

Sumner Tunnel Update September 2024

September 18, 2024



Table of Contents

- 3. Work Completed
- 5. Traffic Analysis: Travel Times
- 6. Traffic Analysis: Daily Volumes
- 7. Work Ahead
- 9. Upcoming Schedule
- 11. Appendix

Work Completed

3

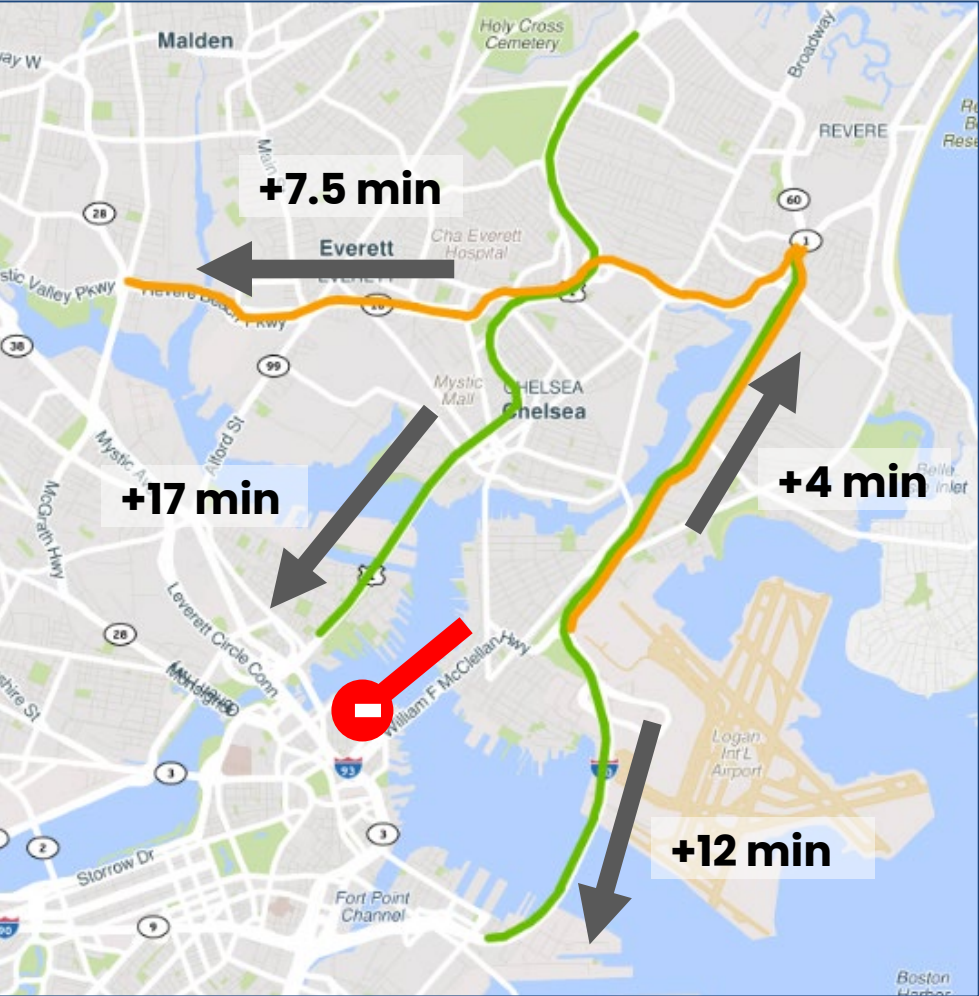


- Major rehabilitation of the concrete roadway inside the tunnel
- Removal of the existing drain inlets and installation of the new bolt-down drain inlets
- Installation of the new asphalt paving mix
- Removal of the existing curbing and installation of new granite curb
- Installation of new fireboard

Work Completed



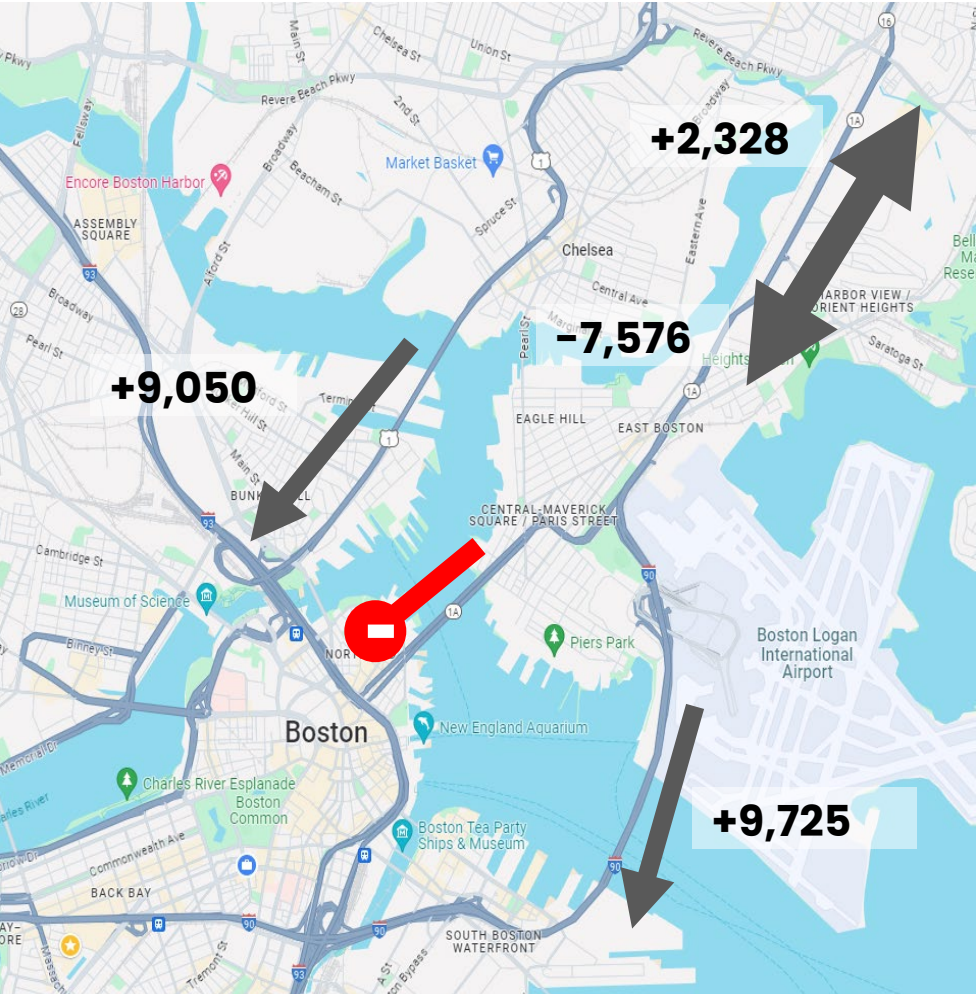
2024 Peak Travel Time Differential



2024 Peak Travel Time Differential Comparison				
Routes	Peak Time	July 2024	August 2024	Differential
Rt 1A SB/I-90 WB, Bell Cr Thru TWT	6:00 AM	22.9	11.1	11.9
	8:00 AM	35.1	18.0	17.2
US 1 SB Copeland to I 93	7:15 AM	21.8	14.4	7.4
MA 16 WB Bell Cr to Wellington Cr	6:45 PM	9.6	5.9	3.7



2024 Daily Volume Differential

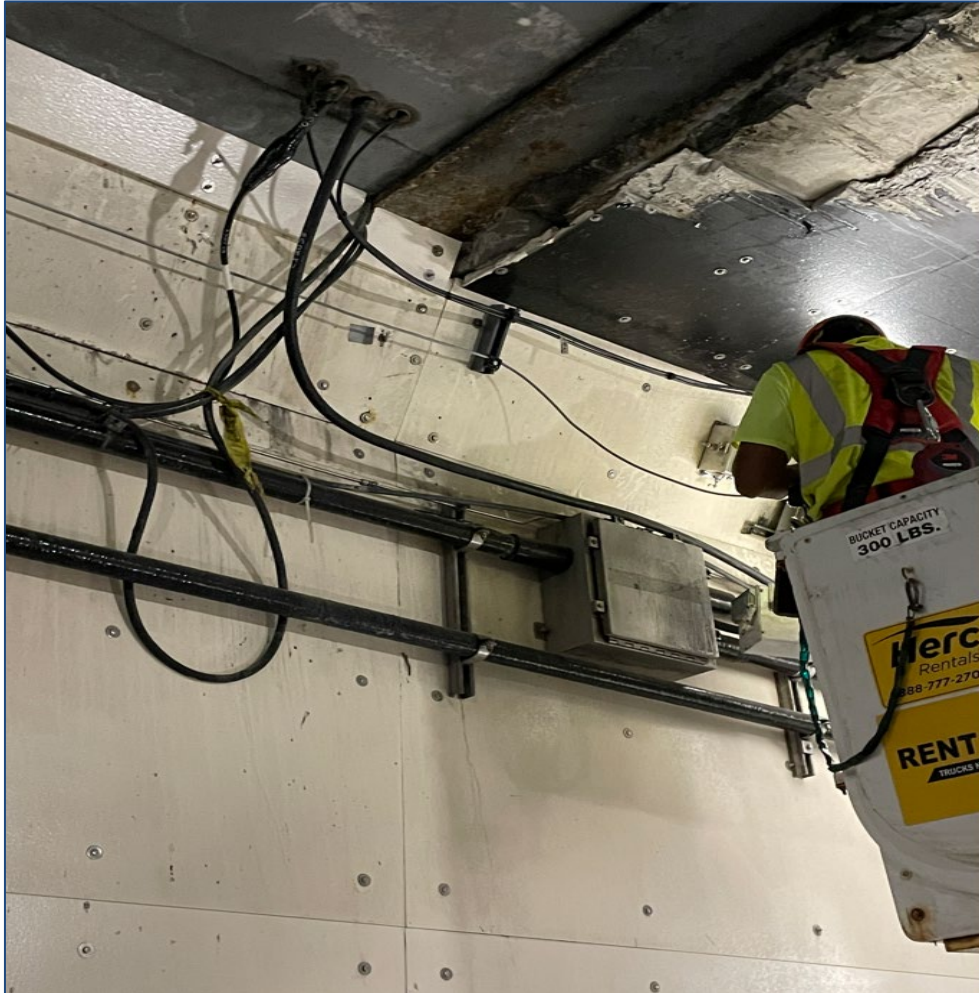


2024 Average Daily Volume Summary

	July 2024	August 2024	Differential
Rt 1A SB, Sumner Tunnel	0	37,370	-37,370
I-90 WB, Ted Williams Tunnel	59,511	49,786	9,725
US 1 SB, Tobin Bridge	51,946	42,897	9,050
Rt 1A NB, Revere	32,483	30,154	2,328
Rt 1A SB, Revere	26,476	34,052	-7,576

Work Ahead

7



- Finish concrete repairs in the supply air-plenum
- Complete installation and final testing of communication cable
- Final cleaning of supple air-plenum
- Installation of new louvers at Vent Building 11
- Installation of the new overhead signage at the East Boston portal and new low clearance signage in the East Boston boat section

Work Ahead

8



- Complete granite cap stone installation on the East Boston boat section
- Replace dewatering and sump pumps
- Remove existing abandoned fiber optic cables
- Final check out/ testing of radio system and CCTV system
- Demobilize

Upcoming Schedule

9



Upcoming Closures-

- Weekend of September 20- CLOSED
- Weekend of September 27- CLOSED
- Weekend of October 5- CLOSED
- Weekend of October 18- CLOSED
- Weekend of October 25- CLOSED

The Contractor & DOT Staff are continuing to evaluate the remaining work to help determine the number of weekend closures that will be needed to complete all work by end of the contract term. The Team is working to get all work complete by end of October.

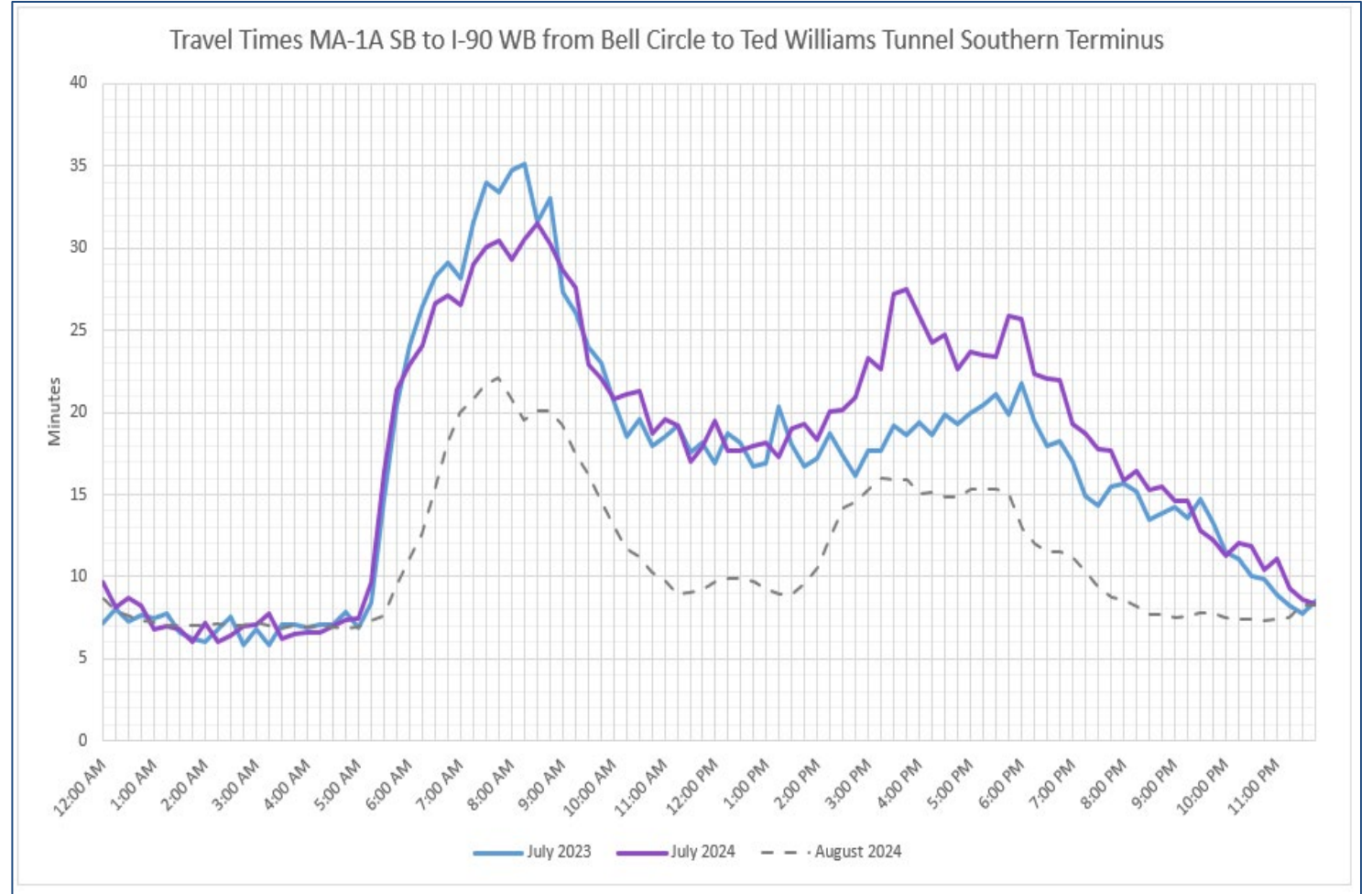
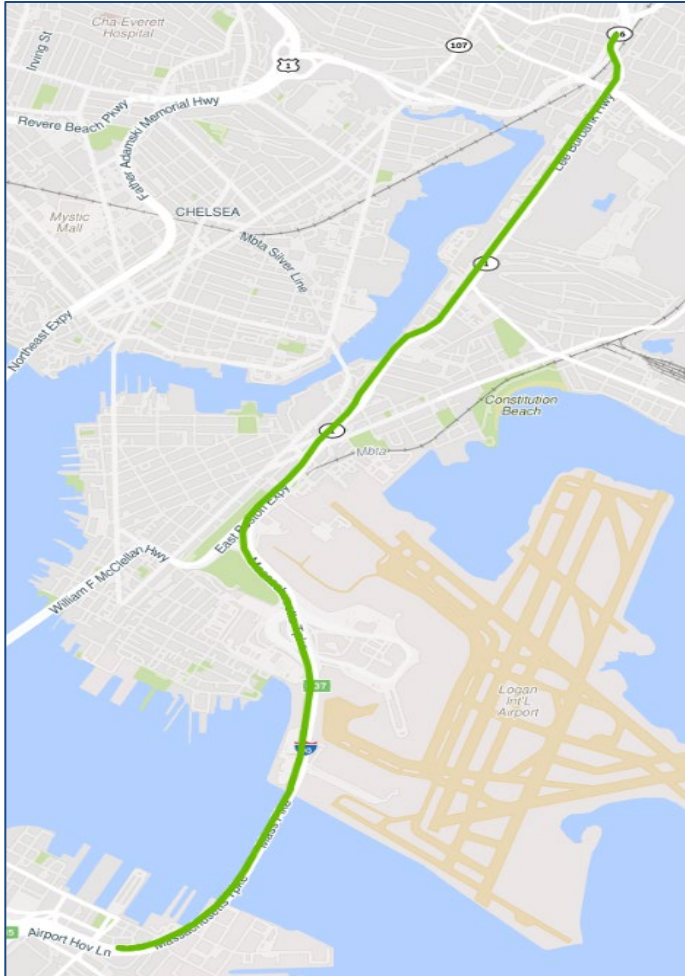
Thank You



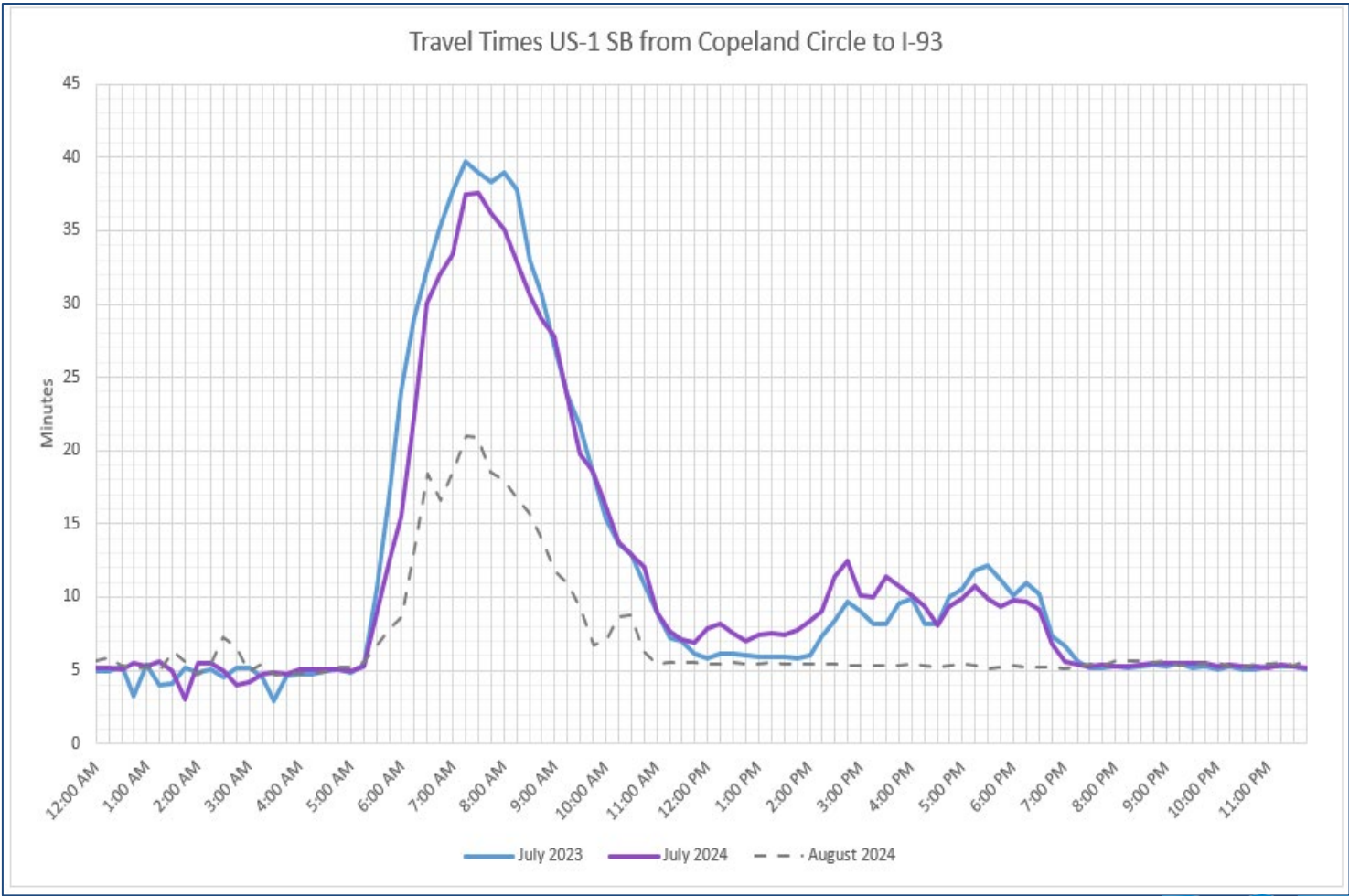
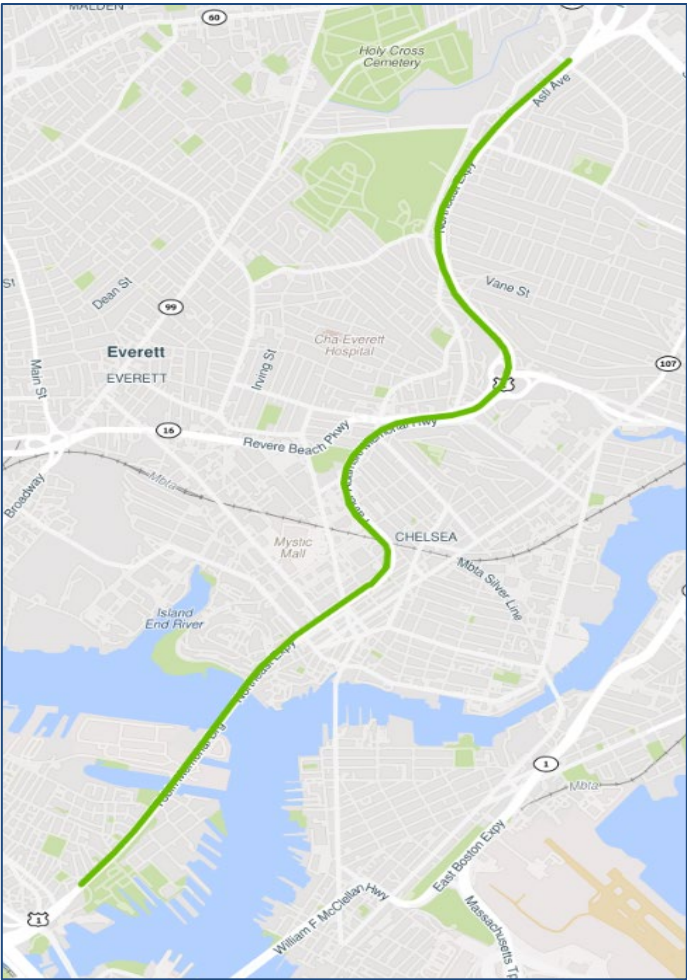
Appendix

MA-1A SB and Ted Williams Tunnel I-90 WB from Bell Circle to Ted Williams Tunnel West Portal

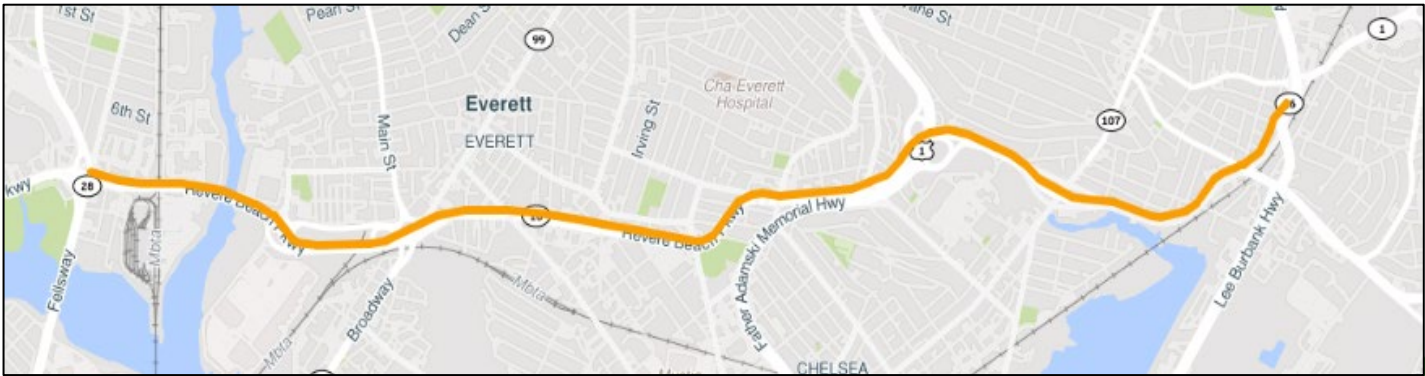
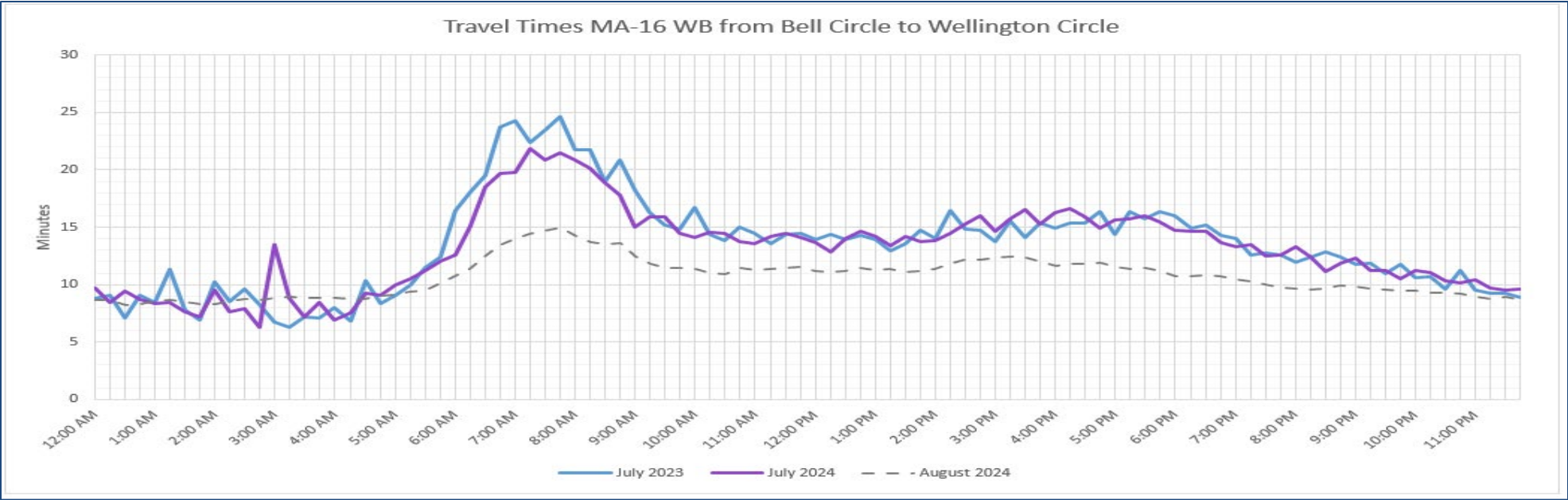
11



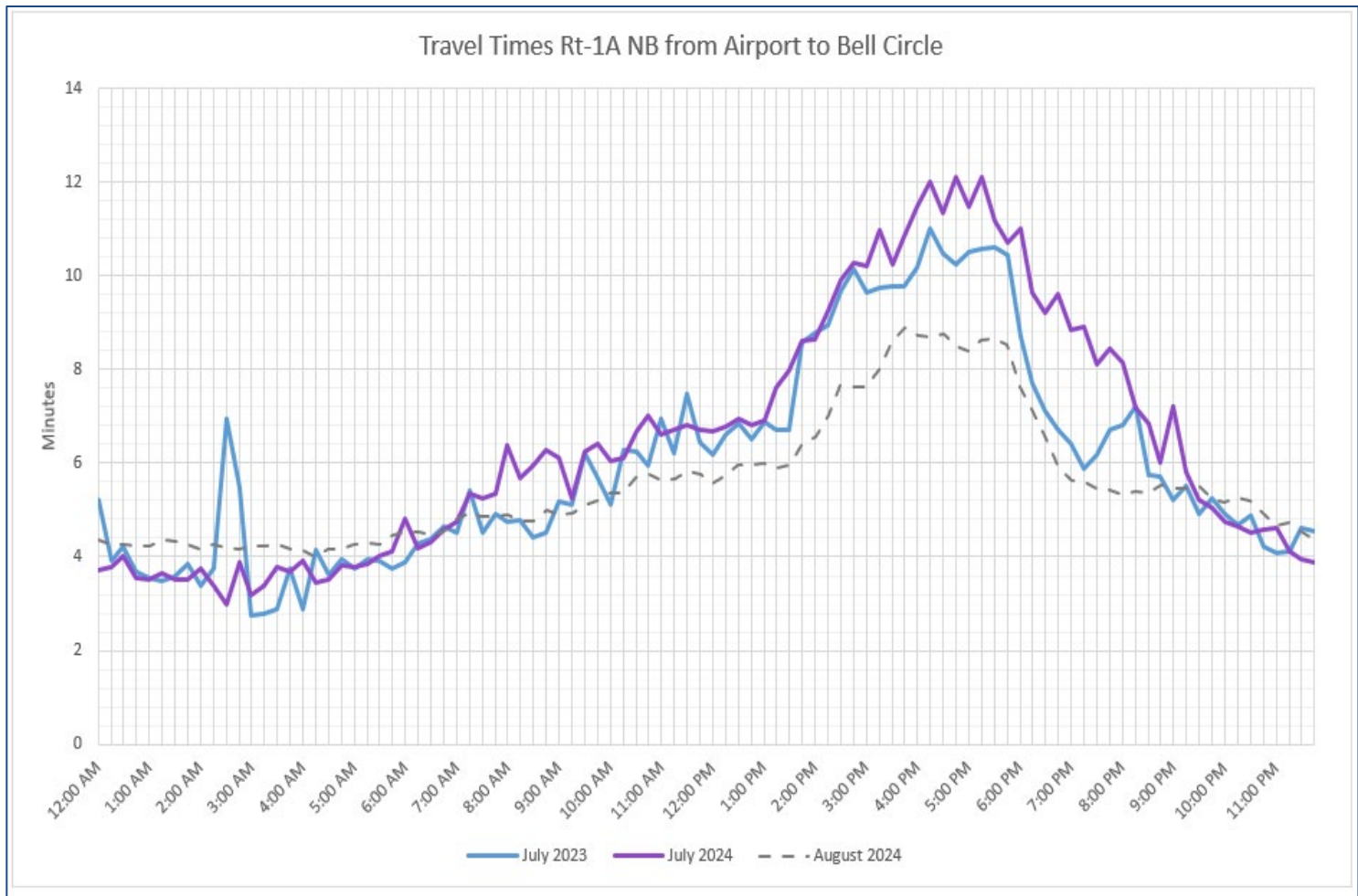
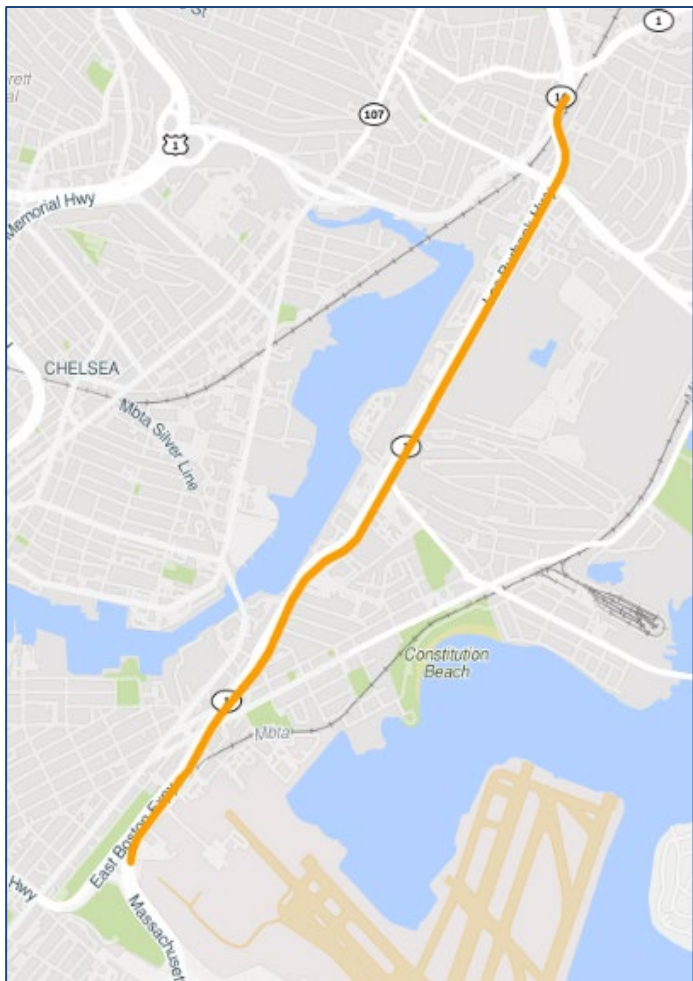
US-1 SB Tobin Bridge – Copeland Circle to I-93



MA-16 WB from MA-1A Bell Circle (Revere) to MA-28 Wellington Circle (Medford)

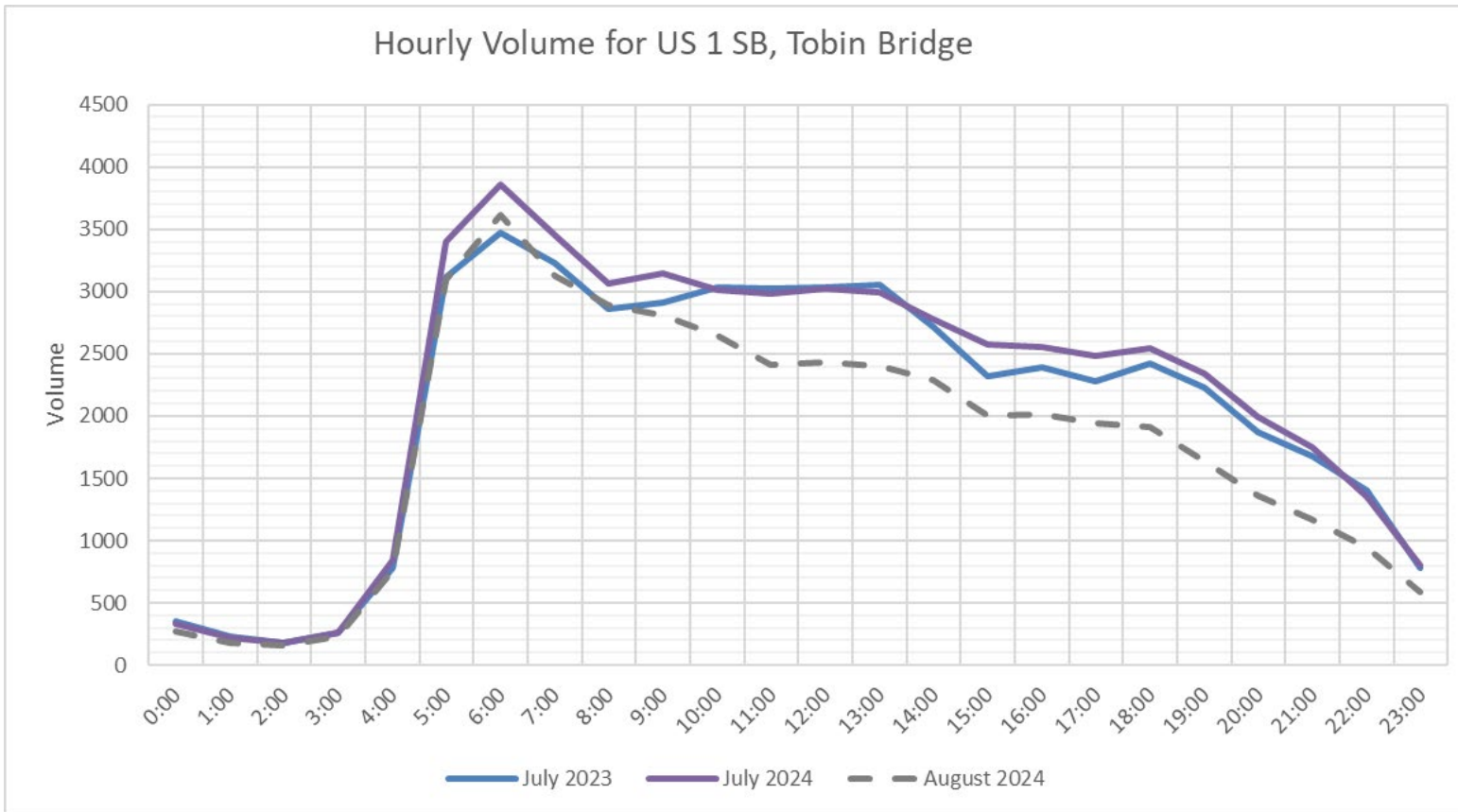


RT-1A NB from Airport to Bell Circle

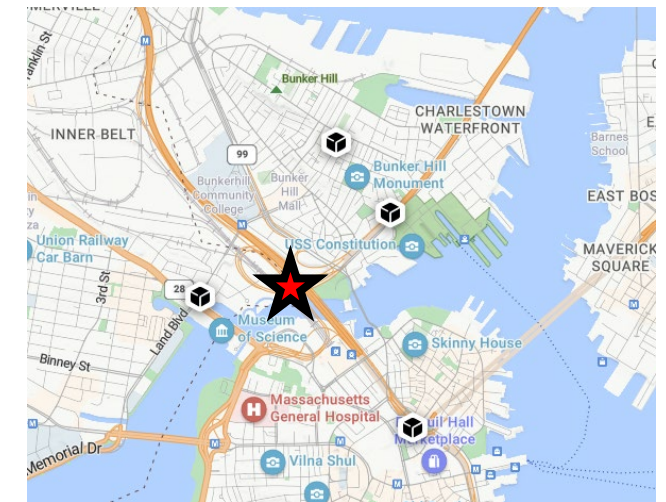


US-1 Volumes AET-15 - SB

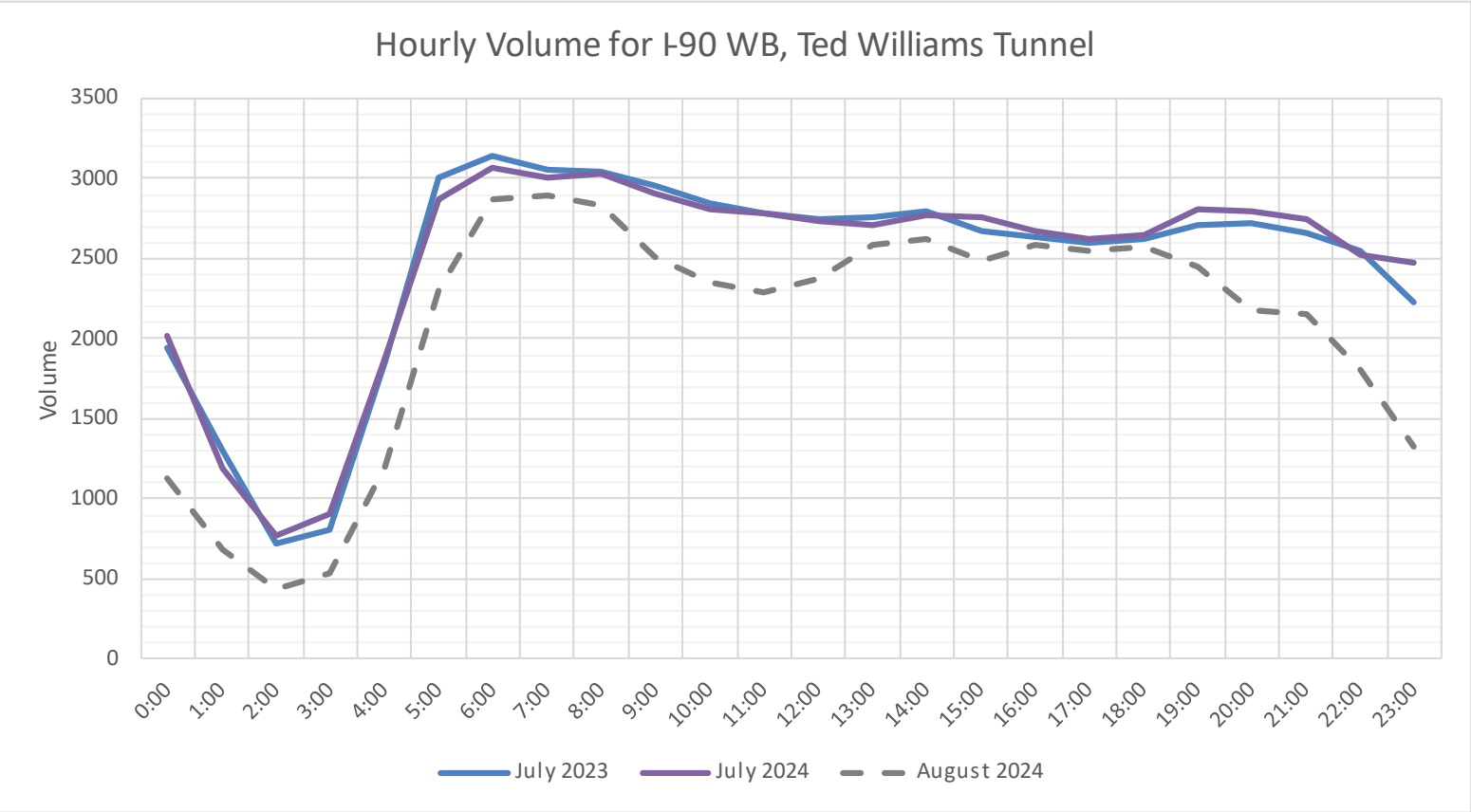
15



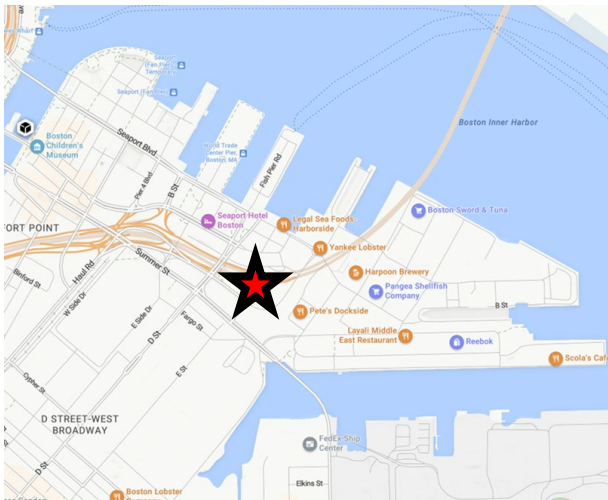
	Average Daily Volume
July 2023	49,601
July 2024	51,946
August 2024	42,897



I-90 Volumes at Ted Williams Tunnel AET-14 – WB

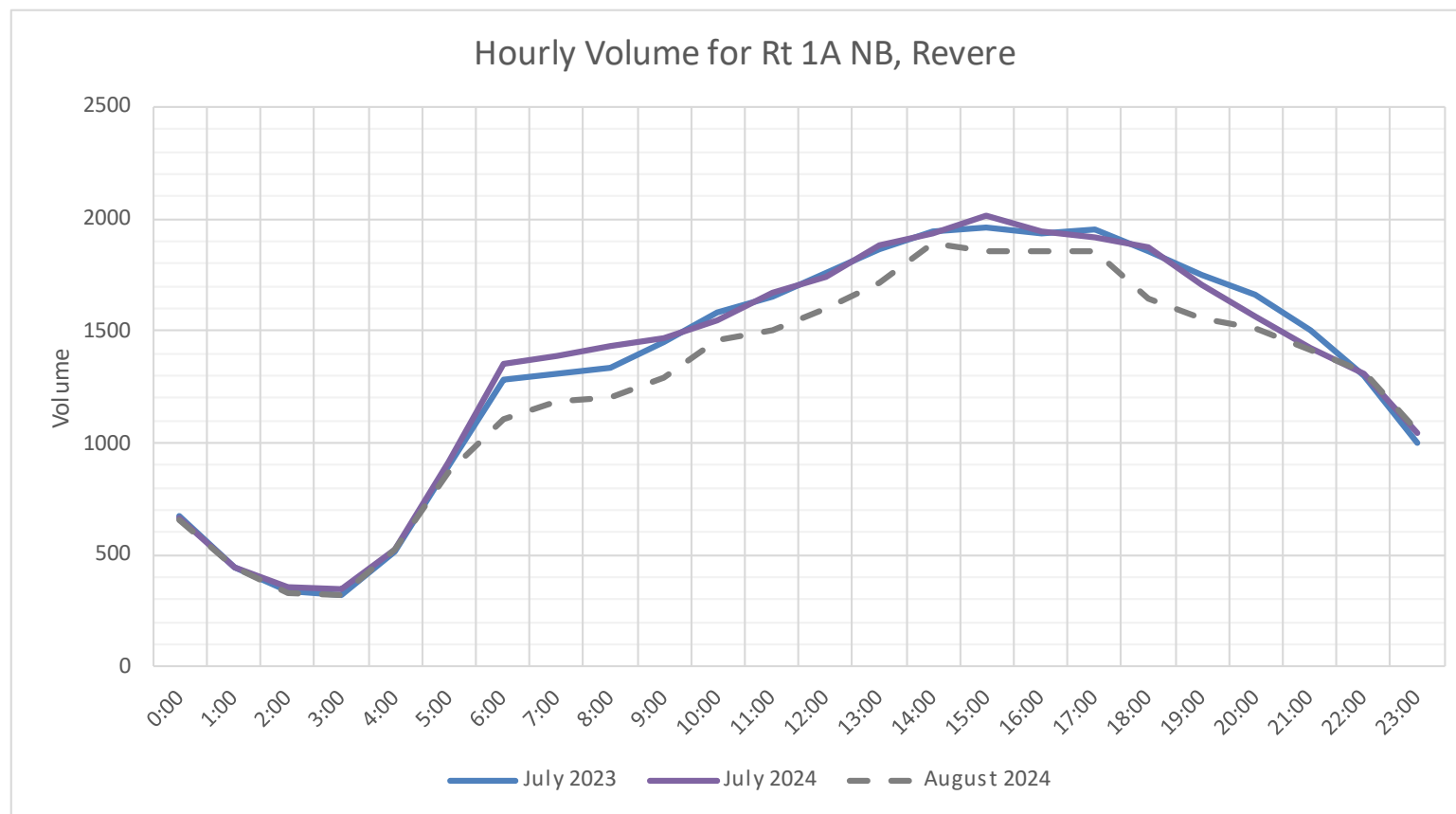


Average Daily Volume	
July 2023	59,140
July 2024	59,511
August 2024	49,786

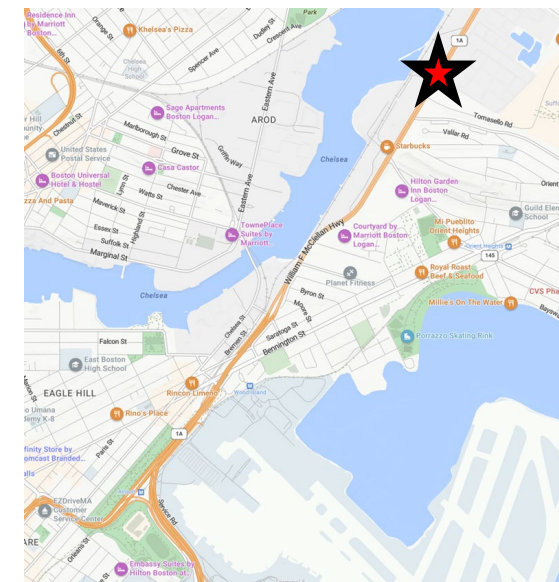


MA-1A Volumes at Shell Gas Station, Revere – Station 8087 – NB

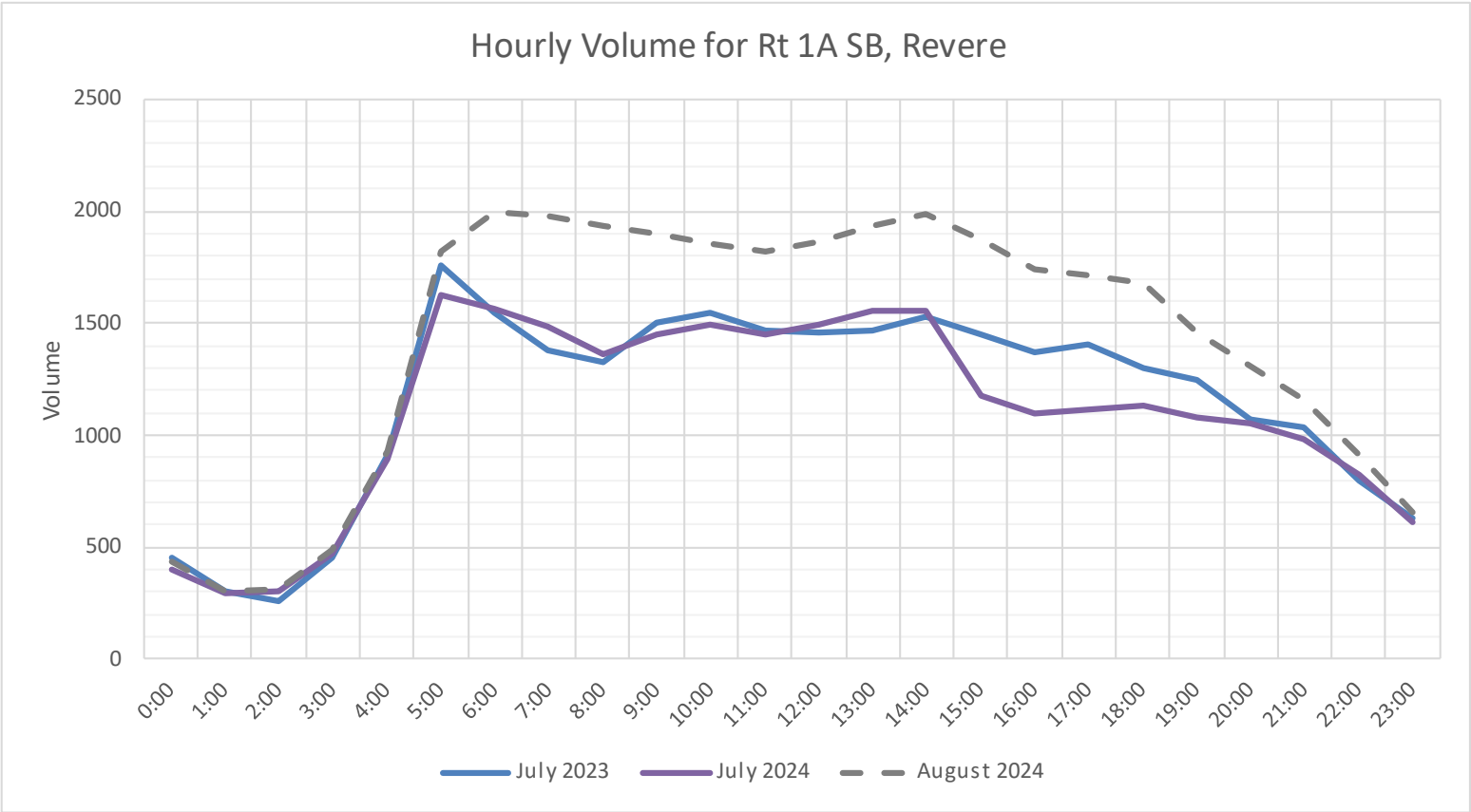
17



Average Daily Volume	
July 2023	32,291
July 2024	32,483
August 2024	30,154



MA-1A Volumes at Shell Gas Station, Revere – Station 8087 – SB



Average Daily Volume	
July 2023	27,666
July 2024	26,476
August 2024	34,052

