



Moving Together

19



Session 1C

Quick Builds and Pilots to Advance Multimodal Mobility

Amy Getchell

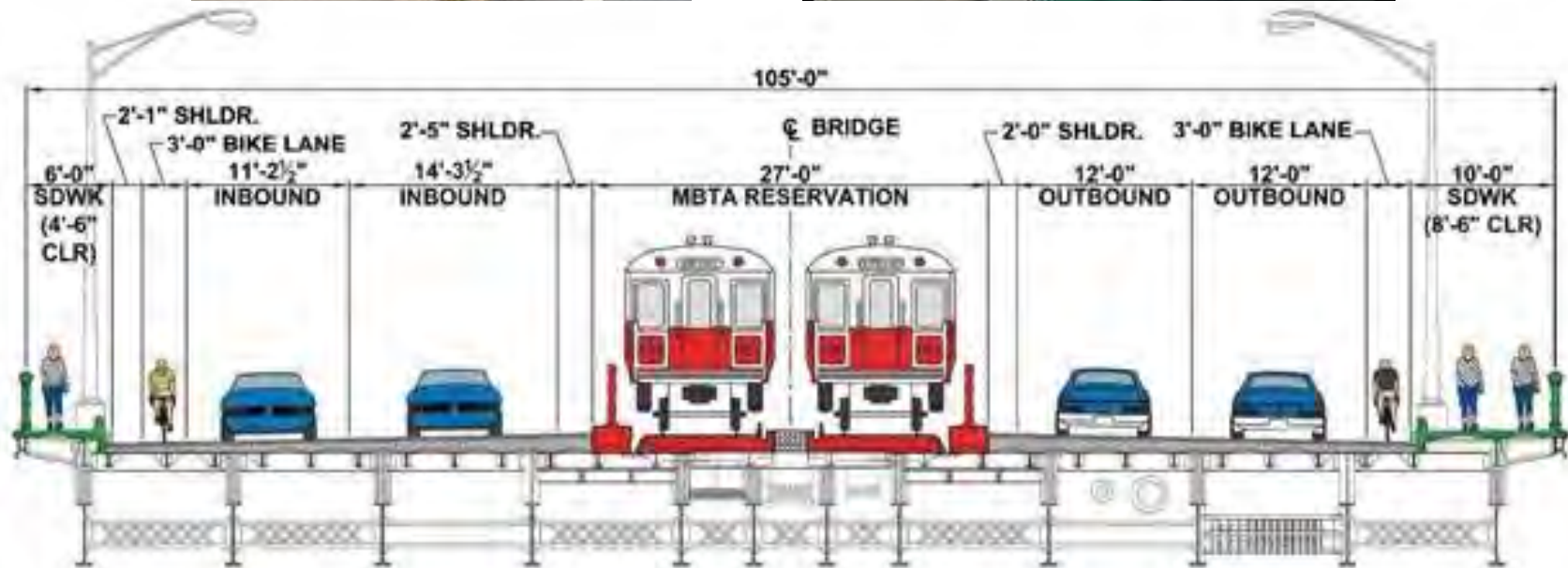
Longfellow Bridge

Post Construction Mobility Analysis

Amy Getchell
MassDOT Highway Division
Traffic and Safety Engineering

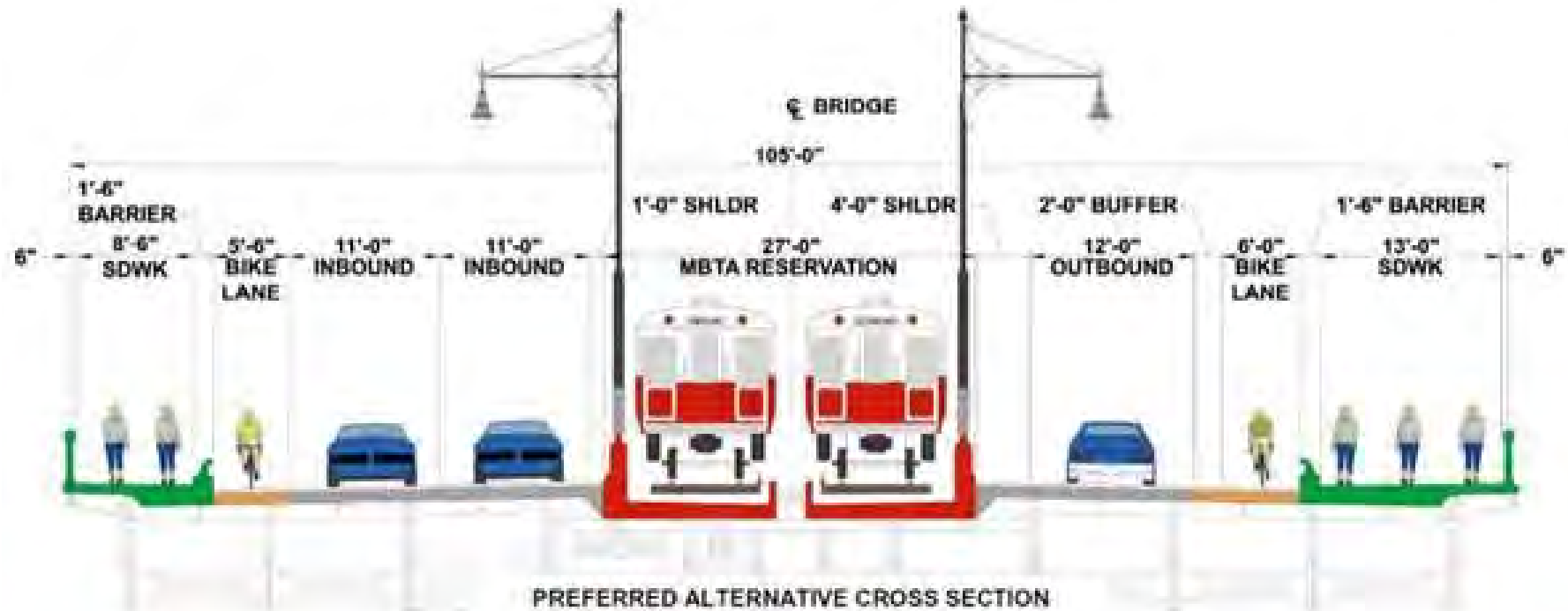
Longfellow Bridge Post Construction Mobility Analysis

Pre-Construction



Longfellow Bridge Post Construction Mobility Analysis

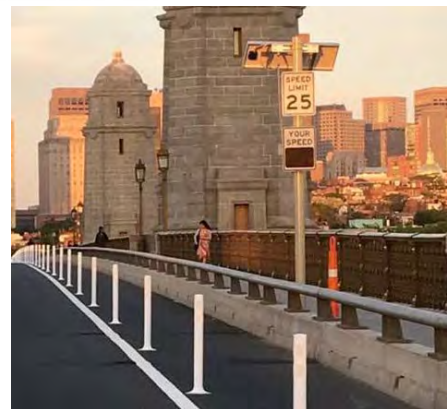
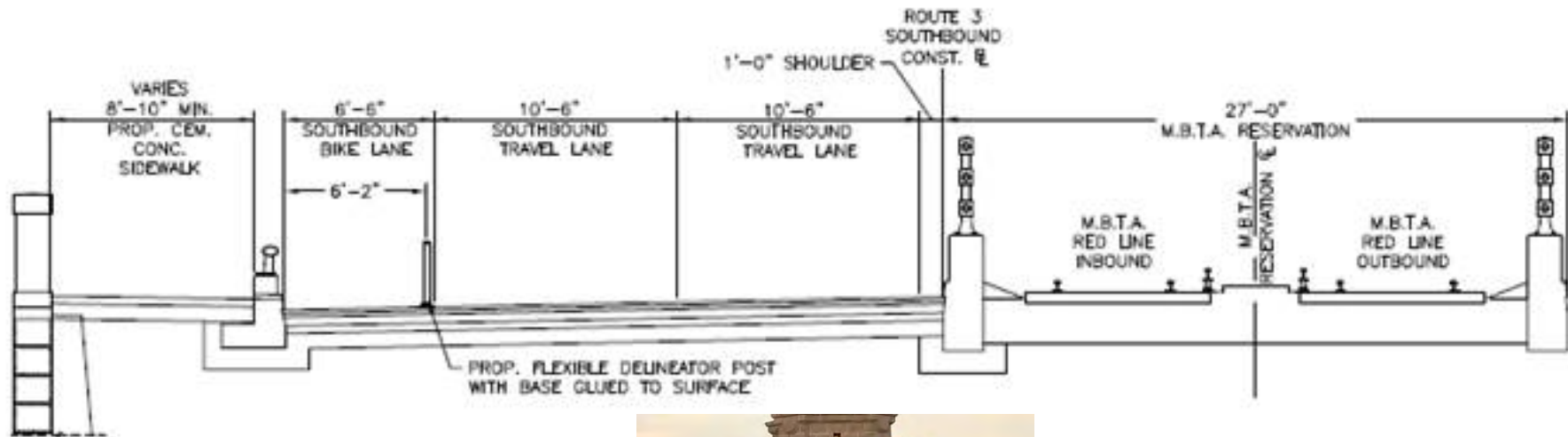
Preferred Alternative from the 2012 NEPA Process



Longfellow Bridge Post Construction Mobility Analysis

Pre-Bridge Opening, Spring 2018

In spring 2018, at the request of area stakeholders, MassDOT reevaluated the final Longfellow plans and identified opportunities to improve mobility for bicyclist.



Longfellow Bridge Post Construction Mobility Analysis

Data Collection – Inbound to Boston

Pre-Construction vehicle, bicycle, pedestrian counts

During Construction vehicle, bicycle counts

Post-construction vehicle counts

- ATR vehicle counts September 2018
- Video vehicle counts March 2019

Post-construction bicycle counts

- ATR bicycle counts September 2018
- Video bicycle counts January 2019
- Video bicycle counts March 2019

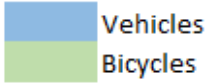
Post-construction speed data

- Speed Reader
- June, July, August, September 2018



Longfellow Bridge Post Construction Mobility Analysis

Data Collection – Inbound to Boston



6am to 10am																										
Totals																										
Monday					Tuesday					Wednesday					Thursday					Friday						
Sep '18		Mar '19		Sep '18			Jan '19			Mar '19			Sep '18		Mar '19		Sep '18			Jan '19			Mar '19			
6:00	249	263	60	19	25	257	287	19	27	31	270	283	33	11	23	241	300	39	5	33	273	280	30	11	22	6:00
7:00	354	531	193	82	96	475	624	75	62	85	442	550	128	33	81	446	512	148	22	101	370	545	117	25	79	7:00
8:00	487	693	354	182	241	617	867	148	134	234	512	771	287	92	226	535	807	287	56	238	474	722	222	85	187	8:00
9:00	638	691	187	-----	157	591	818	102	-----	131	493	835	146	-----	141	511	781	188	-----	147	592	788	164	-----	112	9:00
Total	1728	2178	794	283	519	1940	2596	344	223	481	1717	2439	594	136	471	1733	2400	662	83	519	1709	2335	533	121	400	Total

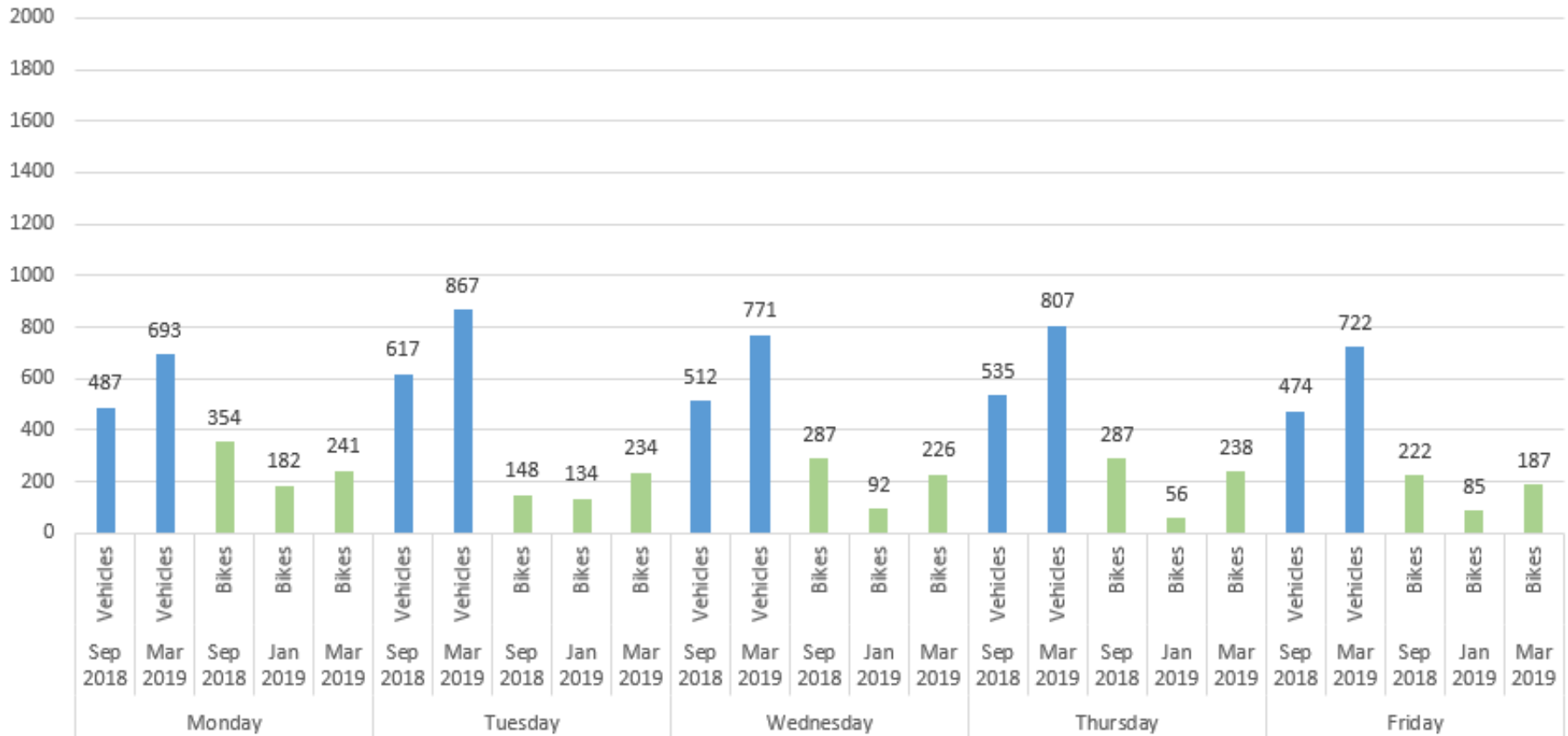
3pm to 7pm																										
Totals																										
Monday					Tuesday					Wednesday					Thursday					Friday						
Sep '18		Mar '19		Sep '18			Jan '19			Mar '19			Sep '18		Mar '19		Sep '18			Jan '19			Mar '19			
3:00	825	872	62	23	14	879	943	25	18	24	813	1169	40	10	19	1023	1277	40	5	13	925	1329	46	6	15	3:00
4:00	998	1029	99	31	41	891	1130	60	34	47	884	1275	75	32	46	1102	1420	67	19	47	1042	1792	75	25	32	4:00
5:00	891	1303	146	36	79	1082	1417	77	46	62	918	1401	107	33	66	1277	1563	119	21	74	1004	1848	80	25	52	5:00
6:00	695	899	80	36	33	790	1058	58	37	41	720	1224	84	26	44	1064	1323	99	16	59	840	1279	52	14	29	6:00
Total	3409	4103	387	126	167	3642	4548	220	135	174	3335	5069	306	101	175	4466	5583	325	61	193	3811	6248	253	70	128	Total

*January 2019 counts do not include the 9:00am to 10:00am hour

Longfellow Bridge Post Construction Mobility Analysis

Data Collection – Inbound to Boston

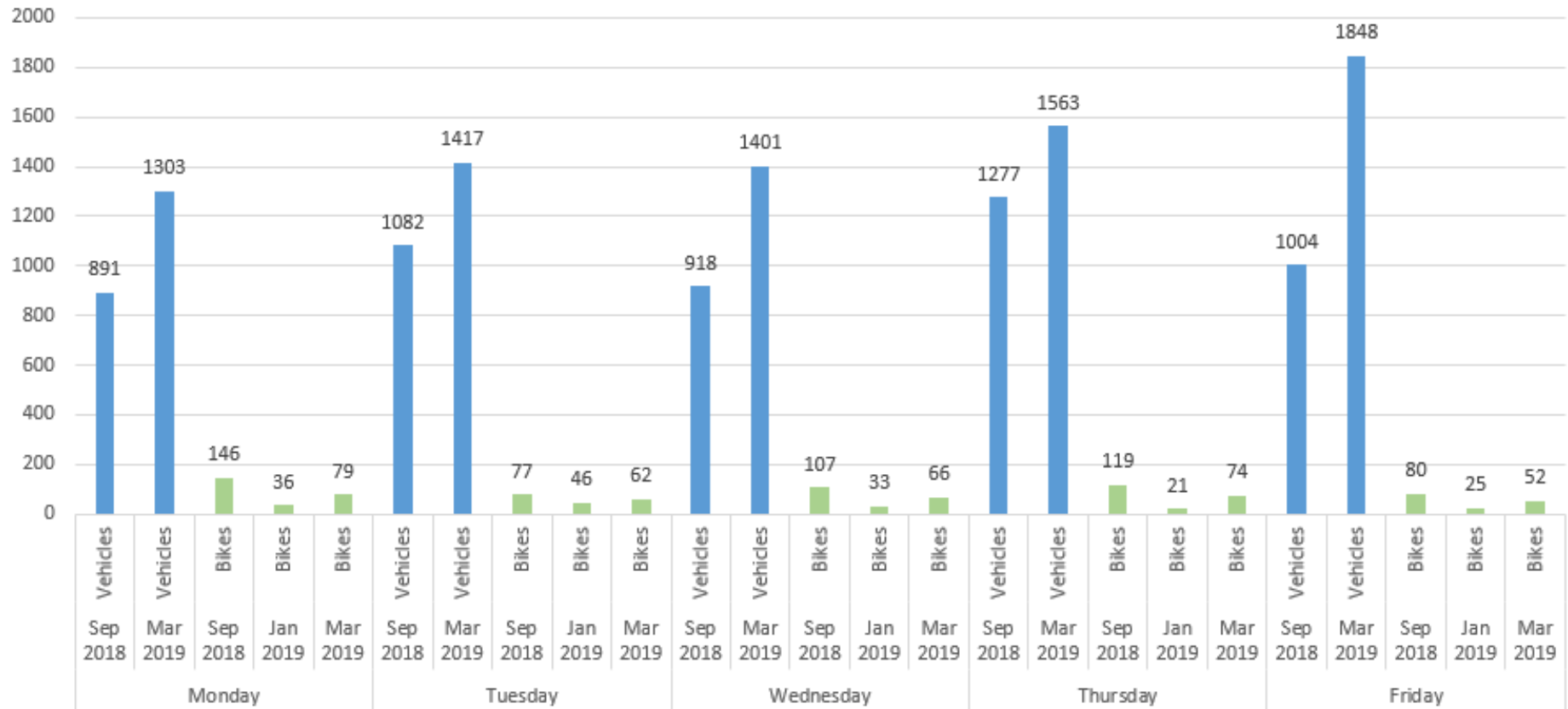
Morning Peak Hour - 8:00 AM



Longfellow Bridge Post Construction Mobility Analysis

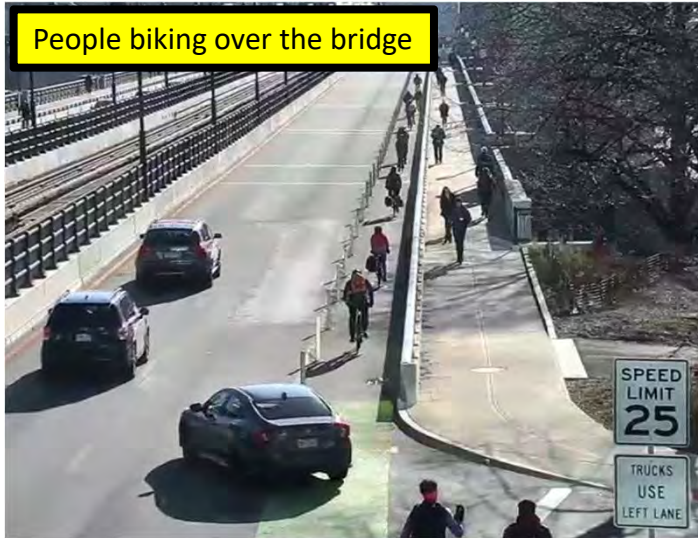
Data Collection – Inbound to Boston

Evening Peak Hour - 5:00 PM



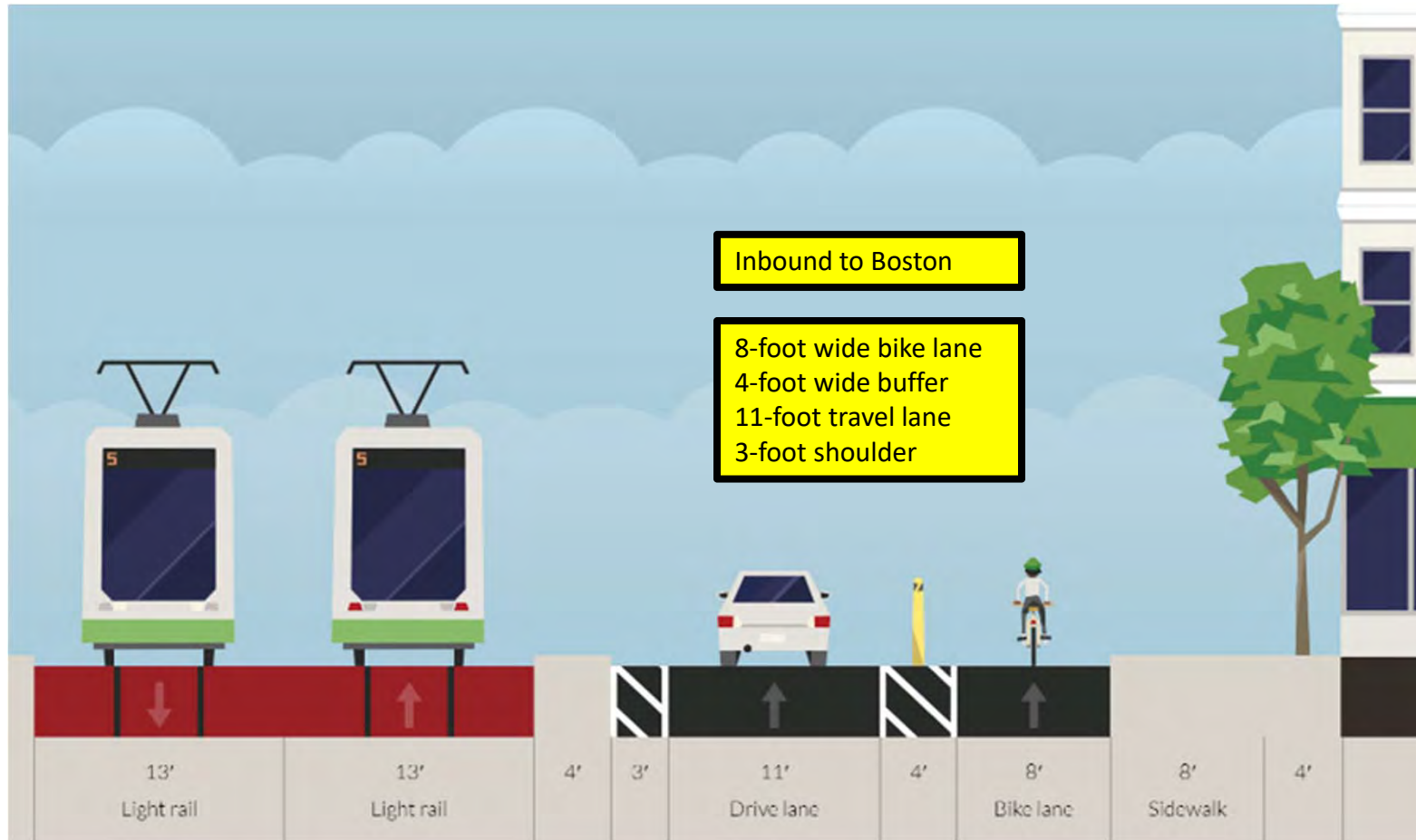
Longfellow Bridge Post Construction Mobility Analysis

Observations



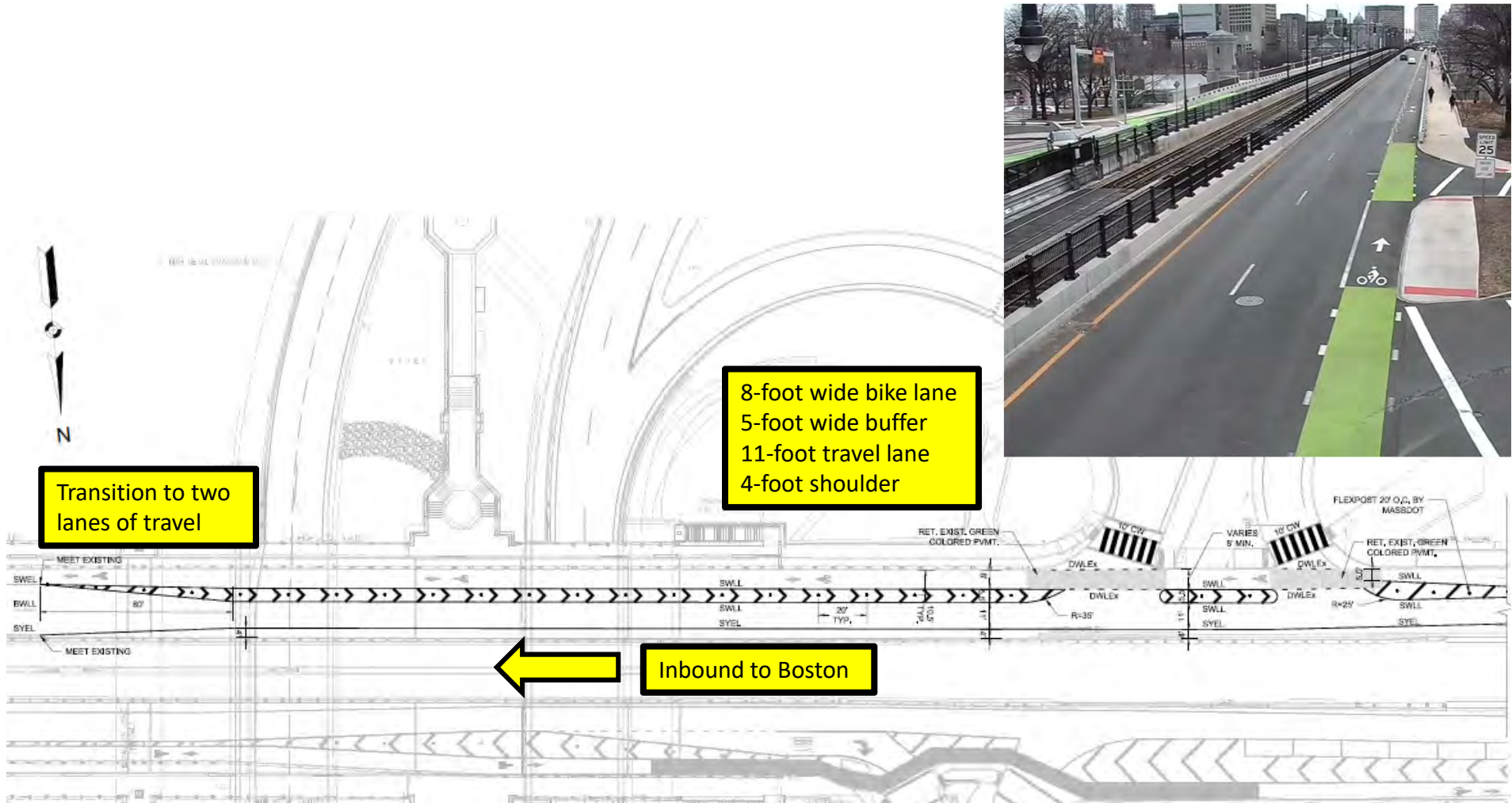
Longfellow Bridge Post Construction Mobility Analysis

Planned Roadway Enhancements - Cambridge



Longfellow Bridge Post Construction Mobility Analysis

Planned Roadway Enhancements – Bridge Approach



Other Charles River Basin Bridge Enhancements

Mass Ave Bridge

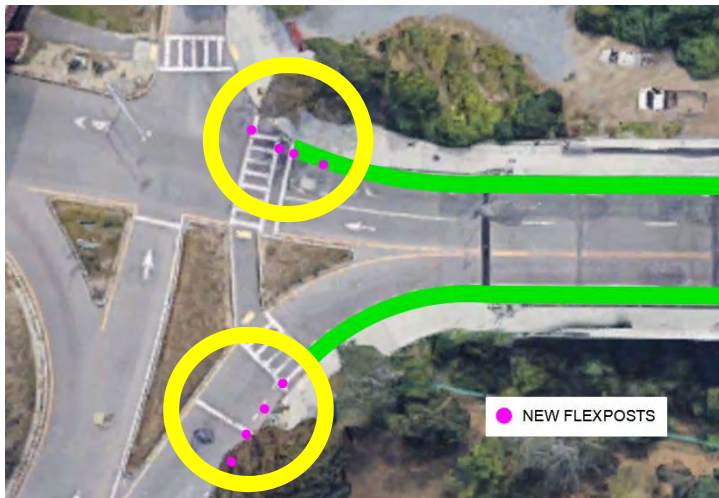
- Addition of speed reader signage

Charles River Dam Road

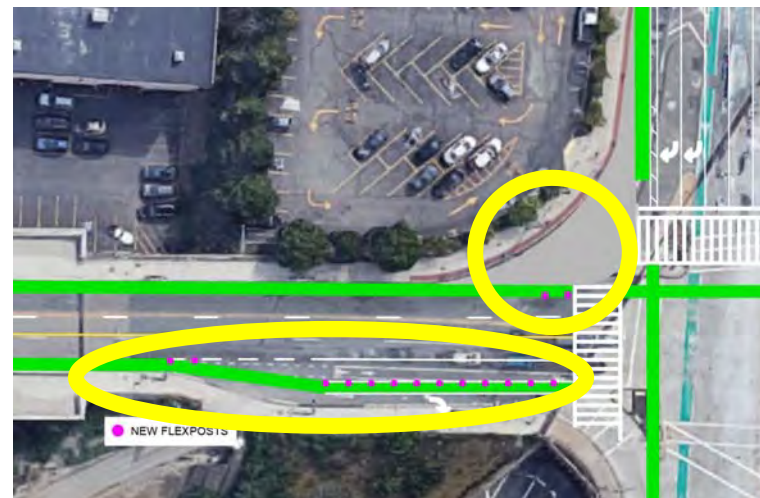
- Full restriping to add a bicycle lane, flex posts and speed reader signage

BU Bridge

- Addition of flex posts at the bridge approaches



BU Bridge – Cambridge Side



BU Bridge – Boston Side

Thank you

Amy Getchell

Amy.Getchell@dot.state.ma.us

Manager of Construction Traffic Management

MassDOT Highway Division – Traffic & Safety Engineering