

H. Ground Access Supporting Documentation

This appendix provides information in support of Chapter 6, *Ground Access*:

H.1	Ridership.....	H-3
	Table H-1 Logan Express Bus Service Ridership	H-3
	Table H-2 Logan Express Back Bay Service Ridership.....	H-8
	Table H-3 Water Transportation Services Ridership to and from Logan Airport	H-9
	Table H-4 Massachusetts Bay Transportation Authority (MBTA) Airport Station Passengers	H-10
	Table H-5 Annual Taxi Dispatches (Tickets Sold)	H-12
H.2	Parking Rates and Availability	H-13
	Table H-6 On-Airport Commercial Parking Rates, 2010-2022 (Terminal Area Facilities)	H-13
	Table H-7 On-Airport Commercial Parking Rates, 2010-2022 (Economy Parking)	H-14
	Table H-8 Logan Airport Employee Parking Supply – Number of Spaces	H-15
	Table H-9 Logan Airport Commercial Parking Supply – Number of Spaces.....	H-16
H.3	Roadways and Vehicle Miles Traveled	H-18
	Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary	H-18
	Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary	H-32
H.4	Traffic Roadway Network	H-47
	H.4.1 Existing Traffic Roadway Network.....	H-47
	H.4.2 Future Traffic Roadway Network	H-49
H.5	Parking Freeze Report.....	H-51

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H.1 Ridership

Table H-1 Logan Express Bus Service Ridership

Service Year	Ridership			Percent Change		
	Air Passengers	Employees	Total	Air Passengers	Employees	Total
Framingham						
1992	207,847	7,573	215,420	4.3%	21.3%	4.8%
1993	229,064	12,307	241,371	10.2%	62.5%	12.0%
1994	250,342	17,352	267,694	9.3%	41.0%	10.9%
1995	274,754	21,129	295,883	9.8%	21.8%	10.5%
1996	325,665	22,932	348,597	18.5%	8.5%	17.8%
1997	316,306	29,871	346,175	(2.9%)	30.3%	(0.7%)
1998	337,007	33,971	370,978	6.5%	13.7%	7.2%
1999	345,715	31,946	380,661	3.5%	(6.0%)	2.6%
2000	371,560	34,508	406,068	6.6%	8.0%	6.7%
2001	354,521	38,740	393,261	(4.6%)	12.3%	(3.2%)
2002	342,746	42,441	385,187	(3.3%)	8.7%	(2.1%)
2003	310,024	55,979	366,003	(9.5%)	31.9%	(5.0%)
2004	323,931	54,763	378,694	4.5%	(2.2%)	3.5%
2005	318,125	57,569	375,694	(1.8%)	5.1%	(0.8%)
2006	349,022	60,764	409,789	9.7%	5.5%	9.1%
2007	311,299	57,252	368,551	(2.1%) ⁵	(0.6%) ⁵	(1.9%) ⁵
2008	276,112	57,797	333,909	(11.3%)	1.0%	(9.4%)
2009	264,233	59,840	324,073	(4.3%)	3.5%	(2.9%)
2010	272,190	62,226	334,416	3.0%	4.0%	3.2%
2011	272,301	68,228	340,529	0.0%	9.6%	1.8%
2012	279,603	82,951	362,554	2.7%	21.6%	6.5%
2013	295,654	84,008	379,662	5.7%	1.3%	4.7%
2014	303,646	87,488	391,134	2.7%	4.1%	3.0%
2015	345,680	82,943	428,623	13.8%	(5.2%)	9.6%
2016	406,253	92,642	498,895	17.5%	11.7%	16.4%
2017	434,906	99,639	534,545	7.1%	7.6%	7.2%
2018	463,377	114,151	577,528	6.5%	14.6%	8.0%
2019	486,507	129,704	616,211	5.0%	13.6%	6.7%

Table H-1 Logan Express Bus Service Ridership

Service Year	Ridership			Percent Change		
	Air Passengers	Employees	Total	Air Passengers	Employees	Total
2020	125,126	57,704	182,830	(74.3%)	(55.5%)	(70.3%)
2021	227,996	56,974	284,970	82.2%	(1.3%)	55.9%
2022	424,471	89,475	513,946	86.2%	57.0%	80.4%
Braintree						
1992	186,217	9,694	195,911	10.6%	16.6%	10.8%
1993	205,209	22,768	227,977	10.2%	134.9%	16.4%
1994	247,636	37,489	285,125	20.7%	64.7%	25.1%
1995	264,579	70,723	335,302	6.8%	88.7%	17.6%
1996	335,232	103,519	438,751	26.7%	46.4%	30.1%
1997	300,006	135,340	435,346	(10.5%)	30.7%	(0.8%)
1998	300,005	156,105	456,110	0.0%	15.3%	4.8%
1999	328,818	125,286	454,105	9.6%	(19.7%)	(0.5%)
2000	355,932	149,687	505,619	8.2%	19.5%	11.3%
2001	345,249	156,240	501,489	(3.0%)	4.4%	(0.8%)
2002	323,115	190,360	513,475	(6.4%)	21.8%	2.4%
2003	301,013	216,765	517,778	(6.8%)	13.9%	0.8%
2004	318,100	208,566	526,666	5.7%	(3.8%)	1.7%
2005	307,659	189,531	497,190	(3.2%)	(9.1%)	(5.5%)
2006	333,413	202,983	536,396	8.4%	7.1%	7.9%
2007	300,715	196,955	497,670	(2.3%) ⁵	3.9% ⁵	0.1% ⁵
2008	252,289	221,591	473,880	(16.1%)	12.5%	(4.8%)
2009	231,151	234,908	466,059	(8.4%)	6.0%	(1.7%)
2010	231,422	251,443	482,865	0.1%	7.0%	3.6%
2011 ¹	233,521	285,515	519,036	0.9%	13.6%	7.5%
2012	247,346	314,542	561,888	5.9%	10.2%	8.3%
2013	268,154	320,329	588,483	8.4%	1.8%	4.7%
2014	296,975	313,334	610,309	10.7%	(2.2%)	3.7%
2015	313,576	311,695	625,271	5.6%	(0.5%)	2.5%
2016	329,043	326,115	655,158	4.9%	4.6%	4.8%
2017	345,401	349,435	694,836	5.0%	7.2%	6.1%
2018	370,654	371,813	742,467	7.3%	6.4%	6.9%

Table H-1 Logan Express Bus Service Ridership

Service Year	Ridership			Percent Change		
	Air Passengers	Employees	Total	Air Passengers	Employees	Total
2019	407,090	413,405	820,495	9.8%	11.2%	10.5%
2020	110,171	158,762	268,933	(72.9%)	(61.6%)	(67.2%)
2021	221,821	164,818	386,639	101.3%	3.8%	43.8%
2022	373,958	350,580	724,538	68.6%	112.7%	87.4%
Woburn²						
1992 ³	3,052	91	3,143	N/A	N/A	-
1993	59,635	5,027	64,662	N/A	N/A	-
1994	119,567	9,082	128,649	100.5%	80.7%	99.0%
1995	150,147	13,376	163,523	25.6%	47.3%	27.1%
1996	190,566	17,322	207,888	26.9%	29.5%	27.1%
1997	199,715	20,018	219,733	4.8%	15.6%	5.7%
1998	208,286	22,876	231,162	4.3%	14.3%	5.2%
1999	191,454	23,495	214,949	(8.1%)	2.7%	(7.0%)
2000	195,744	27,522	223,266	2.2%	17.1%	3.9%
2001	177,375	38,318	215,530	(9.4%)	39.2%	(3.4%)
2002	161,145	73,277	234,422	(9.2%)	91.0%	8.7%
2003	164,980	103,963	268,943	(2.4%)	41.9%	14.7%
2004	172,110	111,326	283,436	4.3%	7.1%	5.4%
2005	163,227	110,961	274,188	(5.1%)	(0.3%)	(3.2%)
2006	167,341	121,672	289,013	2.5%	9.7%	5.4%
2007	149,149	123,066	272,215	(8.6%) ⁵	10.9% ⁵	(0.7%) ⁵
2008	129,385	122,777	252,162	(13.3%)	(0.2%)	(7.4%)
2009	113,607	121,633	235,240	(12.2%)	(0.9%)	(6.7%)
2010	115,257	127,120	242,377	1.5%	4.5%	3.0%
2011 ¹	118,232	151,029	269,261	2.6%	18.8%	11.1%
2012	126,549	188,747	315,296	7.0%	25.0%	17.1%
2013	140,407	192,289	332,696	11.0%	1.9%	5.5%
2014	156,045	194,341	350,386	11.1%	1.1%	5.3%
2015	163,469	191,242	354,711	4.8%	(1.6%)	1.2%
2016	170,704	197,568	368,272	4.4%	3.3%	3.8%
2017	176,485	209,194	385,679	3.4%	5.9%	4.7%

Table H-1 Logan Express Bus Service Ridership

Service Year	Ridership			Percent Change		
	Air Passengers	Employees	Total	Air Passengers	Employees	Total
2018	178,398	226,698	405,096	1.1%	8.4%	5.0%
2019	184,031	240,047	424,078	3.2%	5.9%	4.7%
2020	48,406	89,153	137,559	(73.7%)	(62.9%)	(67.6%)
2021 ⁷	64,885	44,270	109,155	34.0%	(50.3%)	(20.6%)
2022	165,419	168,587	334,006	154.9%	280.8%	206.0%
Peabody						
2001 ⁴	8,151	3,097	11,248	N/A	N/A	N/A
2002	28,626	20,629	49,255	N/A	N/A	N/A
2003	32,318	23,425	55,743	21.4%	13.6%	13.2%
2004	43,389	33,642	77,031	34.3%	43.6%	38.2%
2005	51,023	39,599	87,622	17.6%	17.7%	13.7%
2006	42,142	32,632	74,774	(17.4%)	(17.6%)	(14.7%)
2007	36,367	26,949	63,316	(28.7%) ⁵	(31.9%) ⁵	(27.7%) ⁵
2008	30,887	30,596	61,483	(15.1%)	13.5%	(2.9%)
2009	27,856	32,220	60,076	(9.8%)	5.3%	(2.3%)
2010	25,543	26,231	51,744	(8.3%)	(18.6%)	(13.8%)
2011 ¹	25,555	31,741	57,296	0.0%	21.0%	10.7%
2012	27,542	37,909	65,451	7.8%	19.4%	14.2%
2013	28,790	38,067	66,857	4.5%	0.4%	2.1%
2014	31,485	36,848	68,333	9.4%	(3.2%)	2.2%
2015	37,478	36,125	73,603	19.0%	(2.0%)	7.7%
2016	40,872	36,143	77,015	9.1%	0.0%	4.6%
2017	46,117	37,233	83,350	12.8%	3.0%	8.2%
2018	50,821	37,953	88,774	10.2%	1.9%	6.5%
2019	53,635	40,928	94,563	5.5%	7.8%	6.5%
2020 ⁶	9,697	9,363	19,060	(81.9%)	(77.1%)	(79.8%)
2021 ⁶	0	0	0	N/A	N/A	N/A
2022 ⁶	55,722	30,332	86,054	N/A	N/A	N/A

Table H-1 Logan Express Bus Service Ridership

Service Year	Ridership			Percent Change		
	Air Passengers	Employees	Total	Air Passengers	Employees	Total
Total System Ridership						
1992	397,116	17,358	414,474	8.0%	19.2%	8.5%
1993	493,908	39,832	533,740	24.4%	129.5%	28.8%
1994	617,545	63,923	681,468	25.0%	60.5%	27.7%
1995	689,480	105,228	794,708	11.6%	64.6%	16.6%
1996	851,463	143,773	995,236	23.4%	36.6%	25.2%
1997	816,015	185,229	1,001,254	(4.2%)	28.8%	0.6%
1998	845,598	212,952	1,058,550	3.6%	15.0%	5.7%
1999	868,987	180,727	1,049,714	2.7%	(15.2%)	(0.8%)
2000	923,236	211,717	1,134,953	6.2%	17.1%	8.1%
2001	885,296	236,395	1,121,691	(4.1%)	11.7%	(1.2%)
2002	855,632	326,707	1,182,339	(3.4%)	38.2%	5.4%
2003	808,335	400,132	1,208,467	(5.5%)	22.5%	2.2%
2004	857,530	408,297	1,265,827	6.1%	2.0%	2.2%
2005	837,034	397,660	1,234,694	(2.4%)	(2.6%)	(2.4%)
2006	891,918	418,051	1,309,969	6.6%	5.1%	6.1%
2007	797,530	404,222	1,201,752	(4.7%) ⁵	1.7% ⁵	(2.7%) ⁵
2008	688,673	432,761	1,121,434	(13.6%)	7.1%	(6.7%)
2009	636,847	448,601	1,085,448	(7.5%)	3.7%	(3.2%)
2010	644,412	467,020	1,111,432	1.2%	4.1%	2.4%
2011 ¹	649,609	536,513	1,186,122	0.8%	14.9%	6.7%
2012	681,040	624,149	1,305,189	4.8%	16.3%	10.0%
2013	733,005	634,693	1,367,698	8.0%	2.0%	5.0%
2014	788,151	632,011	1,420,162	7.5%	(0.4%)	3.8%
2015	860,203	622,005	1,482,208	9.1%	-1.6%	4.4%
2016	946,872	652,468	1,599,340	10.1%	4.9%	7.9%
2017	1,002,909	695,504	1,698,410	5.9%	6.6%	6.2%
2018	1,063,250	750,615	1,813,865	6.0%	7.9%	6.8%
2019	1,131,263	824,084	1,955,347	6.4%	9.8%	7.8%
2020	347,440	314,982	662,422	(69.3%)	(61.8%)	(66.1%)
2021	541,702	266,062	780,764	55.9%	(15.5%)	17.9%

Table H-1 Logan Express Bus Service Ridership

Service Year	Ridership			Percent Change		
	Air Passengers	Employees	Total	Air Passengers	Employees	Total
2022	1,055,215	638,974	1,694,189	94.8%	140.2%	117.0%

Source: Massport.

Notes: January 23, 2008: I-90/Ted Williams Tunnel opens to all traffic.

N/A Not applicable.

1 Changes to employee parking and bus fares were implemented in October 2011.

2 Woburn Express moved from Mishawum Station to the Anderson Region/AI Transportation Center (ARTC) in Woburn in May 2001.

3 Reflects a partial year of operation. Woburn Logan Express service was implemented in November 1992.

4 Reflects a partial year of operation. The Peabody Logan Express service commenced in September 2001.

5 Percent comparison between 2007 and 2005. The I-90 Ted Williams Tunnel closures in 2006 resulted in atypical ridership.

6 Peabody Logan Express service was suspended from March 2020 to February 2022.

7 Reflects a partial year of operation. Woburn Logan Express service resumed in June 2021.

Table H-2 Logan Express Back Bay Service Ridership¹

Service Year	Ridership	Percent Change
2014	152,892	N/A
2015	290,796	N/A
2016	216,329	(25.6%)
2017	137,326	(36.5%)
2018	118,663	(13.6%)
2019	250,477	111.1%
2020 ²	54,040	N/A
2021 ²	0	N/A
2022 ²	35,645	N/A

Source: Massport.

Notes:

N/A Not applicable.

Back Bay Logan Express service commenced in April 2014. Only total ridership available.

Back Bay Logan Express service was suspended from March 2020 to October 2022.

Table H-3 Water Transportation Services Ridership to and from Logan Airport

Service Year	Rowes Wharf/Fan Pier Water Shuttle	Private Water Taxi (on-demand)	Harbor Express (Hingham-Hull-Boston Logan) ¹	Boston Logan Water Shuttle (Long Wharf)	Total
1990	181,530	NS	NS	NS	181,530
1991	142,500	NS	NS	NS	142,500
1992	133,297	NS	NS	NS	133,297
1993	159,525	NS	NS	NS	159,525
1994	209,057	NS	NS	NS	209,057
1995	203,829	NS	NS	NS	203,829
1996	159,992	3,364	11,781	NS	175,137
1997	132,542	6,299	71,309	NS	210,150
1998	124,836	9,243	101,174	NS	235,253
1999	122,211	17,252	98,539	NS	238,002
2000	128,097	26,335	83,243	NS	237,675
2001	107,400	29,642	82,704	NS	219,746
2002	75,304	36,736	66,471	NS	178,511
2003	26,480 ²	35,724 ³	61,849	5,722 ⁴	129,775
2004	NS	54,540	58,788	3,202 ⁵	116,530
2005	NS	44,975	51,960	NS	96,935
2006	NS	63,639	70,998	NS	134,637
2007	NS	50,737	59,460	NS	110,197
2008	NS	48,630	48,003	NS	96,633
2009	NS	50,734	37,861	NS	88,595
2010	NS	54,382	34,794	NS	89,176
2011	NS	58,879	33,403	NS	92,282
2012	NS	60,840	30,337	NS	91,177
2013	NS	70,378	21,952	NS	92,303
2014	NS	67,479	19,340	NS	86,819
2015	NS	70,798	7,748	NS	78,546
2016	NS	74,788	7,757	NS	82,545
2017	NS	83,689	7,424	NS	91,113
2018	NS	77,813	6,609	NS	84,422

Table H-3 Water Transportation Services Ridership to and from Logan Airport

Service Year	Rowes Wharf/Fan Pier Water Shuttle	Private Water Taxi (on-demand)	Harbor Express (Hingham-Hull-Boston Logan) ¹	Boston Logan Water Shuttle (Long Wharf)	Total
2019	NS	61,071	7,467	NS	68,538
2020	NS	4,080	938	NS	5,018
2021	NS	19,363	1,760	NS	21,123
2022	NS	23,214	5,613	NS	28,827

Source: Massport.

Notes: Figures from 2003 – 2007 have been revised from previous documents.

NS Operation not in service.

1 Service to Quincy was discontinued in 2013 and now operates between Hingham/Hull/Boston (Long Wharf)/Logan.

2 Rowes Wharf Water Shuttle operated from January to June only in 2003.

3 Operated from May to October only in 2003.

4 Long Wharf Boston Logan Water Shuttle operated from August to December in 2003.

5 Joint operation with City Water Taxi began on August 16, 2003.

Table H-4 Massachusetts Bay Transportation Authority (MBTA) Airport Station Passengers

Year	Entrances	Exits	Total Turnstile Count ¹	Percent Change
1990	N/A	N/A	2,854,317	-
1991	N/A	N/A	2,515,293	(11.9%)
1992	N/A	N/A	2,626,572	4.2%
1993	N/A	N/A	2,604,980	(0.8%)
1994	N/A	N/A	3,108,734	19.3%
1995	N/A	N/A	3,040,868	(2.2%)
1996	N/A	N/A	2,974,850	(2.2%)
1997 ²	N/A	N/A	2,774,268	(6.7%)
1998	N/A	N/A	2,850,367	2.7%
1999	N/A	N/A	2,974,045	4.3%
2000	N/A	N/A	3,019,086	1.5%
2001	N/A	N/A	2,896,638	(4.1%)
2002	N/A	N/A	2,670,594	(7.8%)
2003 ³	1,300,272	1,275,627	2,575,899	(3.6%)
2004	1,373,861	1,366,511	2,740,372	6.4%

Table H-4 Massachusetts Bay Transportation Authority (MBTA) Airport Station Passengers

Year	Entrances	Exits	Total Turnstile Count ¹	Percent Change
2005	N/A	N/A	N/A	N/A
2006	N/A	N/A	N/A	N/A
2007 ⁴	1,412,055	--	2,524,079	--
2008 ⁵	2,212,111	--	3,647,394	56.7%
2009 ⁵	2,329,370	--	3,750,549	5.3%
2010 ⁵	2,270,241	--	3,629,193	(2.5%)
2011	2,277,311	N/A	N/A	0.3%
2012	2,442,085	N/A	N/A	7.2%
2013	2,597,306	N/A	N/A	6.3%
2014	2,378,965	N/A	N/A	(8.4%) ⁶
2015	2,122,597	N/A	N/A	(10.8%) ⁶
2016	2,240,744	N/A	N/A	5.6%
2017	2,197,783	N/A	N/A	(1.9%)
2018	2,295,250	N/A	N/A	4.4%
2019	1,635,147	N/A	N/A	(28.8%)
2020	1,041,968	N/A	N/A	(36.3%)
2021	1,361,036	N/A	N/A	30.6%
2022	1,754,144	N/A	N/A	28.9%

Source: MBTA.

Notes: Total Turnstile count figures include both Logan Airport bound (turnstile exits) and non-Logan Airport bound (turnstile entrances) passengers.

N/A Data not available

1 As stated in the *Logan Airport 1999 ESPR*, Massport believes that ridership estimates through 2005 from the old Airport Station were understated because many travelers that were destined for the Airport with baggage had been observed to avoid the turnstiles and exit the old Airport Station via the wide gate (designed for handicapped access) that did not have the capability to count passengers.

2 Airport Station was closed on six weekends during September and October 1997 due to construction.

3 Airport Station was closed on eight weekend days during 2003.

4 Automated fare collection and new fare gates implemented beginning January 2007. Station access to Bremen Street Park opened June 2007. Exits are undercounted.

5 Exits are undercounted, as some exits occur through exit doors rather than turnstiles.

6 Due to the closure of Government Center Station in 2014, it is possible that passengers who would normally take the Blue Line to the Green Line switched to alternate modes for their trips.

Table H-5 Annual Taxi Dispatches (Tickets Sold)

Year	Total (yearly tickets sold)	Percent Change
1990	1,330,418	-
1991	1,208,611	(9.2%)
1992	1,266,033	4.8%
1993	1,336,603	5.6%
1994	1,409,505	5.5%
1995	1,499,869	6.4%
1996	1,721,093	14.7%
1997	1,827,244	6.2%
1998	1,888,281	3.3%
1999	1,955,895	3.6%
2000	2,140,724	9.4%
2001	1,789,736	(16.4%)
2002	1,679,508	(6.2%)
2003	1,562,076	(7.0%)
2004	1,713,696	9.7%
2005	1,769,876	3.3%
2006	1,857,609	5.0%
2007	1,925,817	3.7%
2008	1,749,730	(9.1%)
2009	1,630,333	(6.8%)
2010	1,829,961	12.1%
2011	1,937,743	6.0%
2012	2,022,239	4.4%
2013	2,131,371	5.0%
2014	2,237,793	5.0%
2015	2,302,059	2.9%
2016	2,420,391	5.1%
2017	1,975,174	(18.4%)
2018	1,697,831	(14.0%)
2019	1,573,627	(7.3%)
2020	316,351	(-79.9%)
2021	525,858	66.2%
2022	985,197	87.4%

Source: Massport

H.2 Parking Rates and Availability

Table H-6 On-Airport Commercial Parking Rates, 2010-2022 (Terminal Area Facilities¹)

Duration	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
0 to 30 minutes	\$3	\$3	\$3	\$3	\$3	\$3	\$3	N/A	N/A	N/A	N/A	N/A	N/A
31 minutes to 1 hour	\$6	\$6	\$6	\$6	\$6	\$6	\$6	N/A	N/A	N/A	N/A	N/A	N/A
0 minutes to 1 hour							N/A	\$7	\$7	\$8	\$8	\$8	\$8
1 to 1.5 hours	\$9	\$9	\$9	\$9	\$11	\$10	\$12	N/A	N/A	N/A	N/A	N/A	N/A
1.5 to 2 hours	\$12	\$12	\$12	\$12	\$14	\$14	\$17	N/A	N/A	N/A	N/A	N/A	N/A
1 to 2 hours							N/A	\$19	\$19	\$21	\$21	\$21	\$21
2 to 3 hours	\$15	\$15	\$17	\$17	\$19	\$19	\$22	\$24	\$24	\$26	\$26	\$26	\$26
3 to 4 hours	\$18	\$18	\$21	\$21	\$23	\$23	\$26	\$28	\$28	\$30	\$30	\$30	\$30
4 to 7 hours	\$22	\$22	\$25	\$25	\$27	\$27	\$30	\$32	\$32	\$34	\$34	\$34	\$34
7 to 24 hours (Daily)	\$24	\$24	\$27	\$27	\$29	\$29	\$32	\$35	\$35	\$38	\$38	\$38	\$38
Additional days 0 to 6 hours	\$12	\$12	\$14	\$14	\$15	\$15	\$16	\$18	\$18	\$19	\$19	\$19	\$19
Additional day(s) 6 to 24 hours	\$24	\$24	\$27	\$27	\$29	\$29	\$32	\$35	\$35	\$38	\$38	\$38	\$38

Source: Massport.

Notes:

N/A Data not available

1 Central/West Parking Garage, Terminal B Garage, Terminal E Lots

Table H-7 On-Airport Commercial Parking Rates, 2010-2022 (Economy Parking)

Duration	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Daily Rate	\$18	\$18	\$18	\$18	\$20	\$20	\$23	\$26	\$26	\$29	\$29	\$29	\$29
Additional days 0 to 6 hours	\$9	\$9	\$9	\$9	\$10	\$10	\$12	\$13	\$13	\$15	\$15	\$15	\$15
Additional days 6 to 24 hours	\$18	\$18	\$18	\$18	\$20	\$20	\$23	\$26	\$26	\$29	\$29	\$29	\$29
Weekly Rate (6-7 days)	\$108	\$108	\$108	\$108	\$120	\$120	\$138	N/A	N/A	N/A	N/A	N/A	N/A

Source: Massport.

Notes:

N/A Data not available

Table H-8 Logan Airport Employee Parking Supply – Number of Spaces

Location	Mar 2014	Sept 2014	Mar 2015	Sept 2015	Mar 2016	Sept 2016	Mar 2017	Oct 2017	Mar 2018	Oct 2018	Mar 2019	Oct 2019	Mar 2020	Sept 2020	Mar 2021	Sept 2021	Mar 2022	Sept 2022
Terminal Area	857	868	868	865	865	865	865	865	865	865	865	901	900	906	900	894	894	894
North Service Area	883	883	881	876	876	876	876	876	876	876	876	833	812	812	812	663	701	701
Southwest Service Area	4	4	14	16	16	16	16	16	16	16	16	16	16	16	12	12	12	12
South Service Area	681	681	674	665	665	665	665	665	665	665	665	695	702	702	702	649	649	649
Airside (Fire/Rescue)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total spaces in service	2,425	2,436	2,437	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,445	2,430	2,436	2,426	2,218	2,256	2,256
Total spaces out of service	248	237	236	251	26	26	26	26	26	26	26	3	18	12	22	230	192	192
Total employee spaces	2,673	2,673	2,673	2,673	2,448	2,448	2,448	2,448	2,448	2,448	2,448	2,448	2,448	2,448	2,448	2,448	2,448	2,448

Source: Logan Airport Parking Space Inventory submitted to Massachusetts Department of Environmental Protection (MassDEP), March and September 2014-2022 (September 2017 was revised in October 2017).

Table H-9 Logan Airport Commercial Parking Supply – Number of Spaces

Location	Mar 2014	Sept 2014	Mar 2015	Sept 2015	Mar 2016	Sept 2016	Mar 2017	Oct 2017	Mar 2018	Sept 2018	Mar 2019	Sept 2019	Mar 2020	Sept 2020	Mar 2021	Sept 2021	Mar 2022	Sept 2022
Terminal Area																		
Central Garage and West Garage	10,267	10,267	10,267	10,340	11,954	11,954	11,954	11,954	11,954	11,954	11,954	10,964	11,038	11,038	9,053	9,108	11,093	11,093
Terminal B Garage	2,254	2,254	2,254	2,201	2,212	2,212	2,212	2,212	2,212	2,212	2,212	2,212	2,212	227	0	2,212	2,212	2,212
Terminal E Lot 1	275	275	243	237	237	237	237	237	237	237	237	237	237	237	0	0	0	0
Terminal E Lot 2	248	248	248	249	249	249	249	249	249	249	249	203	0	203	0	0	0	0
Terminal E Lot 3 (Gulf Lot)	219	219	219	217	217	217	217	217	217	217	217	93	93	93	0	0	0	0
SigN/Ature (General Aviation)	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
Logan Airport Hilton	235	235	35	35	235	235	235	235	235	235	235	63	106	110	110	110	110	110
North Service Area																		
Economy Garage	2,809	2,809	2,809	2,864	2,864	2,864	2,864	2,864	2,864	2,864	2,864	2,864	2,864	2,864	0	0	2,864	2,864
Overflow Green Lot (Wood Island)	0	0	235	242	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Service Area																		
Harborside Hyatt Conference Center and Hotel	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270
Overflow Blue Lot (Harborside Dr.)	0	0	315	339	367	367	367	367	367	0	0	0	0	0	0	0	0	0

Table H-9 Logan Airport Commercial Parking Supply – Number of Spaces

Location	Mar 2014	Sept 2014	Mar 2015	Sept 2015	Mar 2016	Sept 2016	Mar 2017	Oct 2017	Mar 2018	Sept 2018	Mar 2019	Sept 2019	Mar 2020	Sept 2020	Mar 2021	Sept 2021	Mar 2022	Sept 2022
Southwest Service Area																		
Overflow Red Lot (Tomahawk Dr.)	0	0	282	282	0	0	0	0	0	0	0	100	100	100	0	0	0	0
Massport In-Service Parking Supply (lined spaces)	16,072	16,072	16,872	16,971	18,100	18,100	18,100	18,100	18,100	18,100	18,100	18,100	16,544	16,444	16,679	16,679	16,641	16,641
Total spaces in service ¹	16,612	16,612	17,212	17,311	18,640	18,640	18,640	18,640	18,640	18,273	18,273	17,041	16,955	15,177	9,468	11,735	16,584	16,584
Total spaces out of service	1,803	1,803	1,203	1,104	-	-	-	5,000	5,000	5,367	5,367	6,599	6,685	8,463	14,172	11,905	7,056	7,056
Total commercial spaces	18,415	18,415	18,415	18,415	18,640	18,640	18,640	23,640	23,640	23,640	23,640	23,640	23,640	23,640	23,640	23,640	23,640	23,640

Source: Logan Airport Parking Space Inventory submitted to MassDEP, March and September 2014 - 2021 (September 2017 was revised in October 2017).

1 Total spaces in service includes Signature (General Aviation), Logan Airport Hilton, Harborside Hyatt Conference Center and Hotel, and overflow lots (Overflow Green Lot, Overflow Red Lot, etc.) from previous years

H.3 Roadways and Vehicle Miles Traveled

Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
1	344	7	30	1,212	1,180	8,300	18,840	79	77	541	1,228
2	496	7	32	716	642	4,514	10,246	67	60	424	962
3	1,347	14	14	461	724	5,092	11,559	118	185	1,299	2,949
4	1,166	18	18	801	1,141	8,027	18,221	177	252	1,773	4,024
5	378	18	18	1,262	1,865	13,120	29,780	90	134	940	2,133
6	441	13	13	582	712	5,010	11,372	49	59	419	950
7	896	29	25	682	1,147	8,069	18,315	116	195	1,370	3,109
8	644	5	31	1,468	1,405	9,887	22,443	179	172	1,207	2,739
9	1,214	5	22	735	860	6,051	13,736	169	198	1,391	3,158
10	1,303	27	30	713	570	4,009	9,101	176	141	990	2,246
11	421	30	32	453	414	2,910	6,605	36	33	232	527
12	236	26	27	138	221	1,554	3,528	6	10	69	157
13	1,311	22	23	138	231	1,629	3,697	34	57	404	918
14	750	5	31	1,928	1,821	12,814	29,086	274	259	1,820	4,132
15	441	30	27	1,094	1,643	11,557	26,233	91	137	965	2,190
16	1,724	5	22	-	11	74	169	-	4	24	55
17	644	6	6	591	635	4,464	10,133	72	77	544	1,235
18	354	28	30	714	549	3,861	8,763	48	37	259	588
19	687	33	17	2	19	132	300	0	2	17	39
20	94	16	16	386	472	3,323	7,544	7	8	59	135
21	877	6	6	14	21	149	338	2	3	25	56
22	79	13	18	14	21	149	338	0	0	2	5
23	81	5	28	-	11	74	169	-	0	1	3
24	79	5	5	15	21	149	338	0	0	2	5

Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
25	87	9	9	16	20	141	319	0	0	2	5
26	209	10	9	16	20	141	319	1	1	6	13
27	187	5	5	15	21	149	338	1	1	5	12
28	124	5	5	31	41	289	657	1	1	7	15
29	226	25	26	154	195	1,372	3,115	7	8	59	133
30	1,070	5	5	170	476	3,348	7,600	34	96	678	1,539
31	385	32	32	85	114	802	1,820	6	8	58	133
32	516	31	32	69	80	562	1,276	7	8	55	125
34	181	5	31	44	340	2,389	5,423	2	12	82	186
35	248	31	32	113	419	2,951	6,699	5	20	139	314
36	89	5	31	45	338	2,381	5,404	1	6	40	91
37	102	31	32	69	80	562	1,276	1	2	11	25
38	110	32	31	126	140	984	2,233	3	3	20	46
39	219	29	30	28	34	240	544	1	1	10	23
40	232	8	8	40	45	314	713	2	2	14	31
41	177	33	31	9	7	50	113	0	0	2	4
42	205	29	31	12	11	74	169	0	0	3	7
43	597	31	32	29	34	240	544	3	4	27	62
44	587	32	31	77	88	620	1,407	9	10	69	156
45	96	33	33	73	85	595	1,351	1	2	11	25
46	112	33	33	8	4	25	56	0	0	1	1
47	859	32	33	12	8	58	131	2	1	9	21
48	94	15	16	90	163	1,149	2,608	2	3	20	46
49	420	26	23	102	172	1,207	2,740	8	14	96	218
50	353	32	33	5	6	41	94	0	0	3	6
51	717	26	23	107	177	1,248	2,834	15	24	169	385
52	403	33	33	36	190	1,339	3,040	3	15	102	232

Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
53	321	34	33	6	7	50	113	0	0	3	7
54	612	29	28	42	197	1,389	3,153	5	23	161	365
55	194	26	23	383	526	3,704	8,407	14	19	136	308
56	101	30	27	137	161	1,133	2,571	3	3	22	49
57	97	33	18	149	241	1,695	3,847	3	4	31	71
58	103	5	5	-	-	-	-	-	-	-	-
59	105	5	5	-	-	-	-	-	-	-	-
60	331	26	23	449	671	4,720	10,715	28	42	295	671
61	224	9	6	35	66	463	1,051	1	3	20	44
62	218	17	18	139	149	1,050	2,383	6	6	43	99
63	242	22	23	-	5	33	75	-	0	2	3
64	232	5	5	22	56	397	901	1	2	17	40
65	593	26	23	553	753	5,299	12,028	62	85	595	1,352
66	465	5	5	7	-	-	-	1	-	-	-
67	483	5	5	5	-	-	-	0	-	-	-
68	487	5	5	-	-	-	-	-	-	-	-
69	361	5	5	-	-	-	-	-	-	-	-
90	582	9	8	317	548	3,852	8,744	35	60	425	964
103	85	19	16	15	18	124	281	0	0	2	5
104	85	5	5	-	-	-	-	-	-	-	-
105	95	5	5	-	-	-	-	-	-	-	-
106	95	5	5	-	-	-	-	-	-	-	-
107	260	21	20	172	143	1,009	2,289	8	7	50	113
108	389	30	31	73	81	570	1,295	5	6	42	95
109	114	17	17	131	231	1,629	3,697	3	5	35	80
110	169	5	8	131	231	1,629	3,697	4	7	52	118
111	261	5	5	-	-	-	-	-	-	-	-
112	237	5	28	131	231	1,629	3,697	6	10	73	166

Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
113	565	15	17	36	42	298	676	4	5	32	72
114	609	32	32	24	27	190	432	3	3	22	50
115	451	28	27	321	376	2,645	6,005	27	32	226	513
116	399	23	22	38	47	331	751	3	4	25	57
117	283	23	22	49	54	380	863	3	3	20	46
118	295	28	27	322	369	2,596	5,892	18	21	145	329
119	240	13	12	235	283	1,992	4,522	11	13	91	206
120	365	33	32	52	65	455	1,032	4	5	31	71
121	356	17	15	90	98	686	1,557	6	7	46	105
122	486	18	18	71	79	554	1,257	7	7	51	116
123	486	20	22	137	110	777	1,764	13	10	71	162
124	280	33	33	47	38	265	600	2	2	14	32
125	280	30	23	70	55	389	882	4	3	21	47
126	631	21	20	173	143	1,009	2,289	21	17	121	274
127	652	30	31	73	81	570	1,295	9	10	70	160
128	257	19	23	68	56	397	901	3	3	19	44
129	257	16	18	23	41	289	657	1	2	14	32
130	422	5	5	-	-	-	-	-	-	-	-
131	493	14	14	13	11	74	169	1	1	7	16
132	361	20	20	200	170	1,199	2,721	14	12	82	186
133	236	30	26	67	81	570	1,295	3	4	25	58
134	1,521	22	22	323	402	2,827	6,418	93	116	814	1,848
135	1,542	30	26	48	71	496	1,126	14	21	145	329
136	384	5	5	-	-	-	-	-	-	-	-
137	354	5	5	6	-	-	-	0	-	-	-
138	225	5	5	6	-	-	-	0	-	-	-

Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
139	96	5	5	6	-	-	-	0	-	-	-
140	295	30	26	48	71	496	1,126	3	4	28	63
142	257	27	24	269	291	2,050	4,654	13	14	100	226
144	518	11	13	35	156	1,100	2,496	3	15	108	245
145	195	11	13	80	160	1,124	2,552	3	6	42	94
146	463	11	13	79	159	1,116	2,533	7	14	98	222
147	230	11	13	53	107	752	1,708	2	5	33	74
148	794	11	13	53	107	752	1,708	8	16	113	257
149	661	5	5	-	-	-	-	-	-	-	-
150	281	5	5	-	-	-	-	-	-	-	-
151	360	5	5	-	-	-	-	-	-	-	-
152	88	7	6	-	-	-	-	-	-	-	-
153	66	24	24	-	-	-	-	-	-	-	-
154	173	5	5	-	-	-	-	-	-	-	-
155	258	17	17	30	170	1,199	2,721	1	8	59	133
156	645	15	15	9	105	736	1,670	1	13	90	204
157	218	13	14	21	66	463	1,051	1	3	19	43
158	185	6	5	33	240	1,686	3,828	1	8	59	134
159	354	14	15	54	304	2,141	4,860	4	20	144	326
160	470	5	5	-	-	-	-	-	-	-	-
161	94	5	5	9	105	736	1,670	0	2	13	30
162	50	5	5	-	-	-	-	-	-	-	-
163	66	5	5	9	103	727	1,651	0	1	9	21
164	367	33	33	-	-	-	-	-	-	-	-
165	124	26	26	-	-	-	-	-	-	-	-
166	84	26	26	-	-	-	-	-	-	-	-

Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
167	230	5	5	-	-	-	-	-	-	-	-
168	380	15	15	-	-	-	-	-	-	-	-
169	293	33	33	93	486	3,423	7,769	5	27	190	432
170	205	33	33	-	-	-	-	-	-	-	-
171	78	5	5	-	-	-	-	-	-	-	-
172	180	16	17	-	-	-	-	-	-	-	-
173	48	5	5	-	-	-	-	-	-	-	-
174	502	12	12	43	235	1,653	3,753	4	22	157	357
175	640	12	12	51	253	1,777	4,034	6	31	215	489
176	319	31	29	326	994	6,994	15,875	20	60	422	958
177	286	12	12	326	994	6,994	15,875	18	54	379	860
178	353	33	32	283	760	5,349	12,141	19	51	358	813
179	348	12	12	899	596	4,191	9,514	59	39	276	626
180	366	26	25	525	895	6,299	14,299	36	62	437	991
181	453	6	5	108	217	1,529	3,472	9	19	131	298
182	119	6	5	122	235	1,653	3,753	3	5	37	84
183	50	6	5	108	217	1,529	3,472	1	2	14	33
184	54	6	5	75	103	727	1,651	1	1	7	17
185	62	6	5	75	103	727	1,651	1	1	9	19
186	39	6	5	75	143	1,009	2,289	1	1	7	17
187	338	9	8	14	18	124	281	1	1	8	18
188	58	5	5	-	-	-	-	-	-	-	-
189	143	5	5	-	-	-	-	-	-	-	-
190	148	13	13	14	18	124	281	0	1	3	8
191	120	5	5	-	-	-	-	-	-	-	-
192	540	5	5	-	40	281	638	-	4	29	65

Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
193	138	15	14	50	249	1,753	3,978	1	7	46	104
194	932	17	17	44	224	1,579	3,584	8	40	279	632
195	79	26	28	33	114	802	1,820	1	2	12	27
196	49	26	28	45	269	1,893	4,297	0	2	17	40
197	83	31	31	44	269	1,893	4,297	1	4	30	68
198	692	31	31	44	256	1,802	4,091	6	34	236	536
199	70	5	9	28	159	1,116	2,533	0	2	15	34
200	158	5	5	-	-	-	-	-	-	-	-
201	160	5	5	-	-	-	-	-	-	-	-
202	335	23	23	-	-	-	-	-	-	-	-
203	30	5	5	-	-	-	-	-	-	-	-
204	2,022	5	5	75	143	1,009	2,289	29	55	386	876
205	71	13	15	34	214	1,505	3,415	0	3	20	46
206	135	13	15	34	213	1,496	3,396	1	5	38	87
207	859	13	13	298	704	4,952	11,240	48	115	805	1,828
208	284	9	9	287	499	3,513	7,975	15	27	189	429
209	80	18	18	-	-	-	-	-	-	-	-
210	71	11	11	-	-	-	-	-	-	-	-
211	390	26	25	765	1,384	9,739	22,105	56	102	719	1,632
212	402	26	25	765	1,383	9,730	22,086	58	105	741	1,682
213	1,344	5	5	1,093	1,641	11,549	26,215	278	418	2,941	6,675
214	449	13	16	1,194	1,302	9,160	20,792	101	111	779	1,767
215	1,110	13	13	21	80	562	1,276	4	17	118	268
216	1,211	12	13	562	631	4,439	10,077	129	145	1,018	2,312
217	1,050	13	13	114	142	1,000	2,271	23	28	199	452
218	581	29	25	466	803	5,646	12,816	51	88	621	1,410

Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
219	1,063	12	13	462	436	3,067	6,962	93	88	618	1,402
220	415	13	16	517	531	3,737	8,482	41	42	294	667
221	39	24	27	53	96	678	1,539	0	1	5	11
222	1,920	24	27	-	-	-	-	-	-	-	-
223	1,564	19	21	925	1,241	8,730	19,816	274	368	2,586	5,869
224	377	30	31	364	793	5,580	12,666	26	57	399	905
225	551	30	31	138	250	1,761	3,997	14	26	184	417
226	788	24	30	175	280	1,968	4,466	26	42	294	667
227	1,303	24	30	293	645	4,539	10,302	72	159	1,120	2,542
228	580	8	30	1,267	1,215	8,548	19,403	139	134	939	2,133
229	1,653	6	30	662	729	5,126	11,634	207	228	1,605	3,642
230	2,058	30	31	605	486	3,423	7,769	236	189	1,334	3,028
231	1,300	5	21	305	682	4,795	10,884	75	168	1,180	2,679
232	736	5	26	951	1,381	9,714	22,049	133	192	1,354	3,072
233	488	29	30	606	492	3,464	7,863	56	45	320	727
234	449	31	31	288	315	2,216	5,029	24	27	188	428
235	310	16	15	226	235	1,653	3,753	13	14	97	220
236	310	12	13	62	80	562	1,276	4	5	33	75
237	105	6	7	138	250	1,761	3,997	3	5	35	80
238	697	28	28	-	-	-	-	-	-	-	-
239	186	20	19	54	125	876	1,989	2	4	31	70
240	145	25	25	49	195	1,372	3,115	1	5	38	86
241	578	25	25	102	320	2,249	5,104	11	35	246	559
242	125	22	22	-	-	-	-	-	-	-	-
243	564	22	22	-	-	-	-	-	-	-	-
244	88	22	22	-	-	-	-	-	-	-	-

Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
245	48	13	13	-	-	-	-	-	-	-	-
246	175	29	28	88	280	1,968	4,466	3	9	65	148
247	65	8	8	64	125	876	1,989	1	2	11	25
248	39	29	28	153	404	2,844	6,455	1	3	21	47
249	128	29	28	153	404	2,844	6,455	4	10	69	156
250	484	5	5	-	-	-	-	-	-	-	-
251	498	5	5	-	-	-	-	-	-	-	-
252	308	5	5	-	-	-	-	-	-	-	-
253	54	5	5	-	-	-	-	-	-	-	-
254	51	5	5	-	-	-	-	-	-	-	-
255	290	28	28	64	125	876	1,989	4	7	48	109
256	377	28	28	102	148	1,042	2,364	7	11	74	169
257	215	28	28	64	125	876	1,989	3	5	36	81
258	321	25	25	15	40	281	638	1	2	17	39
259	203	25	25	28	45	314	713	1	2	12	27
260	362	25	25	29	34	240	544	2	2	16	37
261	219	23	23	23	28	198	450	1	1	8	19
262	218	8	8	7	6	41	94	0	0	2	4
263	69	26	28	29	35	248	563	0	0	3	7
264	69	26	27	-	-	-	-	-	-	-	-
265	2,458	29	30	92	62	438	995	43	29	204	463
266	752	29	30	240	404	2,844	6,455	34	58	405	919
267	1,323	29	30	324	504	3,547	8,050	81	126	889	2,016
268	1,252	29	31	79	217	1,529	3,472	19	51	362	823
269	302	14	14	28	27	190	432	2	2	11	25
270	1,005	21	21	109	289	2,034	4,616	21	55	387	879

Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
271	954	16	16	387	472	3,323	7,544	70	85	600	1,363
272	656	27	26	529	699	4,919	11,165	66	87	611	1,387
273	485	14	10	548	750	5,274	11,972	50	69	485	1,100
274	1,244	23	24	394	387	2,720	6,174	93	91	641	1,455
275	419	19	19	239	266	1,868	4,241	19	21	148	337
276	649	23	24	384	372	2,621	5,949	47	46	322	731
277	2,473	14	15	99	58	405	919	46	27	190	431
278	573	32	32	281	360	2,530	5,742	31	39	275	623
279	458	26	22	243	411	2,893	6,568	21	36	251	569
280	295	25	23	219	315	2,216	5,029	12	18	124	281
281	440	22	22	175	227	1,596	3,622	15	19	133	302
282	76	22	22	121	103	727	1,651	2	1	11	24
283	697	22	22	241	343	2,414	5,479	32	45	318	723
284	690	16	15	167	411	2,893	6,568	22	54	378	858
285	91	16	15	199	307	2,158	4,898	3	5	37	84
286	464	16	15	425	541	3,803	8,632	37	48	334	759
287	229	19	18	397	516	3,629	8,238	17	22	158	358
288	500	8	7	397	516	3,629	8,238	38	49	343	779
289	738	5	27	1,884	2,929	20,610	46,781	263	409	2,881	6,539
290	488	5	26	1,722	2,573	18,105	41,095	159	238	1,672	3,796
291	494	27	31	432	888	6,250	14,186	40	83	585	1,328
292	689	5	28	1,020	1,457	10,251	23,269	133	190	1,337	3,035
293	325	29	30	1,314	1,073	7,548	17,132	81	66	465	1,055
294	396	20	20	315	224	1,579	3,584	24	17	119	269
295	1,017	30	31	997	848	5,969	13,548	192	163	1,150	2,610
296	162	13	11	127	356	2,505	5,686	4	11	77	175

Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
297	140	13	11	127	356	2,505	5,686	3	9	66	151
298	1,119	12	13	316	226	1,587	3,603	67	48	336	763
299	1,036	23	21	16	270	1,901	4,316	3	53	373	847
300	518	20	20	24	86	603	1,370	2	8	59	134
301	749	5	5	86	168	1,182	2,683	12	24	168	381
302	652	13	13	316	223	1,571	3,565	39	28	194	440
303	547	5	5	20	220	1,546	3,509	2	23	160	363
304	406	5	5	38	36	256	582	3	3	20	45
305	442	5	5	6	21	149	338	1	2	12	28
306	207	11	11	44	56	397	901	2	2	16	35
307	70	6	5	64	276	1,943	4,410	1	4	26	58
308	319	5	5	-	-	-	-	-	-	-	-
309	281	5	5	48	68	479	1,088	3	4	25	58
310	879	33	31	45	246	1,728	3,922	7	41	288	653
311	211	33	31	47	248	1,744	3,959	2	10	70	158
312	549	33	31	45	246	1,728	3,922	5	26	180	408
313	717	12	16	427	558	3,927	8,913	58	76	533	1,210
314	879	27	27	45	143	1,009	2,289	7	24	168	381
315	215	21	21	398	966	6,795	15,425	16	39	277	628
316	543	15	15	-	-	-	-	-	-	-	-
317	180	14	13	277	530	3,728	8,463	9	18	127	289
318	221	9	7	646	585	4,117	9,345	27	24	172	391
319	215	8	5	206	479	3,373	7,656	8	20	137	312
320	552	12	12	32	4	25	56	3	0	3	6
321	628	12	12	532	286	2,009	4,560	63	34	239	543
322	209	16	13	144	173	1,215	2,758	6	7	48	109

Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
323	58	16	8	144	173	1,215	2,758	2	2	13	30
324	387	12	12	-	-	-	-	-	-	-	-
325	406	5	7	87	35	248	563	7	3	19	43
326	231	6	6	132	357	2,513	5,705	6	16	110	250
327	463	32	29	63	114	802	1,820	6	10	70	160
328	79	18	18	-	-	-	-	-	-	-	-
329	103	18	18	-	-	-	-	-	-	-	-
330	323	13	13	-	-	-	-	-	-	-	-
331	179	12	12	-	-	-	-	-	-	-	-
332	993	5	8	4	1	8	19	1	0	2	4
333	384	10	10	-	-	-	-	-	-	-	-
334	366	21	26	565	284	2,001	4,541	39	20	139	314
335	583	31	31	-	-	-	-	-	-	-	-
336	453	32	31	45	246	1,728	3,922	4	21	148	336
337	94	21	21	-	-	-	-	-	-	-	-
338	671	5	5	-	-	-	-	-	-	-	-
339	311	14	15	145	471	3,315	7,525	9	28	195	443
340	273	20	20	-	-	-	-	-	-	-	-
341	66	16	16	-	-	-	-	-	-	-	-
342	48	22	22	-	-	-	-	-	-	-	-
343	370	13	14	19	53	372	844	1	4	26	59
344	513	11	10	97	115	810	1,839	9	11	79	179
345	25	5	5	-	-	-	-	-	-	-	-
346	121	5	5	-	-	-	-	-	-	-	-
347	303	5	5	18	53	372	844	1	3	21	48
348	146	23	23	-	-	-	-	-	-	-	-

Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
349	67	10	13	359	290	2,042	4,635	5	4	26	59
350	446	5	5	73	80	562	1,276	6	7	47	108
351	335	9	6	57	113	794	1,801	4	7	50	114
352	430	5	5	114	72	504	1,145	9	6	41	93
353	360	5	5	174	142	1,000	2,271	12	10	68	155
354	50	6	5	112	166	1,166	2,646	1	2	11	25
355	88	5	8	73	81	570	1,295	1	1	10	22
356	113	5	8	949	846	5,952	13,511	20	18	127	289
358	463	28	29	99	293	2,058	4,672	9	26	180	409
359	229	12	12	13	11	74	169	1	0	3	7
360	245	13	13	15	11	74	169	1	1	3	8
361	248	16	17	40	47	331	751	2	2	16	35
362	199	8	9	39	43	306	694	1	2	12	26
363	230	19	19	292	323	2,273	5,160	13	14	99	225
364	256	17	13	153	347	2,439	5,536	7	17	118	269
365	201	23	23	18	21	149	338	1	1	6	13
366	201	10	10	88	103	727	1,651	3	4	28	63
367	752	12	13	677	772	5,431	12,329	96	110	773	1,755
368	410	12	13	565	286	2,009	4,560	44	22	156	355
369	307	6	10	549	291	2,050	4,654	32	17	119	271
370	96	14	13	281	750	5,274	11,972	5	14	96	217
371	712	22	12	398	964	6,779	15,387	54	130	914	2,074
372	430	27	24	291	442	3,108	7,056	24	36	253	574
373	2,331	30	26	68	216	1,521	3,453	30	95	672	1,524
374	301	5	5	78	222	1,562	3,547	4	13	89	202
375	269	5	5	95	114	802	1,820	5	6	41	93

Table H-10 2022 Existing Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
376	751	7	7	111	391	2,753	6,249	16	56	391	888
377	835	7	7	79	154	1,083	2,458	12	24	171	389
378	758	5	5	267	394	2,769	6,286	38	57	398	903
379	313	12	12	651	780	5,489	12,460	39	46	325	738
380	671	5	5	258	228	1,604	3,640	33	29	204	463
LOGAN AIRPORT VMT								2,904	3,394	24,072	52,794

Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
1	344		22	1,163	1,429	10,236	23,209	76	93	667	1,512
2	496		27	692	850	6,089	13,805	65	80	572	1,297
3	1,347		13	597	734	5,258	11,921	152	187	1,341	3,041
4	1,166		18	1,061	1,304	9,340	21,179	234	288	2,062	4,677
5	378		17	1,658	2,038	14,598	33,100	119	146	1,046	2,371
6	441		12	606	745	5,336	12,100	51	62	446	1,011
7	896		20	1,052	1,293	9,262	21,000	179	220	1,572	3,565
8	644		24	1,558	1,915	13,717	31,102	190	234	1,674	3,796
9	1,214		19	662	813	5,823	13,204	152	187	1,339	3,035
10	1,303		21	1,006	1,237	8,861	20,091	248	305	2,187	4,959
11	421		25	294	361	2,586	5,863	23	29	206	468
12	236		26	146	179	1,282	2,907	7	8	57	130
13	1,311		20	167	205	1,468	3,329	41	51	364	826
14	750		22	1,854	2,279	16,324	37,014	263	324	2,319	5,258
15	441		19	1,273	1,564	11,203	25,402	106	131	935	2,121
16	1,724		21	21	26	186	422	7	8	61	138
17	644		5	439	540	3,868	8,770	54	66	471	1,069
18	354		20	893	1,097	7,858	17,817	60	74	527	1,195
19	687		17	120	147	1,053	2,387	16	19	137	310
20	94		25	378	464	3,324	7,536	7	8	59	134
21	877		5	24	30	215	487	4	5	36	81
22	79		18	24	30	215	487	0	0	3	7
23	81		17	16	20	143	325	0	0	2	5
24	79		5	20	24	172	390	0	0	3	6
25	87		8	28	35	251	568	0	1	4	9
26	209		6	28	35	251	568	1	1	10	23

Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
27	187		5	24	29	208	471	1	1	7	17
28	124		5	49	60	430	974	1	1	10	23
29	226		21	231	284	2,034	4,613	10	12	87	197
30	1,070		5	338	416	2,980	6,756	68	84	604	1,369
31	385		22	175	215	1,540	3,492	13	16	112	254
32	516		5	55	68	487	1,104	5	7	48	108
34	181		5	234	288	2,063	4,678	8	10	71	160
35	248		5	290	356	2,550	5,782	14	17	120	271
36	89		5	255	313	2,242	5,084	4	5	38	86
37	102		5	34	42	301	682	1	1	6	13
38	110		5	82	101	723	1,640	2	2	15	34
39	219		23	18	22	158	357	1	1	7	15
40	232		8	24	30	215	487	1	1	9	21
41	177		19	6	7	50	114	0	0	2	4
42	205		28	7	8	57	130	0	0	2	5
43	597		5	10	12	86	195	1	1	10	22
44	587		5	51	63	451	1,023	6	7	50	114
45	96		32	47	58	415	942	1	1	8	17
46	112		14	13	16	115	260	0	0	2	6
47	859		30	17	21	150	341	3	3	24	55
48	94		16	234	288	2,063	4,678	4	5	37	83
49	420		16	251	308	2,206	5,002	20	25	176	398
50	353		33	3	4	29	65	0	0	2	4
51	717		16	253	311	2,228	5,051	34	42	302	686
52	403		20	235	289	2,070	4,694	18	22	158	358
53	321		29	3	4	29	65	0	0	2	4

Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
54	612		9	234	287	2,056	4,661	27	33	238	540
55	194		16	461	567	4,061	9,209	17	21	149	338
56	101		-	-	-	-	-	-	-	-	-
57	97		13	43	53	380	861	1	1	7	16
58	103		-	-	-	-	-	-	-	-	-
59	105		-	-	-	-	-	-	-	-	-
60	331		16	552	679	4,864	11,028	35	43	304	690
61	224		5	112	138	988	2,241	5	6	42	95
62	218		20	124	152	1,089	2,469	5	6	45	102
63	242		23	12	15	107	244	1	1	5	11
64	232		5	35	43	308	698	2	2	14	31
65	593		16	564	693	4,964	11,255	63	78	558	1,265
66	465		23	6	7	50	114	1	1	4	10
67	483		21	4	5	36	81	0	0	3	7
68	487		-	-	-	-	-	-	-	-	-
69	361		-	-	-	-	-	-	-	-	-
90	582		5	423	520	3,725	8,446	47	57	411	931
103	85		30	9	11	79	179	0	0	1	3
104	85		-	-	-	-	-	-	-	-	-
105	95		-	-	-	-	-	-	-	-	-
106	95		-	-	-	-	-	-	-	-	-
107	260		18	254	312	2,235	5,067	13	15	110	250
108	389		20	182	224	1,605	3,638	13	17	118	268
109	114		16	151	186	1,332	3,021	3	4	29	65
110	169		17	152	187	1,339	3,037	5	6	43	97
111	261		-	-	-	-	-	-	-	-	-

Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
112	237		16	151	186	1,332	3,021	7	8	60	136
113	565		10	110	135	967	2,193	12	14	104	235
114	609		29	108	133	953	2,160	12	15	110	249
115	451		19	242	297	2,127	4,824	21	25	182	412
116	399		18	26	32	229	520	2	2	17	39
117	283		18	121	149	1,067	2,420	6	8	57	130
118	295		19	335	412	2,951	6,691	19	23	165	374
119	240		13	155	190	1,361	3,086	7	9	62	140
120	365		25	133	164	1,175	2,664	9	11	81	184
121	356		16	192	236	1,690	3,833	13	16	114	259
122	486		15	134	165	1,182	2,680	12	15	109	247
123	486		17	152	187	1,339	3,037	14	17	123	279
124	280		28	80	98	702	1,592	4	5	37	84
125	280		21	88	108	774	1,754	5	6	41	93
126	631		18	255	313	2,242	5,084	30	37	268	608
127	652		20	182	224	1,605	3,638	22	28	198	449
128	257		28	64	79	566	1,283	3	4	28	62
129	257		18	54	66	473	1,072	3	3	23	52
130	422		-	-	-	-	-	-	-	-	-
131	493		24	11	13	93	211	1	1	9	20
132	361		21	273	335	2,400	5,441	19	23	164	372
133	236		27	167	205	1,468	3,329	7	9	66	149
134	1,521		24	421	517	3,703	8,397	121	149	1,066	2,418
135	1,542		27	164	201	1,440	3,265	48	59	421	954
136	384		-	-	-	-	-	-	-	-	-
137	354		17	11	14	100	227	1	1	7	15

Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
138	225		13	15	19	136	309	1	1	6	13
139	96		14	15	19	136	309	0	0	2	6
140	295		27	164	202	1,447	3,281	9	11	81	183
142	257		25	415	510	3,653	8,283	20	25	178	403
144	518		12	336	413	2,958	6,708	33	40	290	658
145	195		12	155	191	1,368	3,102	6	7	51	115
146	463		12	156	192	1,375	3,118	14	17	121	273
147	230		12	6	7	50	114	0	0	2	5
148	834		18	827	1,016	7,278	16,501	131	161	1,150	2,607
149	661		-	-	-	-	-	-	-	-	-
150	281		-	-	-	-	-	-	-	-	-
151	360		-	-	-	-	-	-	-	-	-
152	88		-	-	-	-	-	-	-	-	-
153	66		-	-	-	-	-	-	-	-	-
154	173		5	-	-	-	-	-	-	-	-
155	258		14	310	381	2,729	6,188	15	19	134	303
156	645		15	186	229	1,640	3,719	23	28	200	454
157	218		11	124	152	1,089	2,469	5	6	45	102
158	185		11	424	521	3,732	8,462	15	18	131	297
159	354		10	548	673	4,821	10,930	37	45	323	733
160	470		-	-	-	-	-	-	-	-	-
161	94		5	186	228	1,633	3,703	3	4	29	66
162	50		-	-	-	-	-	-	-	-	-
163	66		5	186	228	1,633	3,703	2	3	21	47
164	91		28	2	3	21	49	0	0	0	1
165	684		28	227	279	1,998	4,531	29	36	259	587

Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
166	52		13	32	39	279	633	0	0	3	6
167	89		9	48	59	423	958	1	1	7	16
168	380		5	9	11	79	179	1	1	6	13
169	293		13	9	11	79	179	1	1	4	10
170	425		13	539	663	4,749	10,768	43	53	382	866
171	78		-	-	-	-	-	-	-	-	-
172	180		-	-	-	-	-	-	-	-	-
173	483		32	508	624	4,470	10,135	46	57	409	926
174	358		27	835	1,026	7,349	16,664	57	70	499	1,130
175	111		32	359	441	3,159	7,162	8	9	67	151
176	371		10	432	531	3,804	8,624	30	37	267	606
177	626		28	382	470	3,367	7,633	45	56	399	905
178	405		6	433	532	3,811	8,640	33	41	293	663
179	348		32	382	470	3,367	7,633	25	31	222	503
180	366		7	861	1,058	7,578	17,183	60	73	525	1,191
181	985		5	123	151	1,082	2,452	23	28	202	457
182	748		5	65	80	573	1,299	9	11	81	184
183	737		5	90	110	788	1,787	13	15	110	249
184	101		5	51	63	451	1,023	1	1	9	20
185	62		5	71	87	623	1,413	1	1	7	17
186	454		5	20	24	172	390	2	2	15	34
187	254		13	188	231	1,655	3,752	9	11	80	180
188	169		11	47	58	415	942	2	2	13	30
189	427		5	47	58	415	942	4	5	34	76
190	538		12	227	279	1,998	4,531	23	28	203	461
191	708		5	269	331	2,371	5,376	36	44	318	721

Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
192	232		5	45	55	394	893	2	2	17	39
193	305		12	284	349	2,500	5,668	16	20	144	327
194	356		14	114	140	1,003	2,274	8	9	68	153
195	334		28	163	200	1,433	3,248	10	13	91	206
196	573		28	124	152	1,089	2,469	13	17	118	268
197	231		12	98	120	860	1,949	4	5	38	85
198	238		12	310	381	2,729	6,188	14	17	123	279
199	475		12	63	78	559	1,267	6	7	50	114
200	158		-	-	-	-	-		-	-	-
201	160		-	-	-	-	-		-	-	-
202	335		-	-	-	-	-		-	-	-
203	30		-	-	-	-	-		-	-	-
204	211		20	87	107	766	1,738	3	4	31	70
205	-		-	-	-	-	-	-	-	-	-
206	135		12	423	520	3,725	8,446	11	13	96	217
207	859		13	350	430	3,080	6,984	57	70	501	1,136
208	284		9	287	353	2,529	5,733	15	19	136	308
209	80		-	-	-	-	-		-	-	-
210	71		-	-	-	-	-		-	-	-
211	390		7	997	1,225	8,775	19,896	74	90	648	1,469
212	402		7	998	1,227	8,789	19,928	76	93	669	1,518
213	1,344		8	1,273	1,565	11,210	25,418	324	399	2,854	6,472
214	449		31	1,215	1,493	10,694	24,248	103	127	909	2,061
215	1,110		12	98	121	867	1,965	21	25	182	413
216	1,211		32	508	624	4,470	10,135	117	143	1,025	2,325
217	1,050		31	166	204	1,461	3,313	33	41	291	659

Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
218	581		20	766	942	6,747	15,299	84	104	742	1,683
219	1,063		32	417	512	3,667	8,316	84	103	739	1,675
220	415		32	541	665	4,763	10,801	43	52	374	849
221	39		31	124	152	1,089	2,469	1	1	8	18
222	1,920		31	52	64	458	1,039	19	23	167	378
223	1,564		23	1,181	1,451	10,393	23,566	350	430	3,078	6,980
224	377		23	768	944	6,762	15,332	55	67	483	1,096
225	551		23	172	212	1,519	3,443	18	22	159	359
226	788		11	182	224	1,605	3,638	27	33	240	543
227	1,303		11	665	817	5,852	13,269	164	202	1,444	3,274
228	580		28	1,389	1,707	12,227	27,724	153	188	1,344	3,047
229	1,653		27	612	752	5,387	12,214	192	235	1,686	3,824
230	2,058		29	778	956	6,848	15,527	303	373	2,669	6,052
231	1,300		5	519	638	4,570	10,362	128	157	1,125	2,551
232	736		11	1,277	1,570	11,246	25,499	178	219	1,567	3,553
233	488		23	828	1,018	7,292	16,534	77	94	674	1,528
234	449		29	260	319	2,285	5,181	22	27	194	441
235	310		14	155	190	1,361	3,086	9	11	80	181
236	310		8	106	130	931	2,111	6	8	55	124
237	105		5	173	213	1,526	3,459	3	4	30	69
238	697		26	1	1	7	16	0	0	1	2
239	186		17	57	70	501	1,137	2	2	18	40
240	145		15	182	224	1,605	3,638	5	6	44	100
241	578		15	240	295	2,113	4,791	26	32	232	525
242	125		-	-	-	-	-	-	-	-	-
243	-		-	-	-	-	-	-	-	-	-

Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
244	1,792		26	1	1	7	16	0	0	2	5
245	175		10	231	284	2,034	4,613	8	9	67	153
246	175		10	231	284	2,034	4,613	8	9	67	153
247	65		7	64	79	566	1,283	1	1	7	16
248	39		10	296	364	2,607	5,912	2	3	19	43
249	128		10	295	362	2,593	5,879	7	9	63	142
250	484		10	271	333	2,385	5,408	25	31	219	496
251	498		5	2	3	21	49	0	0	2	5
252	308		-	-	-	-	-	-	-	-	-
253	54		-	-	-	-	-	-	-	-	-
254	51		11	296	364	2,607	5,912	3	3	25	57
255	290		26	66	81	580	1,316	4	4	32	72
256	377		26	85	104	745	1,689	6	7	53	121
257	215		26	65	80	573	1,299	3	3	23	53
258	321		15	10	12	86	195	1	1	5	12
259	203		15	34	42	301	682	1	2	12	26
260	362		15	34	42	301	682	2	3	21	47
261	219		19	16	20	143	325	1	1	6	14
262	218		8	5	6	43	97	0	0	2	4
263	69		26	13	16	115	260	0	0	2	3
264	69		-	-	-	-	-	-	-	-	-
265	2,458		27	73	90	645	1,462	34	42	300	681
266	752		27	269	331	2,371	5,376	38	47	338	766
267	1,323		27	322	396	2,837	6,432	81	99	711	1,611
268	1,252		18	338	416	2,980	6,756	80	99	706	1,601
269	302		24	20	24	172	390	1	1	10	22

Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
270	1,005		5	484	595	4,262	9,664	92	113	811	1,839
271	954		25	378	464	3,324	7,536	68	84	600	1,361
272	656		23	495	608	4,355	9,875	62	76	541	1,227
273	485		6	517	635	4,548	10,313	48	58	418	947
274	1,244		23	279	343	2,457	5,571	66	81	579	1,313
275	419		19	151	185	1,325	3,005	12	15	105	239
276	649		23	273	335	2,400	5,441	34	41	295	669
277	2,473		16	80	98	702	1,592	37	46	329	746
278	573		13	247	304	2,178	4,937	27	33	236	536
279	458		20	231	284	2,034	4,613	20	25	176	400
280	295		22	185	227	1,626	3,687	10	13	91	206
281	440		20	168	206	1,476	3,346	14	17	123	279
282	76		20	111	136	974	2,209	2	2	14	32
283	697		20	257	316	2,263	5,132	34	42	299	677
284	690		14	509	625	4,477	10,151	66	82	585	1,326
285	91		14	457	562	4,026	9,128	8	10	69	157
286	464		14	612	752	5,387	12,214	54	66	473	1,074
287	229		18	579	711	5,093	11,548	25	31	221	501
288	500		8	578	710	5,086	11,531	55	67	481	1,091
289	738		15	2,474	3,041	21,783	49,390	346	425	3,045	6,904
290	488		18	2,224	2,733	19,576	44,388	205	252	1,808	4,100
291	494		16	481	591	4,233	9,599	45	55	396	899
292	689		27	1,593	1,958	14,025	31,801	208	255	1,829	4,147
293	325		20	1,830	2,249	16,109	36,527	113	138	992	2,249
294	396		20	360	442	3,166	7,179	27	33	238	539
295	1,017		13	1,468	1,804	12,922	29,299	283	348	2,489	5,644

Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
296	162		5	256	315	2,256	5,116	8	10	69	157
297	140		5	256	315	2,256	5,116	7	8	60	136
298	1,119		12	277	341	2,443	5,538	59	72	518	1,173
299	1,036		12	242	298	2,135	4,840	48	58	419	950
300	518		19	43	53	380	861	4	5	37	85
301	749		5	70	86	616	1,397	10	12	87	198
302	652		13	358	440	3,152	7,146	44	54	389	882
303	547		5	210	258	1,848	4,190	22	27	191	434
304	406		13	17	21	150	341	1	2	12	26
305	442		5	18	22	158	357	2	2	13	30
306	207		5	35	43	308	698	1	2	12	27
307	70		10	245	301	2,156	4,889	3	4	29	65
308	319		5	78	96	688	1,559	5	6	42	94
309	281		5	27	33	236	536	1	2	13	29
310	879		18	832	1,022	7,321	16,599	139	170	1,219	2,764
311	211		14	2,575	3,165	22,671	51,404	103	126	904	2,051
312	549		14	478	587	4,205	9,534	50	61	437	992
313	717		24	810	995	7,127	16,160	110	135	968	2,194
314	879		15	378	464	3,324	7,536	63	77	553	1,255
315	618		25	477	586	4,197	9,517	56	69	491	1,114
316	395		12	49	60	430	974	4	4	32	73
317	180		13	538	661	4,735	10,736	18	23	161	366
318	221		13	618	759	5,437	12,327	26	32	227	515
319	215		8	72	88	630	1,429	3	4	26	58
320	286		6	618	759	5,437	12,327	34	41	295	668
321	549		11	476	585	4,190	9,501	50	61	436	988

Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
322	1,063		9	332	408	2,922	6,626	67	82	588	1,334
323	1,074		8	330	406	2,908	6,594	67	83	591	1,341
324	568		16	72	88	630	1,429	8	9	68	154
325	484		6	72	89	638	1,445	7	8	59	133
326	487		11	72	88	630	1,429	7	8	58	132
327	578		5	71	87	623	1,413	8	10	68	155
328	414		20	9	11	79	179	1	1	6	14
329	336		20	330	405	2,901	6,578	21	26	184	418
330	802		5	177	217	1,554	3,524	27	33	236	535
331	675		22	190	233	1,669	3,784	24	30	213	484
332	379		5	254	312	2,235	5,067	18	22	160	364
333	379		5	101	124	888	2,014	7	9	64	145
334	525		8	521	640	4,584	10,394	52	64	456	1,034
335	325		18	472	580	4,155	9,420	29	36	256	579
336	325		18	478	587	4,205	9,534	29	36	259	586
337	150		13	36	173	1,239	2,810	1	5	35	80
338	671		5	113	139	996	2,258	14	18	127	287
339	311		9	65	80	573	1,299	4	5	34	76
340	304		5	693	852	6,103	13,838	40	49	352	797
341	152		12	331	407	2,915	6,610	10	12	84	190
342	328		5	174	214	1,533	3,476	11	13	95	216
343	141		10	296	364	2,607	5,912	8	10	70	158
344	-		-	-	-	-	-	-	-	-	-
345	327		5	26	32	229	520	2	2	14	32
346	303		5	68	83	595	1,348	4	5	34	77
347	303		5	49	60	430	974	3	3	25	56

Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
348	146		-	-	-	-	-		-	-	-
349	67		15	399	490	3,510	7,958	5	6	44	101
350	446		5	77	95	680	1,543	7	8	57	130
351	335		5	145	178	1,275	2,891	9	11	81	184
352	430		5	164	201	1,440	3,265	13	16	117	266
353	360		5	158	194	1,390	3,151	11	13	95	215
354	-		-	-	-	-	-	-	-	-	-
355	88		12	77	95	680	1,543	1	2	11	26
356	113		18	360	442	3,166	7,179	8	9	68	154
358	463		5	144	177	1,268	2,875	13	16	111	252
359	229		12	28	34	244	552	1	1	11	24
360	245		12	30	37	265	601	1	2	12	28
361	248		16	20	25	179	406	1	1	8	19
362	199		8	26	32	229	520	1	1	9	20
363	230		19	198	243	1,741	3,947	9	11	76	172
364	256		10	199	245	1,755	3,979	10	12	85	193
365	201		23	12	15	107	244	0	1	4	9
366	201		10	55	68	487	1,104	2	3	19	42
367	752		32	674	828	5,931	13,448	96	118	844	1,914
368	410		5	360	443	3,173	7,195	28	34	247	559
369	-		-	-	-	-	-	-	-	-	-
370	96		20	316	388	2,779	6,302	6	7	50	114
371	712		22	62	76	544	1,234	8	10	73	166
372	430		25	415	510	3,653	8,283	34	42	297	674
373	2,331		27	164	202	1,447	3,281	72	89	639	1,449
374	-		-	-	-	-	-	-	-	-	-

Table H-11 Future Conditions – Airport-Related Traffic, On-Airport Link Attributes, Traffic Assignment and Vehicle Miles Traveled (VMT) Summary

Link	Link	AM Link	PM Link	Volume				VMT			
Name	Distance (ft)	Speed (mph)	Speed (mph)	AM Peak	PM Peak	High 8-Hour	AWDT	AM Peak	PM Peak	High 8-Hour	AWDT
375			-	-	-	-	-				
376	751		7	142	175	1,254	2,842	20	25	178	404
377	835		7	77	95	680	1,543	12	15	108	244
378	758		5	224	275	1,970	4,466	32	40	283	642
379	313		13	351	431	3,087	7,000	21	26	183	415
380	671		8	149	183	1,311	2,972	19	23	167	378
LOGAN AIRPORT VMT								10,619	13,054	93,509	212,022



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H.4 Traffic Roadway Network

H.4.1 Existing Traffic Roadway Network



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NSA/NCA

SWSA/SERVICE ROAD

TERMINALS

SCA

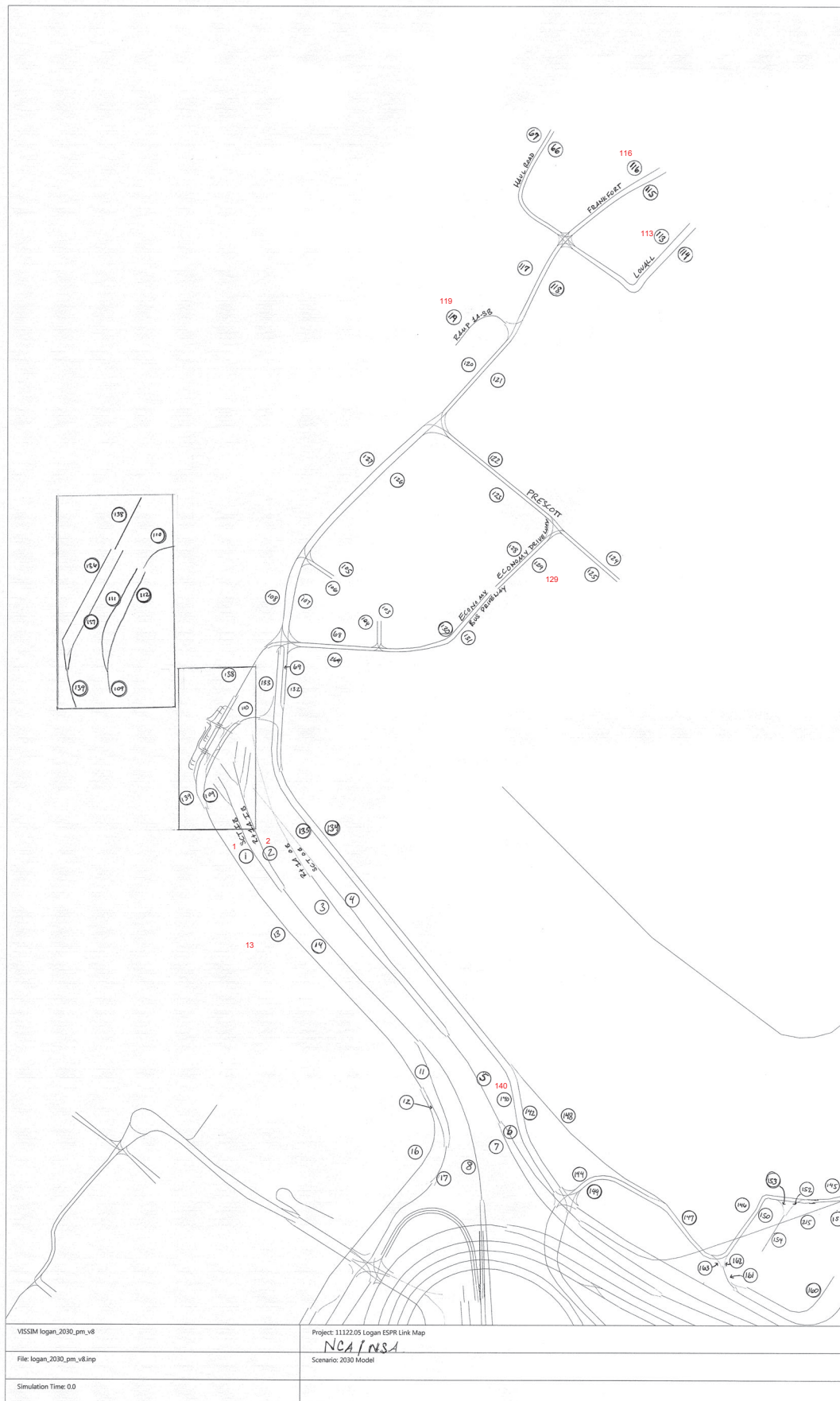
VSSIM 2011 logan network map

Project 2011 Logan Network

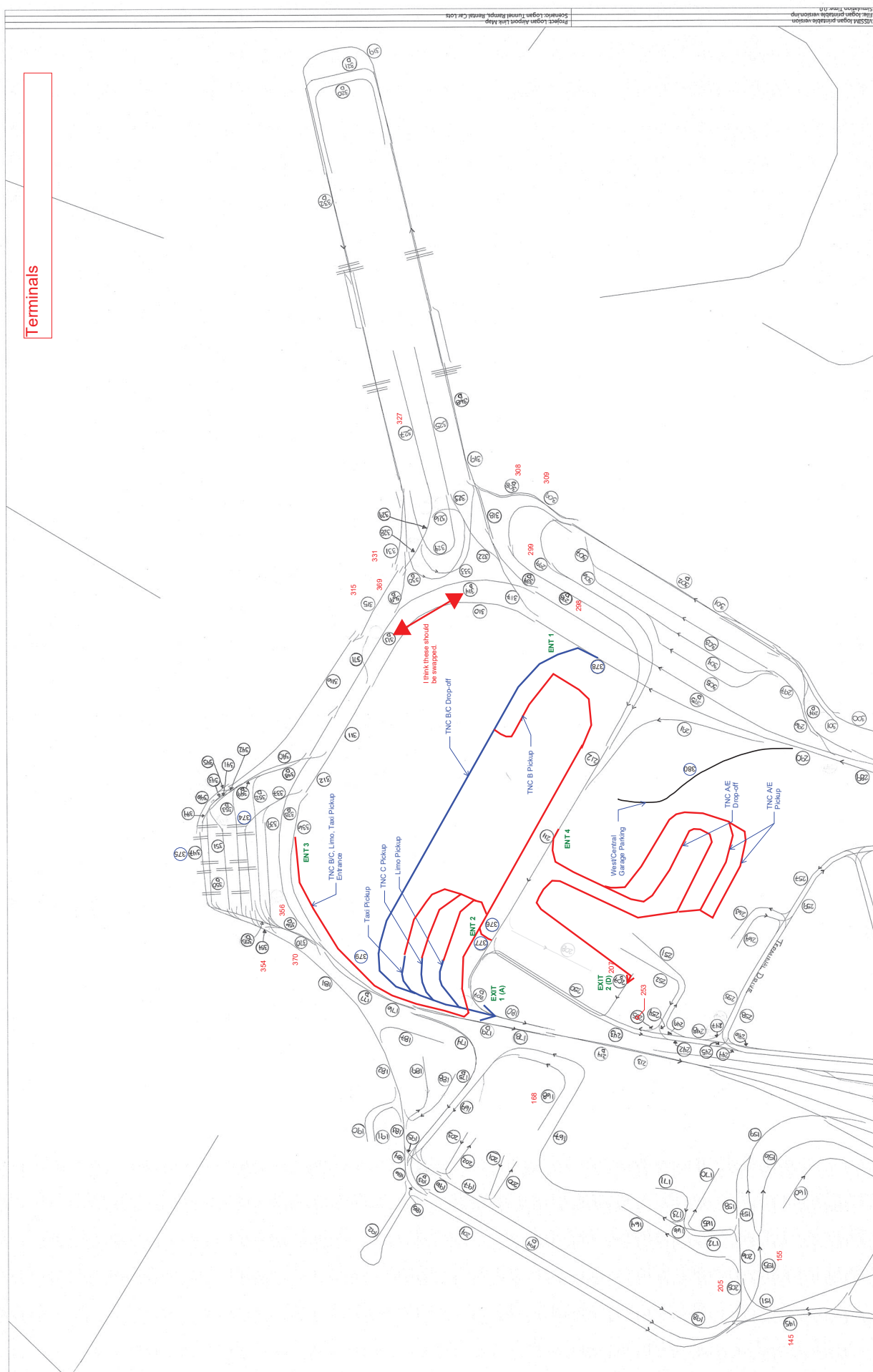
File 2011 logan network map.rp

Scenario Network Map

Simulation Time: 0.0

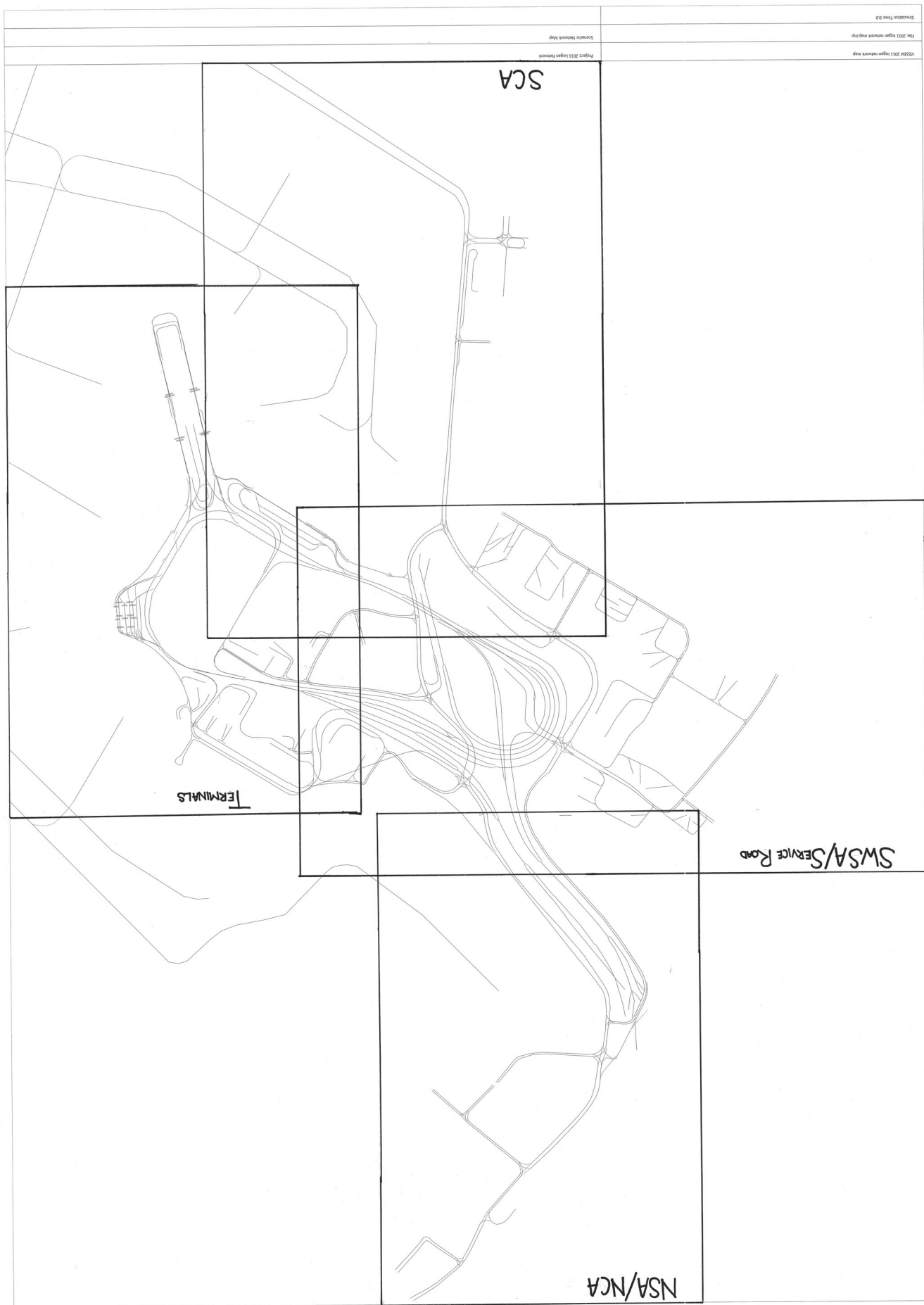


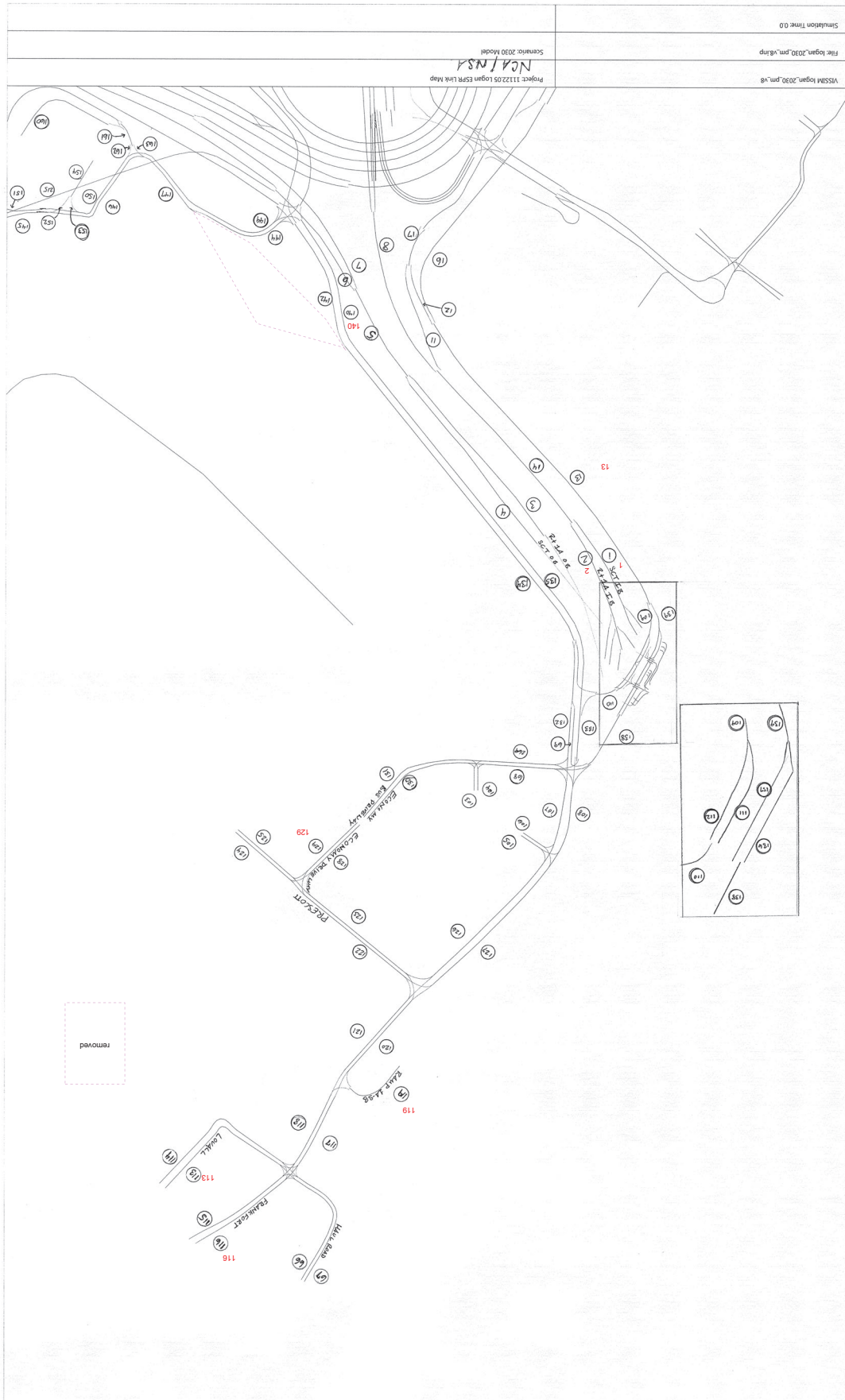




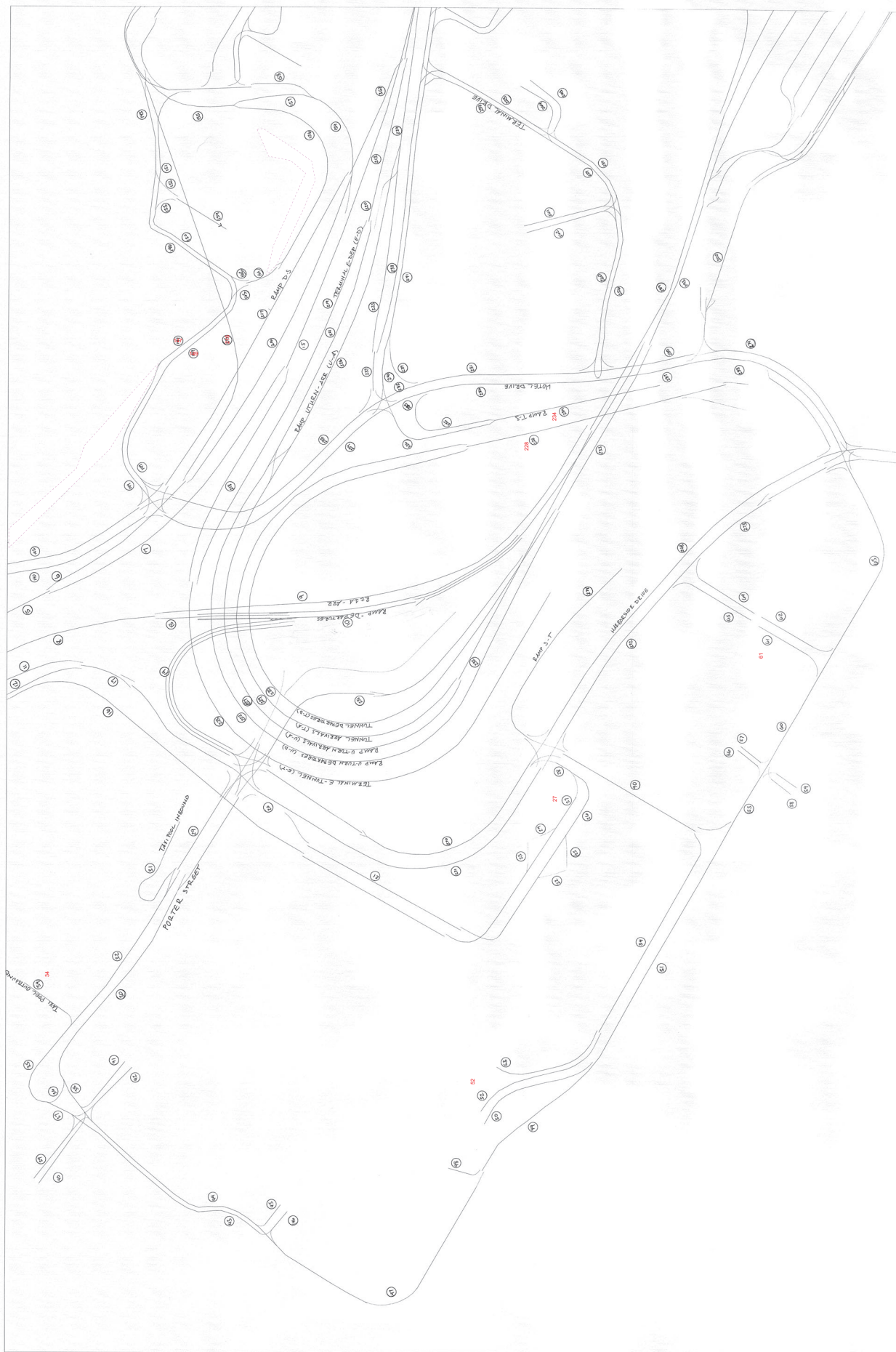
H.4.2 Future Traffic Roadway Network

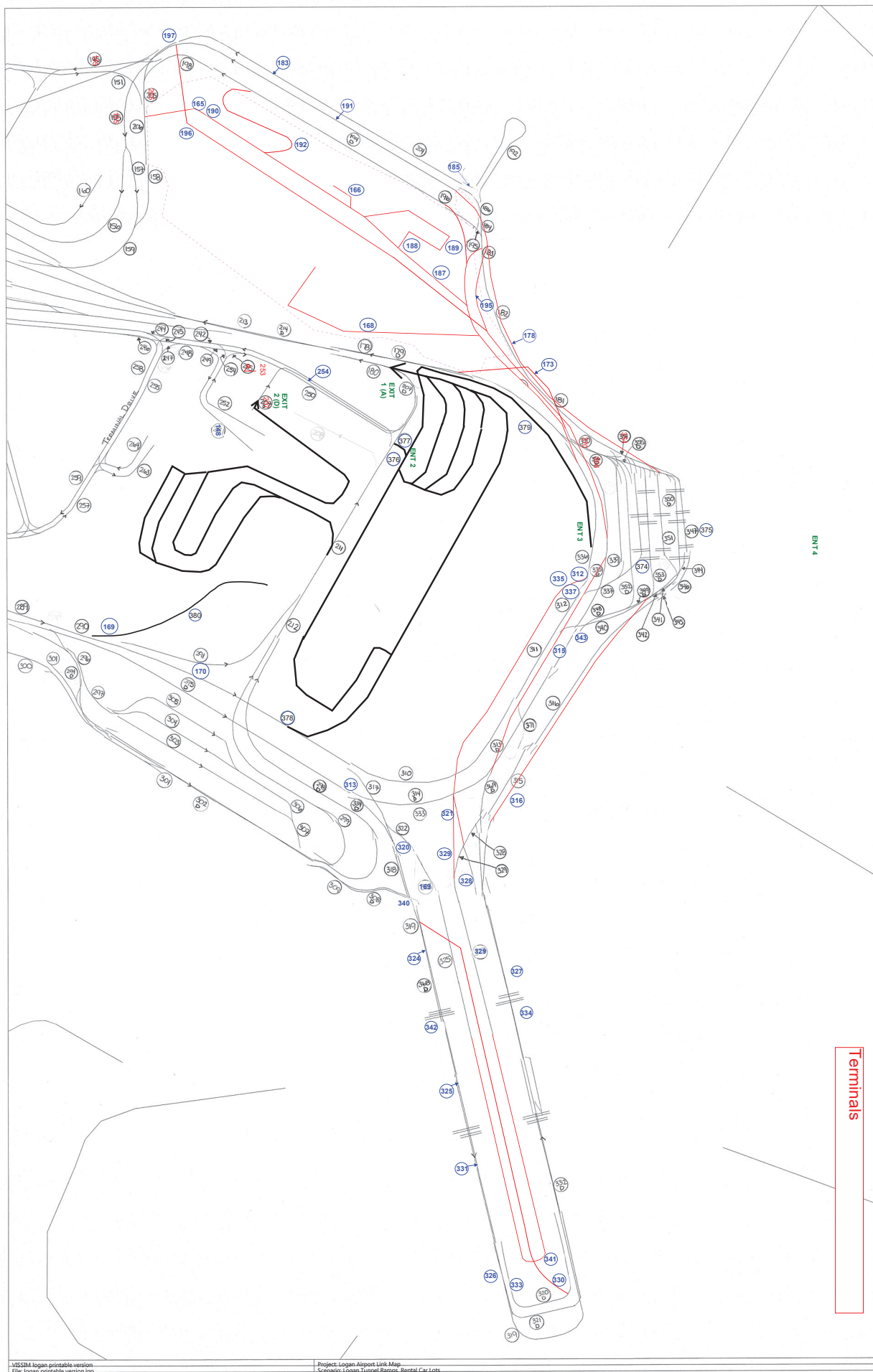
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H.5 Parking Freeze Report

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Massachusetts Port Authority
One Harborside Drive, Suite 200-S
East Boston, MA 02128-2909
Telephone: 617-568-5000
www.massport.com

March 22, 2022

Christine Kirby
Assistant Commissioner, Bureau of Air and Waste
Massachusetts Department of Environmental Protection
Bureau of Air & Waste
One Winter Street
Boston, MA 02108

Re: Logan Airport Parking Space Inventory

Dear Ms. Kirby:

In compliance with the reporting requirements of 310 CMR 7.30(3)(a), enclosed please find the Massachusetts Port Authority (Massport) submissions for the Logan Airport (the Airport) Parking Space Inventory:

- Commercial Parking Space Inventory;
- Employee Parking Space Inventory; and
- Location Map.

This submission was filed during the ongoing COVID-19 worldwide pandemic. Since March 2020, flights in and out of Logan have slowly recovered but continue to be reduced as compared to pre-COVID-19 levels. Due to these extraordinary circumstances, Massport responded with temporary parking closures at many of its parking facilities. Those temporary closures included the Economy garage, Terminal B, Terminal E Lot #3 and the Chelsea Garage which primarily serves airport employees. The Chelsea garage employee parkers were temporarily accommodated in on-Airport parking facilities to facilitate social distancing and protect health.

Massport continued to restore HOV services on its Braintree, Framingham and Woburn Logan Express to pre-COVID-19 schedules and recently launched the Peabody Logan Express in a more convenient site along Route I-95 in Peabody. Additionally, Massport continues to offer reduced fares for advanced bookings made through the new on-line Logan Express ticketing system for all of its Logan Express sites. As another element of our Authority-wide emission reductions program, Massport is continuing to add electric vehicle (EV) charging stations within our commercial, employee and ride-for-hire lots both on and off-Airport, and was recently awarded a grant from the MA Clean Energy Center (CEC) to encourage Airport rideshare and taxi partners to switch to electric vehicles.

Since the fall 2021 parking freeze filing, as a result of recovering passenger numbers, Massport has continued to restore service, update facilities, and engage with transportation partners. Massport reopened its Terminal B Garage (June 2021), Economy Garage (December 2021), and relocated employees back to the Chelsea garage in March 2022. The Terminal E surface lots are still closed to passengers due to construction impacts.

Massport continues to make appropriate adjustments to its parking space inventory in full compliance with the Logan Airport parking freeze regulations, and have made minor updates to its employee space totals as detailed in the attached filing. The attachments provide the updated quantity, physical distribution, and allocation of commercial and employee parking spaces on the Airport, as defined by 310 CMR 7.30, as amended, effective as of June 30, 2017.

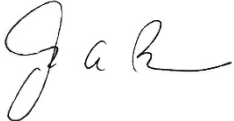
The permanent Commercial Parking Freeze Space Inventory totals 23,640 parking spaces; the permanent Employee Parking Space Inventory totals 2,448 parking spaces; and the total inventory of parking spaces at the Airport is 26,088. The in-service commercial parking spaces currently total 16,584 and the in-service employee parking spaces currently total 2,256 spaces. Additionally, we continue to provide information on rental car parking spaces, also attached.

The attached Logan Airport Parking Space Inventory reflects Massport's successful management of its parking program, within the requirements of 310 CMR 7.30, as amended.

If you have any questions, please call me at 617-568-3705.

Sincerely,

Massachusetts Port Authority

A handwritten signature in black ink, appearing to read 'J a R', written in a cursive style.

Joel Barrera, Director
Strategic & Business Planning Department

cc: Lynne Hamjian, EPA
M. Hadley, S. K. Lee, S. Dalzell, C. McDonald/Massport

Attachments

Commercial Parking Spaces Inventory
Logan International Airport
March 2022 Submission

Commercial Parking Spaces

		Mar-22
<u>Map ID#</u>	<u>Location of Commercial Parking Areas</u>	<u>Number of Spaces</u>
<u>Terminal Area Parking and Economy Parking Spaces</u>		
C1	Central Garage	6440
C2	West Garage	2954
	West Garage Expansion	1699
	<i>subtotal</i>	11093
C3	Terminal B Garage	2212
C5	Terminal E Lot 1 (<i>TEMPORARILY CLOSED</i>)	0
C6	Terminal E Lot 2 (<i>TEMPORARILY CLOSED</i>)	0
C7	Terminal E Lot 3 (<i>TEMPORARILY CLOSED</i>)	0
C8	Economy Garage	2864
	<i>subtotal</i>	5076
<u>Overflow Commercial Spaces</u>		
C11	Red Lot (Tomahawk Dr.) (<i>TEMPORARILY CLOSED</i>)	0
	<i>subtotal</i>	0
<u>Hotel Spaces</u>		
C4a	Logan Airport Hilton Hotel (one lot)	110
C10	Harborside Hyatt Conference Center	270
	<i>subtotal</i>	380
<u>General Aviation Spaces</u>		
C9	Signature (General Aviation Terminal)	35
	<i>subtotal</i>	35
Total In-Service Commercial Parking Spaces		16,584
Total Designated Commercial Parking Spaces		7,056
Total Commercial Parking Spaces		23,640
Total Employee Parking Spaces (see table on next page)		-
TOTAL PARKING FREEZE SPACES		23,640

Employee Parking Spaces Inventory
Logan International Airport
March 2022 Submission

Employee Parking Spaces

Mar-22

Area	Map ID#	Location of Employee Parking Areas	Number of Spaces
Terminal Area	E81	West Garage - MPA Employee	55
Terminal Area	E81a	West Garage Expansion - MPA Employee	12
Terminal Area	E81b	West Garage Expansion - Hilton Employee	7
Terminal Area	E3a	UPS	36
Terminal Area	E3b	Terminal B Garage (UPS)	55
Terminal Area	E26	Airport Tower/Administration Parking	533
Terminal Area	E20a & E20b	Terminal C Pier A (Old Terminal D) (two lots)	87
Terminal Area	E18	Massport Facilities 1 (Heating Plant)	81
Terminal Area	E34	Hilton Hotel employee lot	28
North Service Area	E68a	LSG Sky Chefs (Bldg. 68), main lot	25
North Service Area	E68b	LSG Sky Chefs (Bldg. 68), overflow lot	126
North Service Area	E1	Flight Kitchen Building 1 (and nearby lot)	80
North Service Area	E40	Lovell Street Lot (contractor trailer)	25
North Service Area	E53	Green Bus Depot (Bus Maintenance Facility)	12
North Service Area	E11a	North Cargo Building 11, TSA lot	64
North Service Area	E11b	North Cargo Building 11, State Police lot	36
North Service Area	E43	North Gate & EMS Trailer (EMS Station A7)	12
North Service Area	E8	North Cargo Building 8	118
North Service Area	E5	US Airways Administration/Hangar (Bldg. 5)	0
North Service Area	E4	Massport Facilities 3 (landside, Bldg. 4)	102
North Service Area	E4	Signature Flight Support	23
North Service Area	E13	UPS (Building 13) - currently vacant - out to RFP	15
North Service Area	E96	UPS (Building 96)	8
North Service Area	E94	United/Delta Buildings (Buildings 93/94)	55
Southwest Service Area	E59	Bus/Limo Pool Lot	4
Southwest Service Area	E60	Rental Car Center (Customer Service Center)	4
Southwest Service Area	E72	Taxi Pool Lot	0
Southwest Service Area	E50	Nouria Gas Station	4
South Service Area	E84	Bird Island Flats / Logan Office Center (LOC) Garage	370
South Service Area	E63	South Cargo Building 63	16
South Service Area	E62	South Cargo Building 62	51
South Service Area	E58	South Cargo Building 58	23
South Service Area	E57	South Cargo Building 57	44
South Service Area	E56	South Cargo Building 56	33
South Service Area	E78	Fire-Rescue HQ & Amelia Earhart Terminal	112

Total In-Service Employee Parking Spaces **2,256**

Total Designated Employee Parking Spaces **192**

Total Employee Parking Spaces **2,448**

Total Commercial Parking Spaces (see table on previous page) **23,640**

TOTAL PARKING SPACES **26,088**

TOTAL PARKING FREEZE SPACES **26,088**

LOGAN PARKING FREEZE SUMMARY

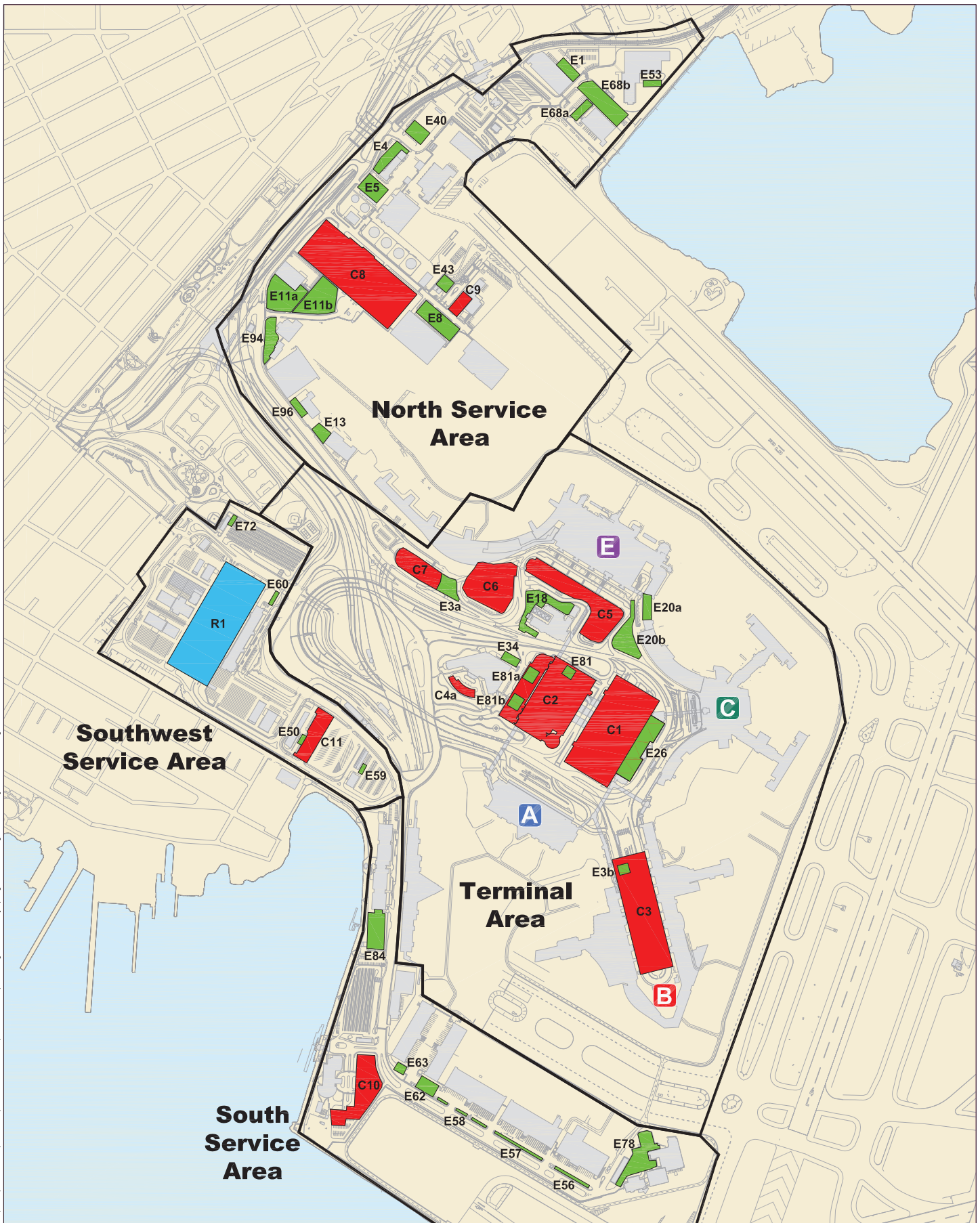
TOTAL COMMERCIAL PARKING SPACES	23,640
TOTAL EMPLOYEE PARKING SPACES	2,448
TOTAL PARKING FREEZE SPACES	26,088

Rental Car Spaces Inventory
Logan International Airport
March 2022 Submission

Rental Car Company Parking Spaces

		Mar-22
<u>Map ID#</u>	<u>Location of Employee Parking Areas</u>	<u>Number of Spaces</u>
R1	Rental Car Center (RCC)	5,020
Total Rental Car Spaces		5,020

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Logan Airport Parking Space Inventory

Logan International Airport
East Boston, MA



Massachusetts Port Authority
September 2021

Legend:

- Logan Parking Service Area Zones
- Commercial Parking Space Locations
- Employee Parking Space Locations
- Rental Car Parking Space Locations



0 250 500 1000
in feet

Notes:

This plan is intended for informational purposes only and no use may be made of the same without the express written permission of the Massachusetts Port Authority ("Massport"). Massport does not certify the accuracy, information or title to the properties contained in this plan nor make any warranties of any kind, express or implied, in fact or by law, with respect to any boundaries, easements, restrictions, claims, overlaps or other encumbrances affecting such properties.



Massachusetts Port Authority
One Harborside Drive, Suite 200-S
East Boston, MA 02128-2909
Telephone: 617-568-5000
www.massport.com

August 29, 2022

Christine Kirby
Assistant Commissioner, Bureau of Air and Waste
Massachusetts Department of Environmental Protection
Bureau of Air & Waste
One Winter Street
Boston, MA 02108

Re: Logan Airport Parking Space Inventory

Dear Ms. Kirby:

In compliance with the reporting requirements of 310 CMR 7.30(3)(a), enclosed please find the Massachusetts Port Authority (Massport) submissions for the Logan Airport (the Airport) Parking Space Inventory:

- Commercial Parking Space Inventory;
- Employee Parking Space Inventory; and
- Location Map.

Since March 2020, flights in and out of Logan have slowly recovered but continue to be reduced as compared to pre-COVID-19 levels. As we indicated in our previous submissions, during the height of the pandemic, Massport responded with temporary closures at many of its parking facilities, including the Economy Garage, Terminal B, Terminal E Lot #3 and the Chelsea Garage, which primarily serves airport employees. Massport has now reopened all commercial parking garages, including the Chelsea Garage, however the Terminal E surface lots remain closed to passengers due to ongoing construction impacts.

As of the date of this filing, Massport has restored HOV services on its Braintree, Framingham, Peabody and Woburn Logan Express locations. Massport continues to offer reduced fares for advanced bookings made through the on-line Logan Express ticketing system for these four suburban Logan Express sites. Restoration of the Back Bay Logan Express service is expected this Fall, with \$3 service to the Airport and free service from the Airport to Back Bay. As another element of our Authority-wide emission reductions program, Massport, in partnership with MassCAC and MassDOT, continues to advance opportunities for airport rideshare and taxi partners to switch to electric vehicles.

There are no updates to the parking space inventory from our previous filing. The attachments provide the quantity, physical distribution, and allocation of commercial and employee parking spaces on the Airport, as defined by 310 CMR 7.30, as amended, effective as of June 30, 2017.

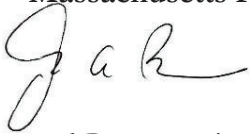
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The attached Logan Airport Parking Space Inventory reflects Massport's successful management of its parking program, within the requirements of 310 CMR 7.30, as amended.

If you have any questions, please call me at 617-568-3705.

Sincerely,

Massachusetts Port Authority

A handwritten signature in black ink, appearing to read 'J a b', is positioned above the printed name of Joel Barrera.

Joel Barrera, Director
Strategic & Business Planning Department

cc: Lynne Hamjian, EPA
M. Hadley, S. K. Lee, S. Dalzell, C. McDonald/Massport

Attachments

Commercial Parking Spaces Inventory
Logan International Airport
September 2022 Submission

Commercial Parking Spaces

		Sep-22
<u>Map ID#</u>	<u>Location of Commercial Parking Areas</u>	<u>Number of Spaces</u>
<u>Terminal Area Parking and Economy Parking Spaces</u>		
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	West Garage Expansion	1699
	<i>subtotal</i>	11093
C3	Terminal B Garage	2212
C5	Terminal E Lot 1 (<i>TEMPORARILY CLOSED</i>)	0
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C8	Economy Garage	2864
	<i>subtotal</i>	5076
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Employee Parking Spaces Inventory
Logan International Airport
September 2022 Submission

Employee Parking Spaces

Sep-22

Area	Map ID#	Location of Employee Parking Areas	Number of Spaces
Terminal Area	E81	West Garage - MPA Employee	55
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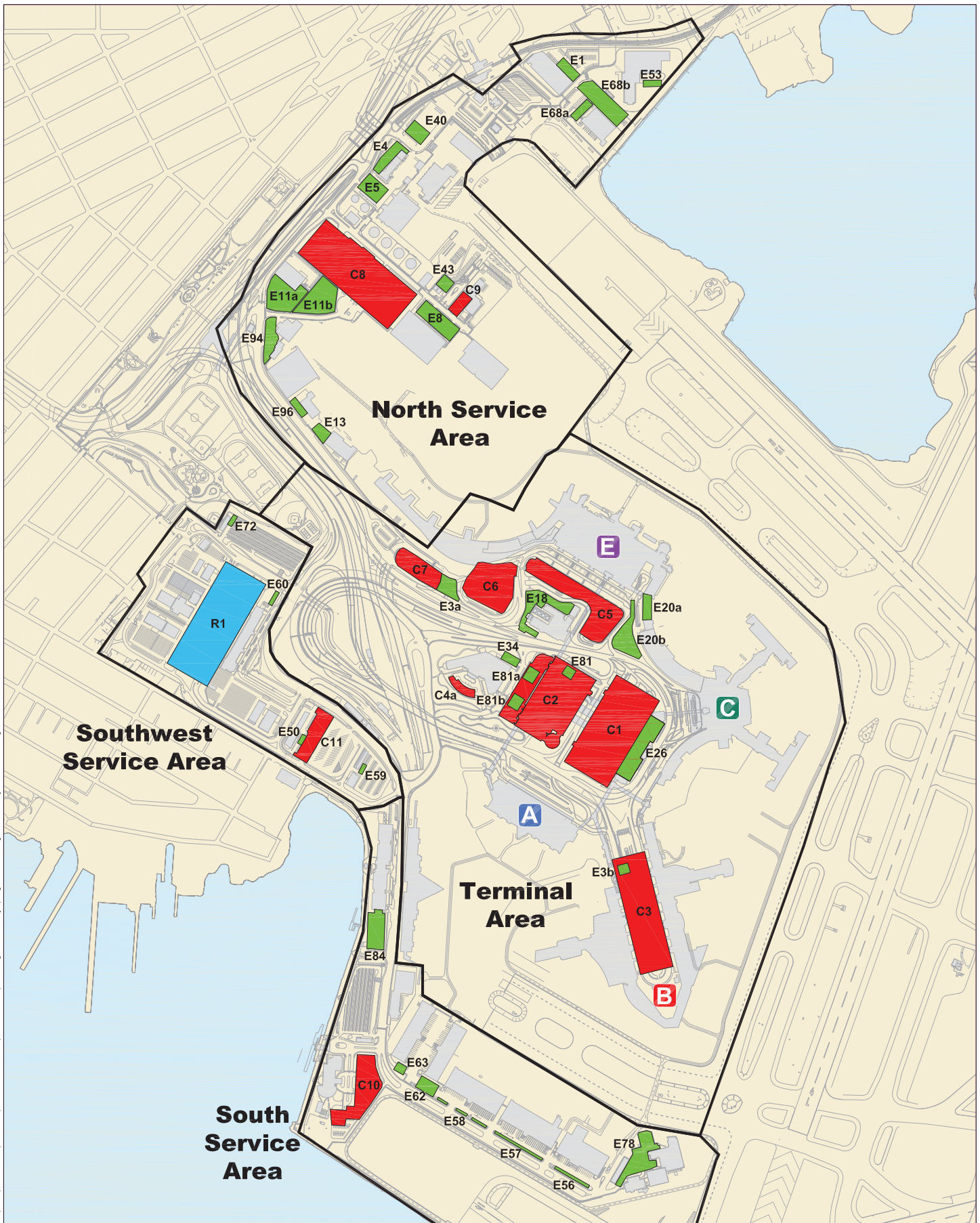
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TOTAL EMPLOYEE PARKING SPACES	2,448
TOTAL PARKING FREEZE SPACES	26,088

Rental Car Spaces Inventory
Logan International Airport
September 2022 Submission

Rental Car Company Parking Spaces

		Sep-22
<u>Map ID#</u>	<u>Location of Employee Parking Areas</u>	<u>Number of Spaces</u>
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Logan Airport Parking Space Inventory

Logan International Airport
East Boston, MA



Massachusetts Port Authority
September 2021

Legend:

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- Commercial Parking Space Locations
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0 250 500 1000
in feet

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