

MEMORANDUM

GM2 JOB NO. 2021-024

TO: Brad Rawson

Director of Mobility, Office of Strategic Planning and Community Development

City of Somerville 93 Highland Avenue Somerville, MA 02143

FROM: Stephan Zaets

David Giangrande GM2 Associates, Inc.

10 Cabot Road, Suite 101B Medford, MA 02155

SUBJECT: On-Street Parking Supply/Demand Study and Transportation Demand

Management Memorandum

20 Medford Street Somerville, MA

DATE: March 21, 2023

GM2 Associates, Inc. (GM2), has prepared this memorandum on behalf of its client, Somerville Living LLC, to provide justification for a Parking Relief Special Permit. The memorandum also outlines Transportation Demand Management measures to reduce the necessity for residents and employees to use vehicles. The site is currently occupied by residential units and office space in a Mid-Rise 4 (MR4) zone with on-site vehicle parking spaces. The Proponent is proposing to redevelop the site with an approximately 50,779 gross square foot (sf) mixed-use development that will consist of one (1) building containing 51 residential units and approximately 3,368 square feet of first floor retail. As part of this redevelopment, there will be twelve (12) parking spaces provided on-site. However, there will be a total of 61 bicycle parking spaces on-site for residents and visitors to use.

The City of Somerville Zoning Ordinance (SZO) details the parking requirements for various land uses. Since the Project is located just outside of a ½-mile walkshed for a rapid transit stop, the SZO states that one (1) parking space per residential unit and one (1) parking space per 750 square feet of retail space is required, totaling a minimum parking of 56 vehicle parking spaces. The required parking for 20 Medford Street, per the Somerville Zoning Ordinance, is shown in Table 1.



Table 1: Required Parking Spaces (per Somerville Zoning Ordinance)

	51 Residential Units (Outside of Transit Area*)	Commercial Space (3,358 square feet)
Minimum # of Required Spaces	1 per unit	1 per 750 square feet
# of Required Spaces for Units/Commercial Space	51	5
Total Parking Spaces Required	5	6

^{*}Transit Area is defined as ½-mile from the closest rapid transit station

This memorandum serves to demonstrate that when the building at 20 Medford Street is built, the available on-street parking in the vicinity of the site will be able to accommodate the potential parking demand based on the land use context and future multi-modal transportation access.

1. EXISTING ON-STREET PARKING SUPPLY AND DEMAND

To determine the amount of on-street parking that is utilized within the study area (as defined by the City of Somerville Mobility Division), GM2 performed a parking survey of all available on-street parking along twelve (12) roadways. Parking on-street in this area of Somerville consists of Permit-Only and 2-Hour/Permit-Only. 2-Hour is permitted between 8:00am and 2:30am and Permit-Only between 2:30am and 8:00am. The study area is shown in Figure 1 and includes the following roadways:

- Warren Street Permit-Only Parking along the east side
- South Street Permit-Only Parking and 2-Hour Parking along the south side
- Bedford Street Permit-Only and Unmarked parking on both sides
- Ward Street Permit-Only parking on the north side
- Horace Street Permit-Only and 2-Hour/Permit Parking along the west side
- Harding Street Permit-Only and 2-Hour/Permit Parking along the west side
- Hunting Street 2-Hour/Permit Parking along the east side
- Earle Street and Willow Street No Parking along either side
- Windsor Street 2-Hour/Permit Parking along the west side
- Windsor Place 2-Hour Parking along the north side
- Columbia Street 2-Hour Parking along the east side

It should be noted that residential and visitor parking permits can be purchased by residents, and it allows residents and visitors to park on-street within Somerville.

GM2 recorded the number of vehicles parked in on-street parking spaces in the study area to determine parking utilization in the study area. The parking data was collected during the following time periods and is summarized in Table 2:

- Tuesday, March 7, 2023 (10:00pm)
- Wednesday, March 8, 2023 (6:00am)
- Wednesday, March 8, 2023 (12:00pm)



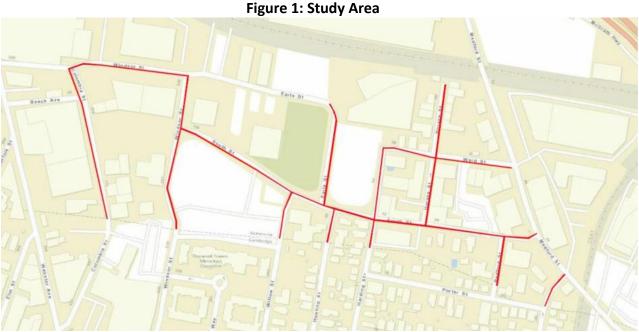


Table 2: On-Street Parking	Utilizatio	n Summary			
		Number of Vehicles Parked			
		Tuesday, Wednesday, Wednes 03/07/2023 03/08/2023 03/08/2			
		Night (10:00pm)	Morning (6:00am)	Midday (12:00pm)	
Total Permit-Only Parking Spaces			46		
Maximum Number of Vehicles Parked		28	32	42	
Minimum Number of Permit-Only Parking Spaces Available		18	14	4	
Minimum % of Permit-Only Parking Spaces Available		39%	30%	9%	
Total 2-Hour Parking Spaces			69		
Maximum Number of Vehicles Parked		12	41	60	
Minimum Number of 2-Hour Parking Spaces Available		57	28	9	
Minimum % of 2-Hour Parking Spaces Available		83%	41%	13%	
Total Parking Spaces			115		
Number of Vehicles Parked		40	73	102	
% of Total Parking Spaces Utilized		35%	63%	89%	
Number of Total Parking Spaces Available		<i>75</i>	42	13	

As shown in Table 2, there is a total of 115 parking spaces within the vicinity that includes 46 Permit-Only parking spaces and 69 2-Hour parking spaces. There were 75 parking spaces available during the Tuesday night period, 42 parking spaces available during the Wednesday morning period, and 13 parking spaces available during the Wednesday midday period. It should be noted that no signage was placed on the east side of Bedford Street and residents were noted to use this side for parking. Due to the lack of information regarding parking, the Bedford Street capacity was not included in the parking analysis. Detailed parking data along each roadway is attached in the Appendix.



The morning and midday counts found that some of the utilization along Windsor Place and South Street was due to workers arriving at the Bonyton Yards construction site. During the midday counts, much of the utilization of Columbia Street was due to the 513 Columbia Street construction sites. In addition to this, a portion of Columbia Street's right of way has been closed due to this construction, removing the pre-existing 30-minute parking spaces. As such, the evening counts are the most accurate representation of parking utilization in the area, which is the critical time for residents to park is during overnight hours. During this time period, there were 75 vehicle parking spaces available for residential or visitor overnight parking.

Proximity to Public Transportation and Pedestrian/Bicycle Infrastructure

In the vicinity of the Project, access to rail transit has increased due to the newly constructed Green Line Extension Project. The East Somerville Station has recently opened and is providing direct access to downtown Boston as well as through Somerville and to Medford. The East Somerville and Lechmere Stations are both just over a 0.5 mile walk from the Project. It should be noted that developments across South Street and Medford Street do fall within the 0.5-mile walkshed.

Currently, there are multiple bus routes, the 69, 80, 87, and 88 with stops within ¼ mile of the Project. Detailed schedules and maps are attached in the Appendix. In addition, the Project site is located near many bikeable and walkable streets that connect to destinations both within Somerville and surrounding communities. The Green Line Extension project will also extend the Somerville Community Path to East Somerville Station, which will help facilitate connection to Davis Square and other biking/walking paths. There will be approximately 61 safe, secure bicycle parking spaces on-site for residents and employees to use.

2. TRANSPORTATION DEMAND MANAGEMENT

The 20 Medford Street Project is committed to achieving the City's goal of having the percentage of trips made to the site by automobile be 50% or less, which is consistent with SomerVision. There will also be reasonable efforts made to control the percentage of trips made by automobile at 37.5% or less by 2030 and at 25% or less by 2040 to meet the SomerVision 2040 goals. To that end, the Project is recommending several programs and services to reduce single-occupancy vehicle use.

The SomerVision plan outlines a priority on non-auto transit. The City of Somerville is supporting this goal by creating additional bicycle, pedestrian, and transit facilities throughout Somerville. For those accessing this area of Somerville, the multimodal infrastructure provides alternatives to the personal vehicle. The Project team has developed the Transportation Demand Management measures and will work with the City of Somerville to implement them. These programs and services include:

- Marketing & Education
- On-Site Services
- Monitoring and Annual Reporting



2.1 Marketing and Education

A key element of all Transportation Demand Management (TDM) programs is letting potential users know that they exist. While the specific programs have yet to be determined, the Project team intends to provide information through channels such as:

- Annual Mobility Education Meeting all residents and employees in the building will be invited to attend a Mobility Education meeting to learn about options annually.
- TDM Program information on the Project's websites and related media.
- Posted Transportation Information, such as maps, schedules, locations of nearby carsharing stations, BlueBike stations, the availability of carpool/vanpool opportunities, and other information relevant to commuting options in the building lobbies.
- Posted transportation demand management information (to be submitted to the Director of Mobility for review and approval).
- Distributed transportation demand management information (to be submitted to the Director of Mobility for review and approval).
- The transportation demand management information that will be posted (and approved by the Director of Mobility), will also be provided to residents when they move in and employees upon hire. The information will also be provided to residents and employees:
 - Via yearly emails or newsletters.
 - When there are notable changes to public transportation schedules, bicycle/pedestrian infrastructure, or the availability of ride-share, car-share, or bike-share services in the area.

2.2 Site Services

The larger Somerville area offers transit service, bicycle infrastructure, and sidewalk coverage. However, there are additional services that the Project development proposes to offer, including:

- **Secure Bicycle Parking:** There will be a minimum of 61 long-term bicycle parking spaces located on-site. Provisions for the final bicycle parking design to encourage its use are:
 - Clear wayfinding to bicycle parking,
 - 24-hour access,
 - Secure bicycle racks that meet Somerville-specific or national standards,
 - Location close to entrances
- Subsidized MBTA passes for residents
- Subsidized BlueBike passes for residents
- Purchase of BlueBikes bike share station to be installed by the city

Conclusion

The Project at 20 Medford Street currently has one building on-site that contains both residential and uses. The proposed building will contain 51 residential units and approximately 3,368 square feet of retail space. According to the Somerville Zoning Ordinance, the residential units will require 51 vehicle parking spaces and the retail space would require five (5) vehicle parking spaces, for a



total of 56 vehicle parking spaces required on-site. The proposed development will provide twelve (12) vehicle parking spaces on-site. Therefore, the Applicant is seeking a Parking Relief Special Permit.

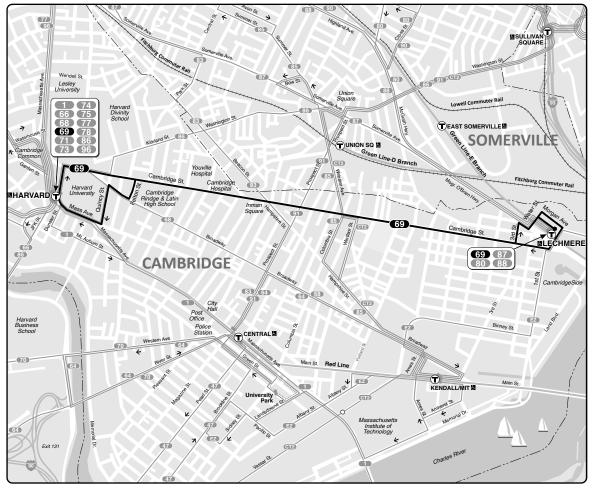
GM2 performed a parking utilization study of available on-street parking along twelve (12) roadways in the vicinity of the site. The data was collected during a typical Tuesday evening from 10:00 pm to 11:00 pm, a Wednesday from 6:00 am to 7:00 am, and a Wednesday from 12:00 pm to 1:00 pm in March 2022. In total, there are 115 parking spaces along those twelve roadways in the vicinity of the site, including 46 Permit-Only vehicle parking spaces and 69 2-Hour vehicle parking spaces.

During the data collection period, there were 40 parked vehicles during the Tuesday evening period, 73 parked vehicles during the Wednesday morning period, and 102 parked vehicles during the Wednesday midday period. The critical time for residents to find overnight parking is during the 10:00pm data collection. During this time, **75 vehicle parking spaces** were available.

In addition to the available parking spaces for overnight residential parking, the Proponent will provide multiple Transportation Demand Management measures to encourage residents, employees, and visitors to use non-motorized means of transportation to access the site. The availability of other modes of transportation – bicycle facilities, public transportation – lends itself to the successful implementation of said Transportation Demand Management measures.

Based on the results of this study, GM2 believes the available on-street parking in the vicinity of the Project site, combined with the proposed Transportation Demand Management measures, will be able to accommodate the potential parking demand for the 20 Medford Street development.





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Replaces March 2022

69

Harvard Sq – Lechmere Sta

Connections

RED LINE

GREEN LINE E



Information **617-222-3200**Lost and Found **617-222-2229**TTY **617-222-5146**

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We	eekday 6	i9		Ou	tbound		
	Harvard Sq/ Holyoke St	Inman Square	Lechmere Station		Lechmere Station	Inman Square	Harvard Sq/ Holyoke St
8	5:25 6:05 6:45 7:18 7:38 8:18 8:03 8:18 8:03 8:18 9:03 9:155 10:20 11:10 11:35 12:50 12:25 12:50 12:25 12:50 13:28 3:28 3:28 3:28 3:28 3:28 3:28 3:28	5:29 6:09 6:49 7:24 7:39 7:54 8:09 8:24 8:39 8:54 9:09 9:24 9:39 10:01 10:51 11:16 12:31 12:56 11:41 12:56 12:31 12:58 3:15 3:34 4:34 4:34 5:32 5:50 6:08	5:38 6:21 7:21 7:36 7:51 8:36 8:21 8:36 9:21 9:36 9:21 9:36 11:28 11:28 11:28 11:28 11:33 11:28 12:43 1:58 2:21 2:38 2:55 3:12 3:41 3:48 4:08 5:28 5:28 5:46 6:02		8:55 6:25 6:45 7:10 7:55 8:10 7:55 8:10 9:30 9:55 10:20 11:10 11:30 11:10 12:25 12:50 1:15 1:38 1:54 2:43 3:40 4:40 4:40 5:36 5:36 5:36 5:12	5:54 6:34 6:49 7:04 7:19 7:35 7:51 8:06 8:21 8:36 8:51 9:06 10:31 10:56 11:21 11:46 1:01 11:26 1:49 2:05 2:54 3:11 3:51 4:51 5:29 5:47 6:03	Psy # PhoNor
	6:20 6:38 6:55 7:13 7:56 8:40 9:20 10:00 10:40 11:15 11:50 12:25 1:00	6:26 6:44 7:01 7:19 8:02 8:44 9:24 10:04 10:44 11:19 11:54 12:29	6:38 6:56 7:13 7:31 8:14 8:54 9:34 10:13 10:53 11:28 12:03 12:38 1:13	W	6:30 6:48 7:10 7:35 8:20 9:00 9:40 10:20 10:57 11:32 12:07 12:42 1:20	6:39 6:57 7:19 7:44 8:29 9:09 9:49 10:28 11:05 11:40 12:15 12:50 1:28	6:48 7:06 7:28 7:53 8:36 9:16 9:56 10:35 11:12 11:47 12:22 12:57 1:35

Saturday 6	9		Outbou	nd		
Harvard Sq/ Holyoke St	Inman Square	Lechmere Station		Lechmere Station	Inman Square	Harvard Sq/ Holyoke St
1:55 1:55 1:55 8:10 8:50 9:30 10:15 11:00 11:25 11:50 12:15 12:40 1:05 1:30 2:45 3:10 3:35 4:00 4:25 4:50 6:05 6:30 6:55 7:20 8:05	5:17 5:52 6:27 7:37 8:13 8:53 9:33 10:18 11:29 11:54 12:19 12:44 11:09 1:34 11:59 2:24 2:49 3:14 3:39 4:04 4:29 4:54 5:19 5:43 6:33 6:58 7:23 8:08	5:25 6:00 6:35 7:10 7:45 8:23 9:34 10:31 11:17 12:32 12:58 1:23 1:48 2:13 2:38 3:03 3:28 3:53 4:18 4:43 5:56 6:21 7:36	56666666666666666666666666666666666666	100 100 100 100 100 100 100 100 100 100	5:37 6:12 6:47 7:22 7:57 8:40 9:00 10:01 10:47 11:13 12:02 12:27 12:52 1:17 1:42 2:07 3:22 3:47 4:12 4:37 5:52 6:17 5:52 6:17 5:52 6:17 8:35	12:15 1:20 1:25 1:20 2:15 1:20 3:05 3:30 3:55 4:20 4:45 5:10 5:35 6:00 6:50 7:14 7:59 8:42
8:50 9:35 10:20 11:05 11:45 12:25 1:05	8:53 9:38 10:23 11:08 11:48 12:28 1:08	9:04 9:49 10:34 11:19 11:59 12:36 1:15	9 9 10 11 12 12	:11 :56 :40 :25 ::05 ::45 ::20	9:20 10:05 10:48 11:33 12:12 12:52 1:27	9:27 10:12 10:54 11:39 12:18 12:58 1:33

S from Cambridge Street & Felton Street on school days

waits for last train to arrive Lechmere Station

PM times are bold

Information in this timetable is subject to change without notice. Traffic and weather may affect running times.

Sunday 69 Inbound			Out	bound		
Harvard Sq/ Holyoke St	Inman Square	Lechmere Station		Lechmere Station	Inman Square	Harvard Sq/ Holyoke St
6:21	6:24	6:32		6:05	6:14	6:18
7:21	7:24	7:32		7:05	7:14	7:18
8:21	8:25	8:33		8:00	8:09	8:14
9:18	9:22	9:30		9:00	9:09	9:14
9:54	9:58	10:06		9:35	9:44	9:49
10:31	10:35	10:43		10:10	10:20	10:26
11:11	11:16	11:25		10:50	11:00	11:06
11:51	11:57	12:06		11:30	11:40	11:46
12:31 1:11	12:37 1:17	12:46 1:26		12:10 12:50	12:20 1:01	12:26 1:07
1:51	1:57	2:06		1:30	1:41	1:47
2:31	2:37	2:46		2:10	2:21	2:27
3:11	3:17	3:26		2:50	3:01	3:07
3:51	3:57	4:06		3:30	3:41	3:47
4:31	4:37	4:45		4:10	4:21	4:27
5:11	5:17	5:25		4:50	5:01	5:07
5:51	5:57	6:05		5:30	5:41	5:47
6:31	6:37	6:45		6:10	6:21	6:27
7:11	7:17	7:25		6:50	7:00	7:05
7:51	7:56	8:03		7:30	7:40	7:45
8:31	8:36	8:43		8:10	8:19	8:24
9:11	9:16	9:23		8:50	8:59	9:04
9:51	9:56	10:03		9:30	9:39	9:44
10:31	10:36	10:43		10:10	10:19	10:24
11:11	11:16	11:23		10:50	10:58	11:03
11:46	11:50	11:57		11:30	11:38	11:43
12:21	12:25	12:32		12:05	12:13	12:18
12:56	1:00	1:07		12:40	12:48	12:53
			W	1:18	1:25	1:30

2022 Holidays

SUN	M	lemorial	Day
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SUN Independence Day

SUN Labor Day

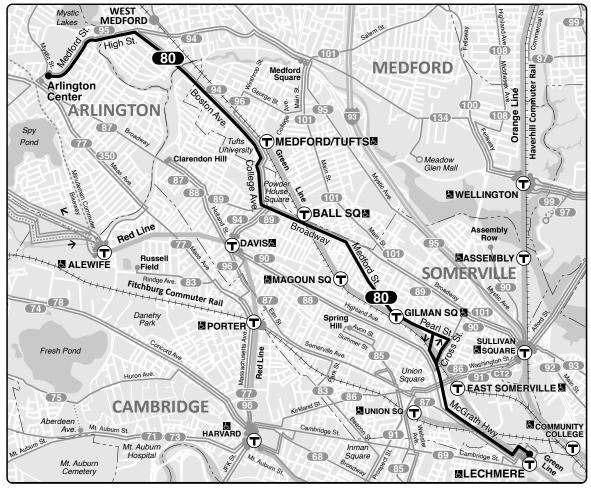
SUN Thanksgiving Day

SUN Christmas Day

SUN Christmas Day Observed

SAT New Year's Eve

SUN New Year's Day



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Bus	\$1.70	\$1.70	\$0.85
	CharlieCard	Cash on board	Reduced fare

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Replaces August 2022

Arlington Ctr – Lechmere Sta

Schedule Change - Weekday

Connections

GREEN LINE D



Information 617-222-3200 Lost and Found 617-222-2229 TTY 617-222-5146

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Inbound	y 80			Outbound	i		
Arlington Center	Powder Hse Square	Magoun Square	Lechmere Station	Lechmere Station	Magoun Square	Powder Hse Square	Arlington Center
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5:30	5:37	5:40	5:54	5:59	6:10	6:13	6:26
6:00	6:09	6:13	6:28	6:34	6:46	6:49	7:06
6:30	6:39	6:43	6:58	7:09	7:21	7:24	7:45
6:55	7:05	7:10	7:31	7:39	7:53	7:56	8:19
7:25	7:37	7:42	8:03	8:09	8:24	8:27	8:47
7:55	8:07	8:12	8:33	8:39	8:52	8:55	9:12
8:25	8:37	8:42	9:02	9:09	9:21	9:24	9:41
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10:45	10:56	11:00	11:17	11:25	11:37	11:40	11:57
11:25	11:36	11:40	11:57	12:05	12:17	12:20	12:37
12:05	12:16	12:20	12:37	12:45	12:57	1:00	1:17
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2:05	2:16	2:20	2:37	2:35	2:47	2:50	3:08
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5:22	5:35	5:40	5:58	5:35	5:50	5:54	6:14
5:52	6:05	6:10	6:26	6:05	6:20	6:23	6:41
6:22	6:33	6:38	6:54	6:35	6:47	6:50	7:08
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10:41	10:48	10:51	11:04	10:10	10:21	10:24	10:37
11:41	11:48	11:51	12:04	11:10	11:21	11:24	11:37
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6:00	6:08	6:10	6:23	6:30	6:40	6:43	6:56
6:30	6:38	6:40	6:53	7:00	7:10	7:13	7:26
7:00	7:08	7:10	7:23	7:30	7:40	7:43	7:56
7:30	7:38	7:40	7:53	8:00	8:10	8:13	8:26
8:00	8:09	8:12	8:26	8:30	8:40	8:43	8:58
8:30	8:39	8:42	8:56	9:00	9:10	9:13	9:28
9:01	9:11	9:14	9:28	9:30	9:40	9:43	9:58
9:31	9:41	9:44	9:58	10:00	10:10	10:13	10:28
10:01	10:11	10:14	10:28	10:35	10:48	10:51	11:07
10:36	10:46	10:49	11:03	11:10	11:23	11:26	11:42
11:11	11:21	11:24	11:40	11:45	11:58	12:01	12:17
11:46	11:56	11:59	12:15	12:20	12:33	12:36	12:52
12:21	12:31	12:34	12:50	12:55	1:08	1:11	1:27
12:56	1:06	1:09	1:25	1:30	1:43	1:46	2:02
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2:06	2:16	2:19	2:35	2:40	2:53	2:56	3:12
2:41	2:51	2:54	3:10	3:15	3:28	3:31	3:47
3:16	3:26	3:29	3:45	3:50	4:03	4:06	4:22
3:51	4:01	4:04	4:20	4:25	4:38	4:41	4:57
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6:11	6:21	6:24	6:40	7:21	7:33	7:35	7:50
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7:55	8:03	8:06	8:19	9:23	9:33	9:35	9:48
7.55 8:55	9:03	9:06	9:19	10:23	10:32	10:34	10:47
9:55	10:02	10:05	10:17	11:23	11:32	11:34	11:47
10:55	11:02	11:05	11:17	12:23	12:31	12:33	12:44
11:55	12:02	12:05	12:17	₩ 1:18	1:26	1:28	1:39
12:50	12:57	1:00	1:12	0	1.20	1.20	1.55

Sunday Inbound	80			Outbound	i		
Arlington Center	Powder Hse Square	Magoun Square	Lechmere Station	Lechmere Station	Magoun Square	Powder Hse Square	Arlington Center
6:30	6:38	6:41	6:53	7:00	7:09	7:11	7:23
7:30	7:38	7:41	7:53	8:00	8:09	8:11	8:23
8:30	8:38	8:41	8:53	9:00	9:10	9:12	9:25
9:30	9:39	9:42	9:55	10:00	10:10	10:12	10:27
10:35	10:45	10:48	11:01	11:10	11:22	11:25	11:40
11:45	11:56	11:59	12:13	12:20	12:32	12:35	12:50
12:55	1:06	1:09	1:23	1:30	1:42	1:45	2:00
2:05	2:16	2:19	2:33	2:40	2:52	2:55	3:10
3:15	3:26	3:29	3:43	3:50	4:01	4:04	4:19
4:25	4:36	4:39	4:53	5:00	5:11	5:14	5:29
5:35	5:45	5:48	6:00	6:10	6:21	6:24	6:38
6:45	6:54	6:57	7:09	7:20	7:31	7:34	7:47
7:55	8:04	8:07	8:19	8:30	8:40	8:42	8:55
9:05	9:14	9:17	9:29	9:40	9:50	9:52	10:05
10:15	10:24	10:27	10:39	10:50	10:59	11:01	11:13
11:25	11:33	11:36	11:48	12:00	12:08	12:10	12:20

waits for last train to arrive Lechmere Station

PM times are **bold**

Information in this timetable is subject to change without notice. Traffic and weather may affect running times.

Always check bus destination signs before boarding. Some buses may only serve a part, or skip portions of this route.

2022-2023 Holidays

SUN Christmas Day

SAT New Year's Eve

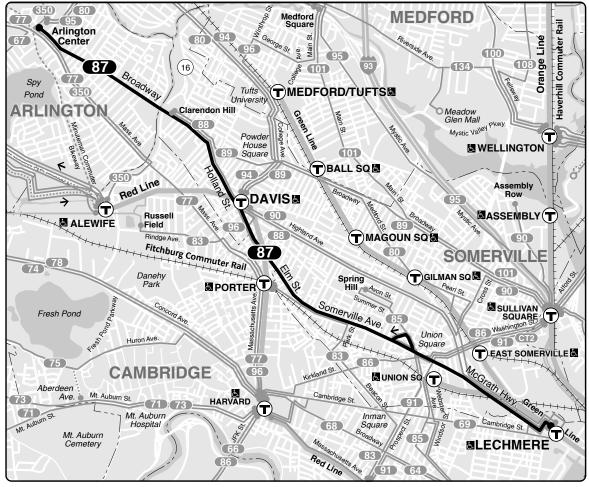
SAT MLK Jr. Day

SAT Presidents' Day

SUN Christmas Day Observed

SUN New Year's Day

SUN New Year's Day Observed



• Transfer to bus/subway available on CharlieCard—good for 2 hours, pay fare difference.

• Children 11 & under ride free with a paying customer.

All MBTA buses are accessible to people with disabilities.

Bus + Subway	\$2.40	\$4.10	\$1.10
Bus	\$1.70	\$1.70	\$0.85
	CharlieCard	Cash on board	Reduced fare

Complete fare/pass rules and free/reduced fare eligibility: mbta.com/fares or call 617-222-3200 Effective December 18, 2022

Replaces August 2022

Clarendon Hill or Arlington Ctr
- Lechmere Sta

Schedule Change - Weekday

Connections

RED LINE

GREEN LINE E



Information 617-222-3200 Lost and Found 617-222-2229 TTY 617-222-5146

Realtime arrival information, maps, and more

mbta.com

Weekda Inbound	y 87			Outbound	ı		
Arlington Center	Clarendon Hill	Davis Station	Lechmere Station	Lechmere Station	Davis Station	Clarendon Hill	Arlington Center
-	5:05	5:08	5:26	5:29	5:42	5:48	-
_	5:25 5:50	5:28 5:53	5:46 6:14	5:50 6:14	6:03 6:27	6:09 6:33	6:13 6:37
_	6:08	6:12	6:34	6:34	6:47	6:53	6:57
6:19	6:24	6:27	6:49	6:54	7:09	7:15	7:21
6:35	6:40	6:43	7:05	7:14	7:30	7:36	7:42
6:51	6:56	6:59	7:21	7:29	7:45	7:51	7:57
7:07 7:23	7:12 7:28	7:15 7:33	7:38 8:02	7:47 8:06	8:04 8:23	8:13 8:32	8:19 8:38
7:39	7:44	7:49	8:19	8:27	8:44	8:53	8:59
7:56	8:02	8:07	8:40	8:49	9:06	9:15	9:21
8:14	8:20	8:25	8:58	9:11	9:28	9:37	9:43
8:32	8:38	8:43	9:11	9:33	9:50	9:59	10:05
8:52 9:13	8:58 9:18	9:01 9:21	9:25 9:45	9:53 10:22	10:10 10:39	10:19 10:48	10:25 10:54
9:13	9:10	9:43	10:07	10:22	11:10	11:20	11:25
10:00	10:05	10:08	10:32	11:22	11:40	11:50	11:55
10:30	10:35	10:38	11:03	11:52	12:10	12:20	12:25
11:00	11:05	11:08	11:35	12:22	12:40	12:50	12:55
11:30	11:35	11:38	12:05	12:52	1:10	1:20	1:25
12:00 12:30	12:05 12:35	12:08 12:38	12:35 1:05	1:22 1:52	1:40 2:10	1:50 2:20	1:55 2:25
1:00	1:05	1:08	1:35	2:22	2:40	2:50	2:55
1:30	1:35	1:38	2:05	2:48	3:06	3:16	3:21
2:00	2:05	2:08	2:35	3:08	3:26	3:36	3:41
2:17	2:22	2:25	2:54	3:28	3:46	3:56	4:01
2:37 2:57	2:42 3:02	2:45 3:05	3:14 3:34	3:48 4:09	4:06 4:27	4:16 4:38	4:21 4:45
3:15	3:20	3:23	3:52	4:30	4:49	5:01	5:08
3:35	3:40	3:43	4:12	4:50	5:09	5:21	5:28
3:55	4:00	4:03	4:32	5:10	5:29	5:41	5:48
4:15	4:20	4:23	4:52	5:30	5:49	6:01	6:05
4:36 4:57	4:41 5:02	4:44 5:05	5:14 5:35	5:50 6:10	6:09 6:28	6:21 6:37	6:25 6:41
5:17	5:22	5:25	5:55	6:30	6:46	6:54	6:58
5:37	5:42	5:45	6:15	6:50	7:06	7:14	7:18
5:57	6:02	6:05	6:34	7:10	7:26	7:34	7:38
6:17	6:22	6:25	6:51	7:30	7:46	7:54	7:58
6:37 7:03	6:42	6:45	7:09 7:30	7:55 8:25	8:11	8:19	-
7:03	7:07 7:27	7:10 7:30	7:30 7:50	8:25 8:55	8:38 9:08	8:44 9:14	-
7:50	7:54	7:57	8:15	9:25	9:38	9:44	_
-	8:25	8:28	8:46	9:50	10:03	10:09	-
-	8:55	8:58	9:16	10:20	10:33	10:39	-
-	9:25	9:28	9:46	10:50	11:03	11:09	-
-	9:55 10:26	9:58 10:29	10:14 10:45	11:22 11:55	11:35 12:07	11:41 12:13	-
-	10:26	11:01	10:45	12:25	12:07	12:13	_
-	11:30	11:33	11:48	12:55	1:07	1:13	_
-	12:00	12:03	12:17	W 1:22	1:34	1:40	-
-	12:30	12:33	12:47				
-	1:00	1:03	1:17				

Saturda Inbound	y 87			Outbound	t		
Arlington Center	Clarendon Hill	Davis Station	Lechmere Station	Lechmere Station	Davis Station	Clarendon Hill	Arlington Center
-	5:15	5:18	5:31	5:38	5:50	5:55	6:00
-	5:45	5:48	6:02	6:10	6:22	6:27	6:32
6:10	6:15	6:18	6:34	6:40	6:52	6:57	7:02
6:40	6:45	6:48	7:04	7:10	7:23	7:28	7:33
7:10	7:15	7:18	7:34	7:40	7:53	7:58	8:03
7:40	7:45	7:48	8:05	8:10	8:23	8:28	8:33
8:10	8:15	8:18	8:35	8:40	8:56	9:02	9:07
8:40	8:45	8:48	9:05	9:10	9:26	9:32	9:37
9:13	9:19	9:22	9:39	9:35	9:51	9:57	10:02
9:43	9:49	9:52	10:15	10:02	10:18	10:24	10:29
10:10	10:16	10:20	10:43	10:20	10:38	10:44	10:50
10:35	10:41	10:45	11:08	10:47	11:06	11:12	11:18
11:07	11:13	11:17	11:43	11:15	11:34	11:40	11:46
11:35	11:41	11:45	12:11	11:40	11:59	12:05	12:11
12:00	12:06	12:10	12:36 1:01	12:05	12:24	12:30	12:36
12:25	12:31	12:35	1:01	12:30 12:55	12:49	12:55	1:01 1:26
12:50 1:15	12:56 1:21	1:00 1:25	1:24	12:55	1:14 1:39	1:20 1:45	1:26
1:41	1:47	1:51	2:15	1:45	2:04	2:10	2:16
2:06	2:12	2:16	2:15	2:10	2:29	2:35	2:41
2:31	2:37	2:41	3:05	2:35	2:54	3:00	3:06
2:56	3:02	3:06	3:30	3:00	3:19	3:25	3:31
3:21	3:27	3:31	3:55	3:25	3:44	3:50	3:56
3:46	3:52	3:56	4:19	3:50	4:09	4:15	4:21
4:11	4:17	4:21	4:44	4:15	4:34	4:40	4:46
4:36	4:42	4:46	5:09	4:40	4:58	5:04	5:10
5:01	5:07	5:11	5:34	5:05	5:23	5:29	5:35
5:26	5:32	5:36	5:59	5:30	5:48	5:54	6:00
5:51	5:57	6:01	6:24	5:55	6:13	6:19	6:25
6:16	6:22	6:26	6:49	6:20	6:36	6:42	6:48
6:45	6:51	6:55	7:14	6:50	7:05	7:11	7:17
7:25	7:30	7:33	7:51	7:25	7:40	7:46	7:52
8:00	8:05	8:08	8:24	8:05	8:20	8:26	-
-	8:40	8:43	8:59	8:50	9:05	9:11	-
-	9:20	9:23	9:39	9:30	9:45	9:51	-
-	9:57	10:00	10:16	10:05	10:20	10:25	-
-	10:32	10:35	10:51	10:40	10:55	11:00	-
-	11:07	11:10	11:26	11:15	11:30	11:33	-
-	11:40	11:43	11:59	11:50	12:04	12:07	-
-	12:20	12:23	12:37	12:30	12:44	12:47	-
-	12:55	12:58	1:12	W 1:20	1:33	1:36	-

Sunday 87 Inbound	1		Ou	tbound		
Clarendon Hill	Davis Station	Lechmere Station		Lechmere Station	Davis Station	Clarendon Hill
6:00	6:03	6:18		6:38	6:52	6:58
7:00	7:03	7:18		7:38	7:52	7:58
8:00	8:03	8:18		8:38	8:52	8:58
8:55	8:58	9:13		9:35	9:50	9:57
9:30	9:33	9:48		10:15	10:30	10:38
10:05	10:08	10:26		10:55	11:13	11:21
10:45	10:48	11:07		11:35	11:53	12:01
11:25	11:29	11:50		12:15	12:33	12:41
12:05 12:45	12:09 12:49	12:30 1:10		12:55 1:35	1:13 1:53	1:21 2:01
12:45	1:2:49	1:10		2:15	2:33	2:01
2:05	2:09	2:30		2:55	2:33 3:13	3:21
2:45	2:49	3:10		3:35	3:53	4:01
3:25	3:29	3:50		4:15	4:33	4:41
4:05	4:09	4:30		4:55	5:13	5:21
4:45	4:49	5:10		5:35	5:53	6:01
5:25	5:29	5:50		6:15	6:33	6:41
6:05	6:09	6:27		7:00	7:18	7:26
6:45	6:49	7:07		7:55	8:12	8:19
7:30	7:33	7:50		8:55	9:10	9:16
8:30	8:33	8:49		9:50	10:03	10:09
9:25	9:28	9:44		10:40	10:53	10:59
10:15	10:18	10:34		11:30	11:43	11:49
11:05	11:08	11:24		12:20	12:32	12:38
11:55	11:58	12:11	W	1:18	1:29	1:35
12:45	12:48	1:01				

waits for last train to arrive station

PM times are bold

Information in this timetable is subject to change without notice. Traffic and weather may affect running times.

Always check bus destination signs before boarding. Some buses may only serve a part, or skip portions of this route.

2022-2023 Holidays

SUN Christmas Day

SAT New Year's Eve

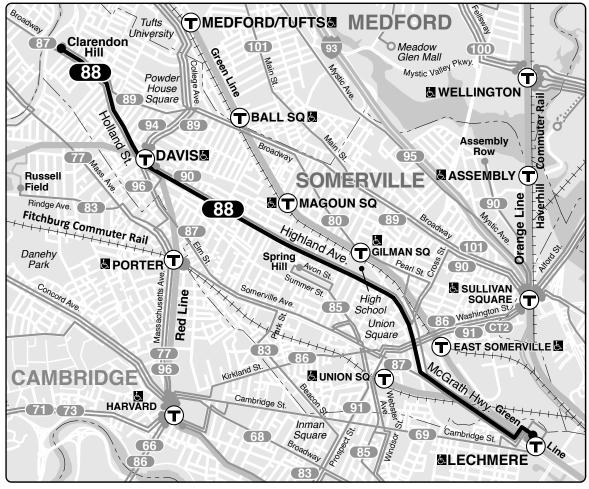
SAT MLK Jr. Day

SAT Presidents' Day

SUN Christmas Day Observed

SUN New Year's Day

SUN New Year's Day Observed



 Transfer to bus/subway available on CharlieCard—good for 2 hours, pay fare difference.

• Children 11 & under ride free with a paying customer.

All MBTA buses are accessible to people with disabilities.

Bus + Subway	\$2.40	\$4.10	\$1.10
Bus	\$1.70	\$1.70	\$0.85
	CharlieCard	Cash on board	Reduced fare

Complete fare/pass rules and free/reduced fare eligibility: mbta.com/fares or call 617-222-3200 Effective **December 18, 2022**

Replaces August 2022

88

Clarendon Hill – Lechmere Sta

Schedule Change - Weekday



Connections

RED LINE

GREEN LINE E



Information **617-222-3200**Lost and Found **617-222-2229**TTY **617-222-5146**

Realtime arrival information, maps, and more

mbta.com

Weekda Inbound	y 88				Outbound	ı		
Clarendon Hill	Davis Station	Somerville High	Lechmere Station		Lechmere Station	Somerville High	Davis Station	Clarendon Hill
5:15	5:18	5:23	5:33		5:37	5:43	5:49	5:55
5:40 6:00	5:43 6:03	5:48 6:12	5:58 6:26		6:04 6:24	6:10 6:30	6:16 6:36	6:22 6:42
6:16	6:19	6:28	6:42		6:44	6:50	6:56	7:02
6:32	6:35	6:44	6:58		7:04	7:11	7:19	7:25
6:48	6:51	7:00	7:14		7:21	7:28	7:36	7:42
7:04	7:07	7:16	7:30		7:38	7:45	7:53	7:59
7:15 7:23	7:18 7:26	7:27 7:35	7:42 7:51		7:56 8:16	8:04 8:24	8:14 8:34	8:23 8:43
7:23	7:41	7:51	8:07		8:38	8:46	8:56	9:05
7:53	7:58	8:10	8:26		9:00	9:07	9:15	9:24
8:11	8:16	8:28	8:44		9:22	9:29	9:37	9:46
8:29	8:34	8:46	9:02		9:43	9:50	9:58	10:07
8:48 9:08	8:53 9:11	9:04 9:22	9:18 9:36		10:10 10:40	10:17 10:47	10:25 10:55	10:34 11:05
9:08	9:32	9:43	9:57		11:10	11:18	11:26	11:36
9:51	9:54	10:05	10:19		11:40	11:48	11:56	12:06
10:20	10:23	10:34	10:48		12:10	12:18	12:26	12:36
10:50	10:53	11:03	11:17		12:40	12:48	12:56	1:06
11:20	11:23	11:33	11:47		1:10	1:18	1:26	1:36
11:50 12:20	11:53 12:23	12:03 12:33	12:17 12:47		1:40 2:10	1:48 2:18	1:56 2:26	2:06 2:36
12:50	12:53	1:03	1:17	ſ	s -	2:35	2:43	2:53
1:20	1:23	1:33	1:47		s -	2:40	2:48	2:58
1:50	1:53	2:03	2:17		2:40	2:48	2:56	3:06
2:13 2:32	2:16 2:35	2:26 2:45	2:40 2:59		3:00 3:20	3:08 3:28	3:16 3:36	3:26 3:46
2:52	2:55	3:05	3:19		3:20	3:48	3:56	4:06
3:12	3:15	3:25	3:39		4:00	4:08	4:16	4:26
3:32	3:35	3:45	3:59		4:20	4:28	4:38	4:50
3:52	3:55	4:05	4:19		4:40	4:49	4:59	5:11
4:10 4:30	4:13 4:33	4:23 4:43	4:37 4:57		5:00 5:20	5:09 5:29	5:19 5:39	5:31 5:51
4:54	4:57	5:07	5:23		5:40	5:49	5:59	6:11
5:14	5:17	5:27	5:43		6:00	6:09	6:19	6:31
5:34	5:37	5:47	6:03		6:20	6:29	6:37	6:45
5:54	5:57	6:07	6:23		6:40	6:47	6:55	7:03
6:14 6:34	6:17 6:37	6:27 6:46	6:41 6:59		7:00 7:20	7:07 7:27	7:15 7:35	7:23 7:43
6:55	6:58	7:05	7:15		7:40	7:47	7:55	8:03
7:15	7:18	7:25	7:35		8:10	8:17	8:25	8:32
7:39	7:42	7:49	7:59		8:40	8:46	8:52	8:58
8:10	8:13	8:20	8:30		9:10	9:16	9:22	9:28
8:40 9:10	8:43 9:13	8:50 9:20	9:00 9:30		9:40 10:05	9:46 10:11	9:52 10:17	9:58 10:23
9:40	9:43	9:50	10:00		10:05	10:41	10:17	10:23
10:10	10:13	10:20	10:30		11:07	11:13	11:19	11:25
10:42	10:45	10:52	11:02		11:39	11:45	11:51	11:57
11:14	11:17	11:24	11:34		12:10	12:16	12:21	12:27
11:45 12:15	11:48 12:18	11:55 12:23	12:05 12:33	ſ	12:40 w 1:22	12:46 1:28	12:51 1:33	12:57 1:39
12:50	12:53	12:58	1:08	·		25		

Outbound	
Lechmere Station Somerville High Davis Station	Clarendon Hill
5:55 6:01 6:07 6:25 6:31 6:37 6:55 7:01 7:07 7:25 7:31 7:37 7:55 8:01 8:07 8:25 8:31 8:39 8:55 9:01 9:09 9:25 9:31 9:39 9:55 10:02 10:11 10:30 10:37 10:46 11:05 11:12 11:21	6:12 6:42 7:12 7:42 8:12 8:45 9:15 9:45 10:17 10:52 11:27
11:55 12:02 12:11 12:20 12:27 12:36 12:45 12:52 1:01 1:10 1:17 1:26 1:35 1:42 1:51 2:00 2:07 2:16 2:25 2:32 2:41 2:50 2:57 3:06 3:15 3:22 3:30	12:17 12:42 1:07 1:32 1:57 2:22 2:47 3:12 3:36
4:05 4:12 4:20 4:30 4:37 4:45 4:55 5:02 5:10 5:20 5:27 5:35 5:45 5:52 6:00 6:10 6:17 6:25 6:35 6:42 6:50 7:05 7:12 7:20 7:45 7:51 7:59	4:01 4:26 4:51 5:16 5:41 6:06 6:31 6:56 7:26 8:05
9:10 9:16 9:23 9:50 9:56 10:03 10:25 10:31 10:38 11:00 11:06 11:13 11:35 11:41 11:48 12:10 12:16 12:23 12:45 12:50 12:57 № 1:20 1:25 1:32	9:29 10:08 10:43 11:18 11:51 12:26 1:00 1:35
	Section Sect

Sunday 88 Inbound					Outbound	I		
Clarendon Hill	Davis Station	Somerville High	Lechmere Station		Lechmere Station	Somerville High	Davis Station	Clarendon Hill
6:40	6:43	6:49	6:58		6:20	6:26	6:32	6:38
7:40	7:43	7:49	7:58		7:20	7:26	7:32	7:38
8:40	8:43	8:49	8:58		8:20	8:26	8:32	8:38
9:10	9:13	9:19	9:29		9:15	9:22	9:28	9:35
9:45	9:48	9:54	10:05		9:57	10:04	10:10	10:17
10:25	10:28	10:35	10:46		10:37	10:44	10:51	10:59
11:05	11:09	11:17	11:29		11:17	11:24	11:32	11:40
11:45	11:49	11:57	12:09		11:57	12:04	12:12	12:20
12:25	12:29	12:37	12:49		12:37	12:44	12:52	1:00
1:05	1:09	1:17	1:29		1:17	1:24	1:32	1:40
1:45	1:49	1:57	2:09		1:57	2:04	2:12	2:20
2:25	2:29	2:37	2:49		2:37	2:44	2:52	3:00
3:05	3:09	3:17	3:29		3:17	3:24	3:32	3:40
3:45	3:49	3:57	4:09		3:57	4:04	4:12	4:20
4:25	4:29	4:37	4:49		4:37	4:44	4:52	5:00
5:05	5:09	5:17	5:29		5:17	5:24	5:32	5:40
5:45	5:49	5:57	6:09		5:57	6:04	6:12	6:20
6:25	6:29	6:37	6:49		6:37	6:44	6:52	7:00
7:05	7:08	7:15	7:25		7:30	7:37	7:45	7:53
8:00	8:03	8:10	8:20		8:25	8:32	8:39	8:46
9:00	9:03	9:10	9:20		9:25	9:32	9:37	9:43
9:50	9:53	10:00	10:10		10:15	10:22	10:27	10:33
10:40	10:43	10:48	10:58		11:05	11:12	11:17	11:23
11:30	11:33	11:38	11:48		11:55	12:02	12:07	12:13
12:18	12:21	12:26	12:36		12:40	12:44	12:49	12:55
12:58	1:01	1:06	1:16		₩ 1:18	1:22	1:27	1:33

S runs only on school days

waits for last train to arrive station

PM times are **bold**

Information in this timetable is subject to change without notice. Traffic and weather may affect running times.

2022-2023 Holidays

SUN Christmas Day

SAT New Year's Eve

SAT MLK Jr. Day

SAT Presidents' Day

SUN Christmas Day Observed

SUN New Year's Day

SUN New Year's Day Observed

GM2 Associates, Inc. **Parking Study**

Project Site Location: 20 Medford Street

City: Somerville, MA
Date: Tuesday 3/7/23, Wednesday 3/8/23, Wednesday 3/8/23
Weather: Clear - 35 degrees, Clear - 35 degrees, Clear - 40 degrees

Proj. No.: 2021-024 Sheet No.: Field Tech.: SZ/GS Notes:

							Number of Vehicles Parked			
							Tuesday,	Wednesday,	Wednesday,	
							03/07/2023	03/08/2023	03/08/2023	
	Street	Side	From	То	Parking Type	Total No. of	Night	Morning	Midday	
	Jucci				· · · ·	Spaces	(10:00pm)	(6:00am)	(12:00pm)	
1	Warren Street	Westside	Porter Street	Medford Street	No Parking					
_		Eastside	Porter Street	Medford Street	Permit-Only	4	0	3	5	
		Northside	Medford Street	Windsor Street	No Parking					
2	South Street	Southside	Windsor Street	Medford Street	2-Hour Parking	18	2	3	15	
		Southside	Windsor Street	Medford Street	Permit-Only	15	9	10	12	
3	Bedford Street	Westside	South Street	Porter Street	Permit-Only	4	1	1	3	
_		Eastside	Porter Street	South Street	Unmarked	5	3	4	4	
4	Ward Street	Northside	Medford Street	Harding Street	Permit-Only	9	8	8	9	
Ė	Wara Street	Southside	Medford Street	Harding Street	No Parking					
		Westside	South Street	Dead End	Permit-Only	9	8	8	8	
5	Horace Street		South Street	Dead End	2-Hour Parking	7	2	4	6	
		Eastside	South Street	Dead End	No Parking					
		Westside	53 Harding Street	Ward Street	Permit-Only	5	2	2	5	
6	Harding Street	Westside	53 Harding Street	Ward Street	2-Hour Parking	3	3	3	2	
		Eastside	36 Harding Street	Ward Street	No Parking					
7	Hunting Street	Westside	South Street	39 Hunting Street	No Parking					
_	Trunting Street	Eastside	South Street	39 Hunting Street	2-Hour Parking	5	4	4	4	
8	Earle Street	Westside	End	South Street	No Parking					
	Edite Street	Eastside	South Street	Dead End	No Parking					
9	Willow Street	Westside	South Street	Roosevelt Towers	No Parking					
,	Willow Street	Eastside	Roosevelt Towers	South Street	No Parking		-			
10	Windsor Street	Westside	Windsor Place	Roosevelt Towers	2-Hour Parking	8	0	4	8	
10	vviilusor street	Eastside	Roosevelt Towers	Windsor Place	No Parking					
11	Windsor Place	Northside	Windsor Street	Columbia Street	2-Hour Parking	15	1	12	13	
	Williasof Flace	Southside	Columbia Street	Windsor Street	No Parking					
12	Columbia Street	Westside	Windsor Place	461 Columbia Street	No Parking			3	2	
		Eastside	475 Columbia Street	Windsor Place	2-Hour Parking	13	0	11	12	

		Tuesday,	Wednesday,	Wednesday,	
		03/07/2023	03/08/2023	03/08/2023	
		Night	Morning	Midday	
		(10:00pm)	(6:00am)	(12:00pm)	
Total Permit-Only Parking Spaces			46		
Maximum Number of Vehicles Parked		28	32	42	
Minimum Number of Permit-Only Parking Spaces Available		18	14	4	
Minimum % of Permit-Only Parking Spaces Available		39%	30%	9%	
Total 2-Hour Parking Spaces	es 69				
Maximum Number of Vehicles Parked		12	41	60	
Minimum Number of 2-Hour Parking Spaces Available		57	28	9	
Minimum % of 2-Hour Parking Spaces Available		83%	41%	13%	
Total Parking Spaces		-	115		
Number of Vehicles Parked		40	73	102	
% of Total Parking Spaces Utilized		35%	63%	89%	
Number of Total Parking Spaces Available		<i>75</i>	42	13	