/1000)*5.05	(X/1000)*50.50
850	Supermarket	SQ. FEET	X/1000*6.67	X/1000*9.24	X/1000*106.78	X/1000*18.94	X/1000*177.62
851	Convenience Market	SQ. FEET	X/1000*68.83	X/1000*53.51	X/1000*762.28	X/1000*79.12	X/1000*1084.17
853	Convenience Market With Gas Pumps(<3000 SF)	SQ. FEET	X/1000*42.19	X/1000*49.59	X/1000*624.20	X/1000*49.59	X/1000*624.20
854	Discount Supermarket	SQ. FEET	8.06*(X/1000)-162.88	EXP(0.89*LN(X/1000)+2.59)	(X/1000)*90.87	EXP(0.78*LN(X/1000)+3.21)	(X/1000)*111.86
857	Discount Club	SQ. FEET	(X/1000)*3.37	(X/1000)*4.61	(X/1000)*41.80	(X/1000)*6.37	(X/1000)*53.75
862	Home Improvement Superstore	SQ. FEET	(X/1000)*2.75	(X/1000)*3.29	(X/1000)*30.74	(X/1000)*7.05	(X/1000)*56.72
863	Electronics Superstore	SQ. FEET	7.02*(X/1000)-125.74	8.87*(X/1000)-162.71	84.01*(X/1000)-1576.41	(X/1000)*7.02	(X/1000)*55.12
864	Toy/Children's Superstore	SQ. FEET	(X/1000)*5.00	(X/1000)*5.00	(X/1000)*50.00	(X/1000)*5.53	(X/1000)*55.3
869	Discount Home Furnishing Superstore	SQ. FEET	X/1000*0.57	X/1000*1.57	X/1000*20.00	X/1000*3.40	X/1000*33.29
880	Pharmacy/Drugstore without Drive-Through Window	SQ. FEET	(X/1000)*7.71	(X/1000)*11.07	90.08*(X/1000)	(X/1000)*10.68	(X/1000)*106.80
881	Pharmacy/Drugstore with Drive-Through Window	SQ. FEET	(X/1000)*9.13	(X/1000)*11.32	(X/1000)*109.16	(X/1000)*8.75	(X/1000)*114.89
882	Marijuana Dispensary	SQ. FEET	(X/1000)*16.57	(X/1000)*24.57	(X/1000)*211.12	(X/1000)*28.85	(X/1000)*259.31
890	Furniture Store	SQ. FEET	(X/1000)*0.52	(X/1000)*0.70	(X/1000)*6.30	(X/1000)*1.29	(X/1000)*7.15
899	Liquor Store	SQ. FEET	4.14*(X/1000)+1.97	17.12*X/1000	X/1000*101.49	17.12*X/1000	X/1000*171.20
912	Drive-in Bank	WINDOWS	X*17.55	X*27.15	X*124.76	X*27.67	X*127.26
931	Quality Restaurant	SQ. FEET	X/1000*4.47	X/1000*8.28	X/1000*83.84	X/1000*10.68	X/1000*90.04
932	High Turnover (Sit-Down) Restaurant	SQ. FEET	X/1000*14.04	X/1000*17.41	X/1000*112.18	X/1000*18.46	X/1000*142.64
933	Fast Food Restaurant without Drive Through Window	SQ. FEET	X/1000*47.66	X/1000*48.70	X/1000*346.23	X/1000*54.60	X/1000*696.00
934	Fast Food Restaurant with Drive Through Window	SQ. FEET	X/1000*50.97	X/1000*51.36	X/1000*470.95	X/1000*55.15	X/1000*616.12
935	Fast Food Restaurant with Drive Through Window and No Indoor Seating	SQ. FEET	X/1000*65.81	X/1000*67.44	X/1000*459.20	X/1000*67.44	X/1000*459.20
936	Coffee/Donut Shop without Drive-Through Window	SQ. FEET	X/1000*101.14	X/1000*36.31	X/1000*1011.40	X/1000*59.01	X/1000*590.10
937	Coffee/Donut Shop with Drive-Through Window	SQ. FEET	X/1000*97.96	X/1000*43.38	X/1000*820.38	X/1000*87.70	X/1000*877.00
941	Quick Lubrication Vehicle Shop	SERVICE BAYS	X*4.00	X*4.60	X*40.00	X*4.50	X*42.00
942	Automobile Care Center	SQ. FEET	X/1000*2.83	X/1000*3.51	X/1000*35.10	X/1000*2.37	X/1000*23.72
943	Automobile Parts and Service Center	SQ. FEET	X/1000*2.75	X/1000*2.62	X/1000*16.28	X/1000*6.62	X/1000*66.20
947	Self Service Car Wash	WASH STALLS	X*8.00	X*8.00	X*108	X*15.25	X*132.80
948	Automated Car Wash	CAR WASH TUNNEL	X*77.50	X*77.50	X*775.00	X*41	X*410.00

LAND USE		UNITS OF					
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950	Truck Stop	SQ. FEET	X/1000*34.60	X/1000*36.44	X/1000*455.53	X/1000*36.44	X/1000*455.53
960	Super Convenience Market/Gas Station (> 3,000 SF)	SQ. FEET	X/1000*83.14	X/1000*69.28	X/1000*837.58	X/1000*63.80	X/1000*700.00
971	Brewery Tap Room	SQ. FEET	X/1000*0.93	X/1000*10.93	X/1000*61.69	X/1000*22.97	X/1000*122.03
W09	Banquet Hall	SEATS	X*0.16	X*0.3	X*2.86	X*0.33	X*2.81
X01	Service Station With Gas Only	STATIONS	X*71	X*92	X*1012	X*92	X*1012
X02	Service Station With Gas & Service Bays	STATIONS	X*81	X*86	X*781	X*86	X*781
X04	Service Station With Gas & Car Wash	STATIONS	X*108	X*94	X*1174	X*108	X*1174
Y01	Water Tower	TOWERS	X*2	X*2	X*4	X*2	X*4
Y02	Water Treatment Facility	PRKNG SLOTS	X*1	X*1	X*4	X*1	X*4
Y03	Maintenance Yard	EMPLOYEES	X*2	X*2	X*4	X*2	X*4
Y07	Ice Cream Parlor (Sit-Down, no take out)	SQ. FEET	X/1000*71.428	X/1000*71.428	X/1000*521.428	X/1000*71.428	X/1000*546.428
Y09	Firehouse	EMPLOYEES	X*2	X*2	X*4	X*2	X*4
Y10	State Police Headquarters	SQ. FEET	X/1000*1.01	X/1000*1.962	X/1000*11.679	X/1000*1.01	X/1000*4.279
Y14	Parking Lot	SPACES	X*1	X*1	X*10	X*1	X*10
Y15	Farm Stand/Market	FACILITY	X*20	X*38	X*375	X*52	X*480
Y16	Emergency Entrance	LOT	X*1	X*1	X*4	X*1	X*2
Y17	Parking Lot (Long Term Parking)	PRK SPACES	X*0.053	X*0.052	X*0.695	X*0.053	X*0.534
Y18	Funeral Home	FACILITY	X*20	X*24	X*124	X*16	X*53
Y23	Cellular Tower	TOWERS	X*2	X*2	X*4	X*2	X*4
Y27	Car Rental	FACILITY	X*20	X*21	X*140	X*21	X*140
Y31	Auction Facility	PRK SPACES	X*1	X*1	X*2.52	X*1	X*2.52
Y32	Rita's Water Ice	FACILITY	X*55	X*55	X*435	X*70	X*545
Y33	Motorcycle Dealer	SQ. FEET	X/1000*0.604	X/1000*1.02	X/1000*6.4175	X/1000*1.1875	X/1000*7.395
Y40	Cultural Center	SEATS	X*0.16	X*0.2	X*1.5	X*0.33	X*2.81
Y52	General Office Building (<200,000 SF)	SQ. FEET	1.47*(X/1000)	1.42*(X/1000)	EXP(0.97*LN(X/1000)+2.50)	0.53*(X/1000)	2.21*(X/1000)
Y53	Specialty Retail Center	SQ. FEET	4.91*(X/1000)+115.59	(X/1000)*5.02	(X/1000)*44.32	4.91*(X/1000)+115.59	(X/1000)*42.04
Y55	Recreation Parking Lot	PRK SPACES	X*0.25	X*0.25	X*0.25	X*0.90	X*0.90
Y56	Boat Sales / Service Facility	SQ. FEET	X/1000*0.604	X/1000*1.02	X/1000*6.4175	X/1000*1.1875	X/1000*7.395
Y60	Automobile New & Used Sales	SQ. FEET	X/1000*2.22	X/1000*2.80	X/1000*32.30	X/1000*4.02	X/1000*29.74
Y61	Convenience Store with Drive-Thru Restaurant (<3,000 SF)	SQ. FEET	X/1000*50.63	X/1000*59.51	X/1000*624.20	X/1000*59.51	X/1000*624.20
Y62	Convenience Store with Drive-Thru Restaurant (>=3,000 SF)	SQ. FEET	X/1000*99.77	X/1000*83.14	X/1000*1005.10	X/1000*76.56	X/1000*840.00
Y63	Movie Theater without Matinee (XXX) - 9th Edition	SCREENS	X*9.5	X*37.83	X*220.0	X*64.5	X*376.0