

DRAFT

Highway Administrator's Report

Jonathan L. Gulliver
November, 2018

Chapter 90



- Additional \$40 million included in the FY 2019 Supplemental Budget
- Provides every municipality a 20% increase in Chapter 90 funding
- Letters went out to municipalities on October 23, 2018

Snow and Ice 2018-2019



- Perform snow and ice removal on over 15,000 lane miles – plus 66% of DCR operations, including Morrissey Boulevard
- 150 Depots and Salt Storage Locations
- Over 700 personnel ready to respond with 1,500 vendors
- Over 3,800 vendor equipment with an additional 500 MassDOT pieces of equipment
- Hiring 50 temporary workers to support operations

Snow and Ice GPS and Materials

Adding GPS

- 1,133 plug-in devices will be in all spreader/plow combos
- Will track routes and timing of plow batteries to optimize future routes



Materials:

Salt:

- 72.3% of capacity is on-hand
 - 343,150 tons statewide capacity
 - 248,100 tons on-hand
 - Will be at 80% by Thanksgiving

Liquid Magnesium:

- 69% of capacity is on-hand
 - 903,159 gal statewide capacity
 - 622,299 gal on-hand



Investment in Pavement 2018 Season

- Over 1 million tons of asphalt placed on Massachusetts roads during the 2018 Construction Season
- MassDOT roadway projects active in over 140 communities across the Commonwealth
- Work on over 500 bridges in 150 communities to improve bridge health through replacement, rehabilitation, preservation and maintenance projects

Holiday Travel

Charlton Gantry

Start Time	Tuesday 11/21/2017	Wednesday 11/22/2017	Thursday 11/23/2017	Friday 11/24/2017	Saturday 11/25/2017	Sunday 11/26/2017	Monday 11/27/2017	Avg	Avg Volume Graph
12:00 AM	983	1901	1683	876	1092	1578	1327	1,349	
1:00 AM	854	1259	1044	605	729	1066	887	921	
2:00 AM	773	1064	888	548	600	726	698	757	
3:00 AM	953	1276	748	688	606	626	813	816	
4:00 AM	1586	1869	932	1001	694	707	1621	1,201	
5:00 AM	3105	3470	1459	1702	1085	1110	3530	2,209	
6:00 AM	4588	4827	2541	2403	1888	1890	5206	3,335	
7:00 AM	5500	5823	4603	3194	3106	3480	6099	4,544	
8:00 AM	5502	6150	7428	4278	4497	6010	5842	5,672	
9:00 AM	5691	6770	9044	6261	7048	8602	6132	7,078	
10:00 AM	6914	7352	9879	8285	8981	10211	6464	8,298	
11:00 AM	7598	8139	9566	9582	9446	9842	6611	8,683	
12:00 PM	7590	8286	9751	9410	9664	10006	6246	8,708	
1:00 PM	8511	7975	8250	9428	9371	9664	6351	8,507	
2:00 PM	8610	7987	4851	8589	9389	9280	6550	7,894	
3:00 PM	8573	8337	3595	8638	9199	8759	6593	7,671	
4:00 PM	6696	8142	4159	7961	8707	8900	6185	7,250	
5:00 PM	8539	7006	5232	7017	7936	8280	5743	7,108	
6:00 PM	7514	6786	6216	5803	7521	9008	4342	6,741	
7:00 PM	6806	7326	6463	4746	7242	8305	3250	6,305	
8:00 PM	6406	6198	5944	4057	6027	7197	2639	5,495	
9:00 PM	5915	4749	4119	3171	5088	5512	2250	4,401	
10:00 PM	3983	3772	2508	2476	3756	3411	1680	3,084	
11:00 PM	2822	2361	1534	1900	2463	2133	1323	2,077	
Total	126012	128825	112437	112619	126135	136303	98382	Avg	
AM Pk Hr	11:00 AM	11:00 AM	10:00 AM	11:00 AM	11:00 AM	10:00 AM	11:00 AM		
AM Peak	7598	8139	9879	9582	9446	10211	6611	8781	
PM Pk Hr	2:00 PM	3:00 PM	12:00 PM	1:00 PM	12:00 PM	12:00 PM	3:00 PM		
PM Peak	8610	8337	9751	9428	9664	10006	6593	8913	
Peak %	6.83%	6.47%	8.79%	8.51%	7.66%	7.49%	6.72%	7.50%	

- Plan ahead
- Tuesday is almost as heavy as Wednesday
- Sunday is the heaviest travel day

Count Start:	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
Start	11/21/2017	11/22/2017	11/23/2017	11/24/2017	11/25/2017	11/26/2017	11/27/2017
End	11/22/2017	11/23/2017	11/24/2017	11/25/2017	11/26/2017	11/27/2017	11/28/2017
24h Total	126012	128825	112437	112619	126135	136303	98382

Whittier Bridge Replacement

- Award Winning
 - Recently awarded the Bridge Project of the Year Award from American Infrastructure Magazine
- Project Highlights
 - \$ 318 million
 - Replaced the Whittier Bridge
 - Widened 4 miles of I-95
 - Constructed the William Lloyd Garrison Trail – the first shared use pathway within an interstate highway layout in the Commonwealth
- Project Team Recognition

