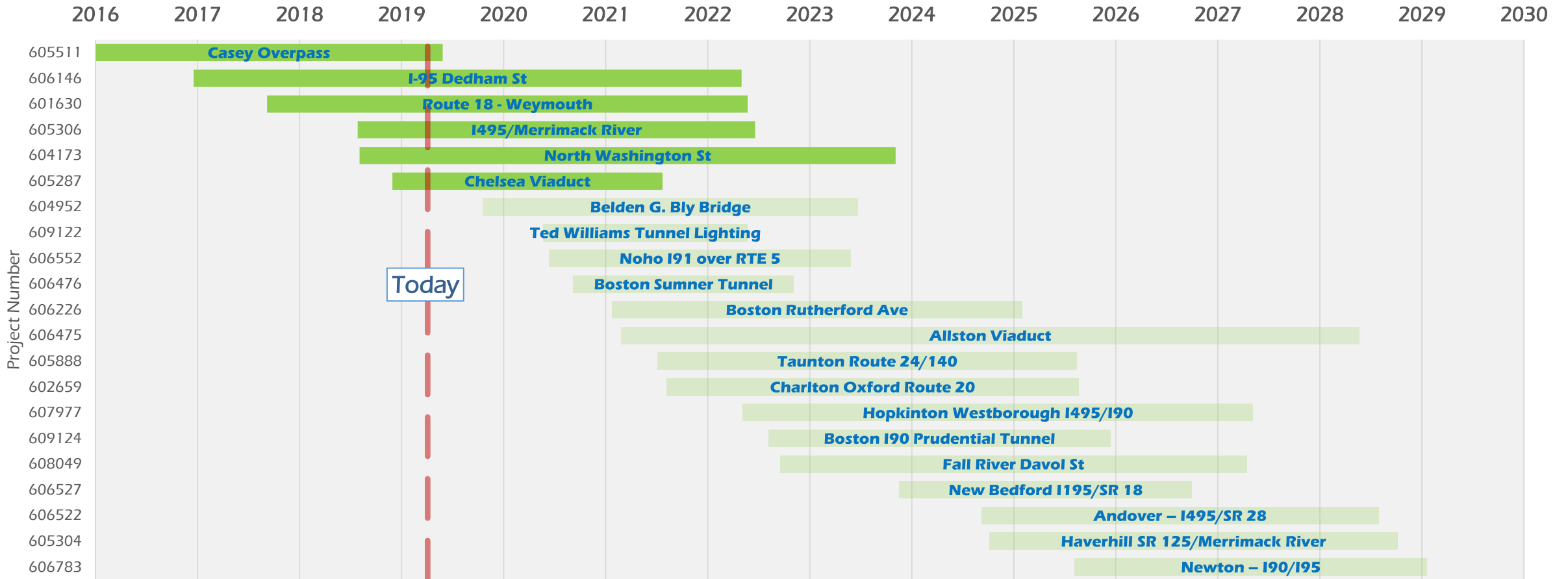


# Highway Division Major Projects Update Capital Program Committee

April 17, 2019

### Highway Division Major Projects



Timing of future projects subject to change

# I-95 Dedham St (606 146/90726)

## Budget Performance

- Projections currently within original Budget (\$51,528,337.27)

## Schedule Performance

- Current Completion Date 5/5/2022 Forecasted Finish: 10/16/2023
- Initial Recovery scheduled rejected by direct office, alternative is under development

### Current Activities

Phase 1 work underway on River and Railroad bridges.  
CIP Retaining walls, utility duct banks and drainage work is ongoing.

### Project Risks

Current contractor schedule forecasts a completion date 529 beyond contractual completion

Delay attributed to unanticipated utility relocations, lack of ROW takings, and lengthy submittal review by Amtrak.

Further delays attributed to anticipated utility relocations continue to be a concern.



Designer	Stantec Inc.
Contractor	SPS NEW ENGLAND INC
Owners Rep.	Richard Littlefield (ExpertCon, Inc.)
NTP	12/22/2016

# Weymouth Route 18 (601630/97936)

## Budget Performance

- Projections currently within original Budget (\$68,712,094.80)

## Schedule Performance

- Contractor schedule forecasts achievement of interim and completion milestones
- Current Completion Date 5/27/2022

**Current Activities** Utility pole installation is complete and OHW transfer is ongoing

The last of the 19 retaining walls, necessary for widening, are under construction

Drainage and Roadway work in Abington and Weymouth is ongoing

**Project Risks** Utility relocation and coordination



Designer	Tetra Tech, Inc.
Contractor	GIOIOSO-D&R JV
Owners Rep.	Paul Tyrell (STV, Inc.)
NTP	9/11/2017

# Haverhill I-495 Bridge Replacement (605306/103045)

## Budget Performance

- Projections currently within original Budget (\$102,628,272.74)

## Schedule Performance

- Contractor schedule forecasts achievement of interim and completion milestones
- Current Completion Date 6/23/2022

**Current Activities**      Installation of Phase 1 substructure elements

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Steel erection to begin in early May.

**Project Risks**      Traffic must be shifted to the new Stage 1 NB structure in October, in advance of the next in-water work-window which begins on November 15<sup>th</sup> 2019.

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By February 28<sup>th</sup> 2020 existing NB superstructure must be removed and the drilled shafts for Phase 2 of the NB bridge must be installed.



<b>Designer</b>	AECOM Technical Services, Inc.
<b>Contractor</b>	SPS NEW ENGLAND INC (D/B)
<b>Owners Rep.</b>	Eric Botterman (Millennium Engineering, Inc.)
<b>NTP</b>	8/1/2018

## North Washington Bridge Project (604173/102269)

### Budget Performance

- Projections currently within original Budget (\$204,385,944.75)

### Schedule Performance

- Current Completion Date 11/7/2023
- Notice to Proceed Date 8/8/2018

**Current Activities** The Contractor is scheduled to continue driving temporary utility bridge piles, substructure repairs at the Warehouse Piers & columns, installation of MBTA conduits and waterline. The contractor is currently waiting for all permits to be approved to start construction of the temp. vehicular bridge.

EverSource is scheduled to continue work for proposed conduit work, National Grid Gas working in laydown area assembling gas pipe supports for the utility bridge.

**Project Risks** Permit amendments required for the Temporary Vehicular Bridge (currently waiting on 4F Di Minimis permit from DCR). Submittals/procurement/fabrication/delivery of temp. bridge.

Extensive utility coordination is critical to keep schedule for utility relocation for the temporary utility bridge.



Designer	Benesch
Contractor	J F WHITE CONTRACTING CO
Owners Rep.	Jeffrey Paul (Stantec, Inc.)
NTP	8/8/2018

## Chelsea Viaduct Rehabilitation (605287/104677)

### Budget Performance

- Projections currently within original Budget (\$196,888,623)

### Schedule Performance

- Contractor schedule forecasts achievement of interim and completion milestones
- Current Completion Date 07/27/2021

#### Current Activities

Contractor is scheduled to continue drainage installation and start underpinning work at Parking Lot L. Vibration monitoring of 17 properties, RTTM deployment, set up painting/blasting at Parking Lot G.

Set up Permanent 1 lane closure Work Zone Route-1 SB starting Late April/ Early May 2019.

#### Project Risks

Timing of the shutdown of EverSource 115kv power transmission lines during construction of the superstructure and deck, Utilities that require relocation that were identified after NTP by the contractor. Currently there are no force accounts for this Contract.

Contaminated Soils Management, aggressive PBU and Structural Steel Fabrication Schedule.



Designer	HNTB CORPORATION
Contractor	Skanska Mccourt III Jv
Owners Rep.	Jeffrey Paul (Stantec, Inc.)
NTP	12/3/2018