

Foster Street Reconstruction

Notice of Intent

Presented by
Fuss & O'Neill

On Behalf of
The Town of Littleton
October 17, 2023

DEP FILE # CE 204-0991

MassDOT #609054

Foster Street Reconstruction Project

Description of the Project Limits

- The project is a linear road reconstruction

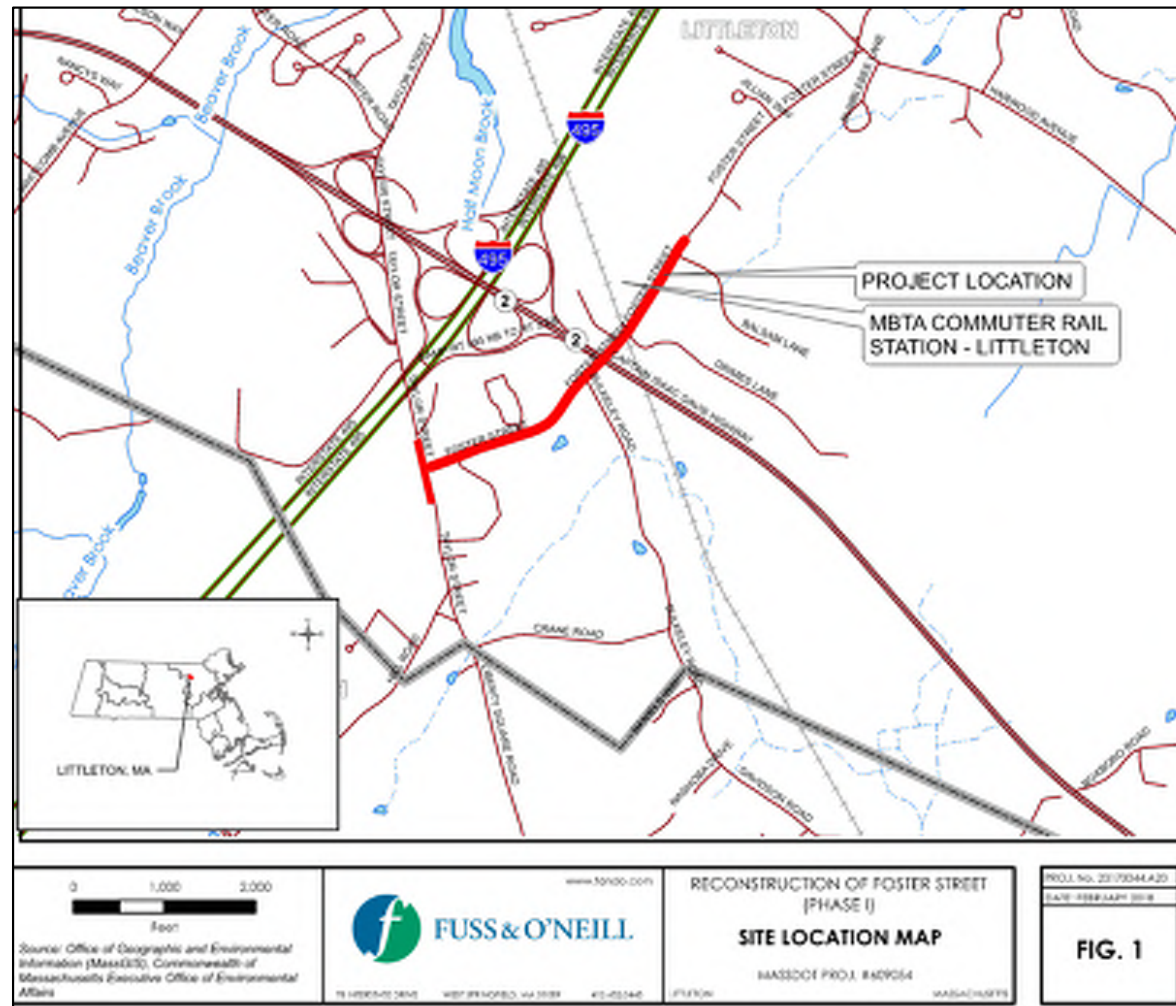
- Total project length = 0.81 mi

Foster Street = 0.75 mi

Taylor Street = 205 ft

Grimes Lane = 145 ft

- Total project work limit area is 5.37 acres



Foster Street Reconstruction Project

Project purpose and need:

- Improve safety for all travel modes on Foster Street.
- While Foster Street is under construction, the Town will also replace the water main underneath Foster Street.



Foster Street Reconstruction Project

Project purpose and need:

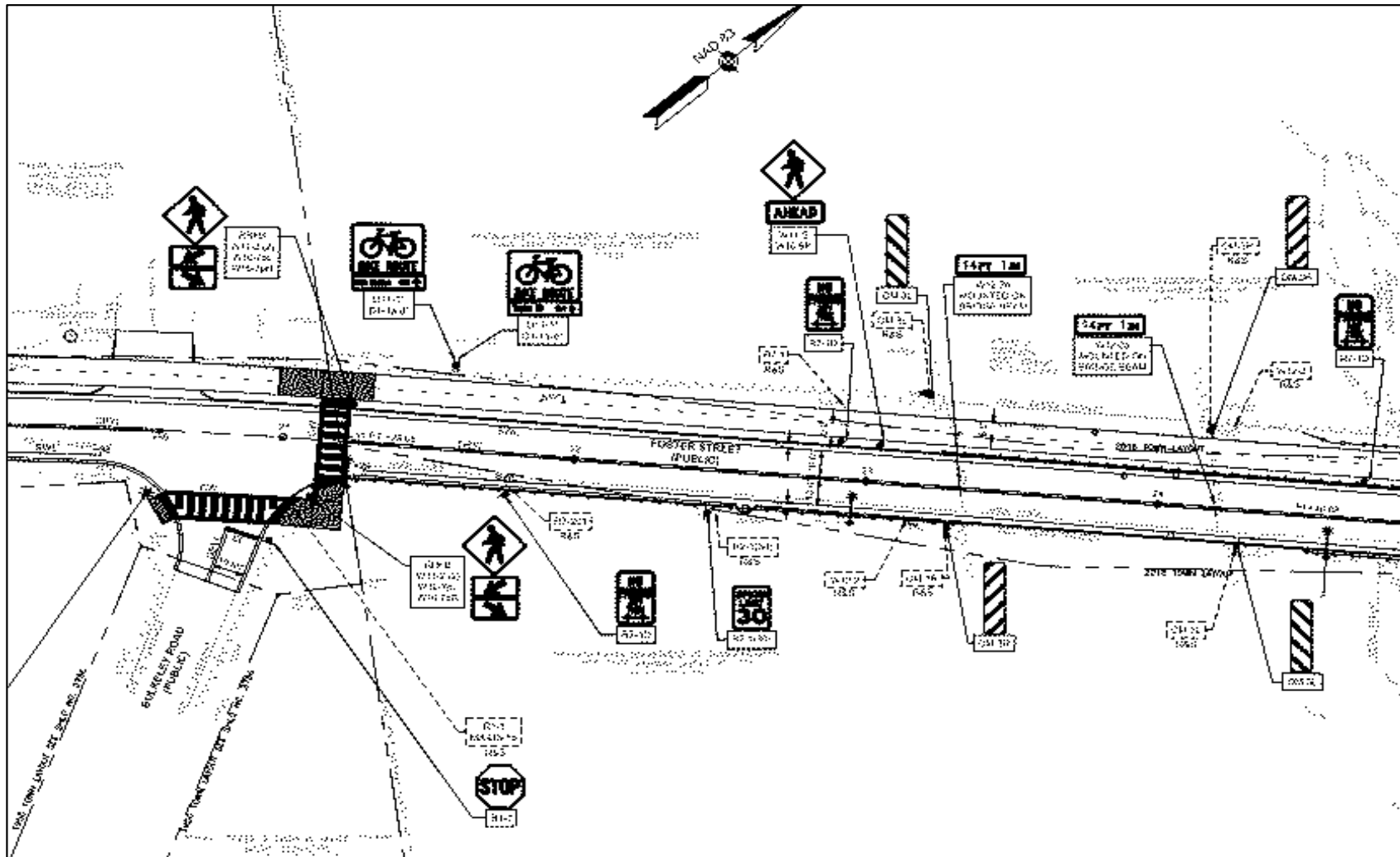
- Realign and improve safety at the Grimes Lane intersection with Foster Street. A notable crash occurred here in January 2018 between a tractor-trailer and MBTA commuter rail train.



Foster Street Reconstruction Project

Proposed work Foster Street:

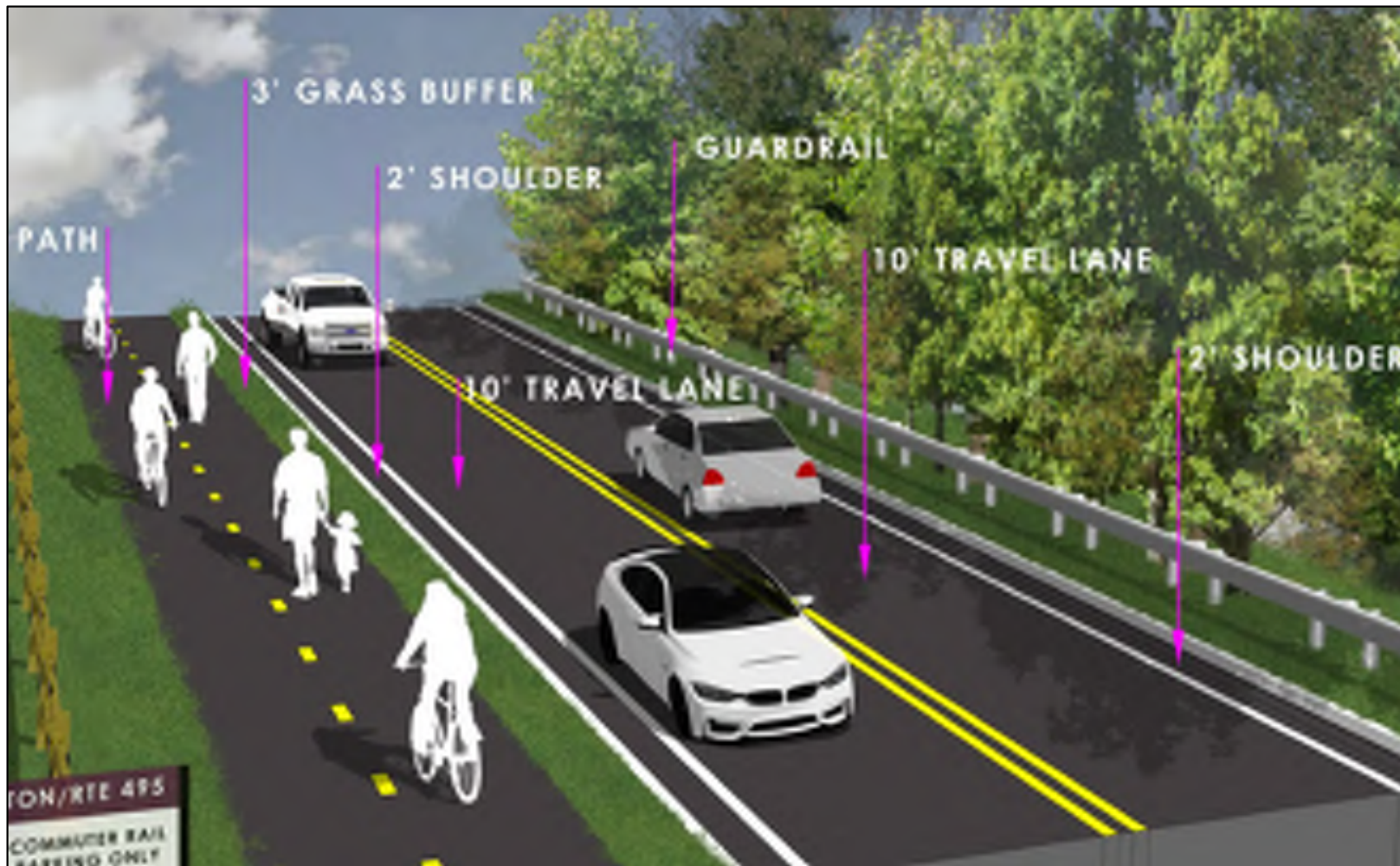
- A Shared-use path, 10ft wide, on the north side of Foster St between Taylor Street and Balsam Lane



Foster Street Reconstruction Project

Proposed work Foster Street:

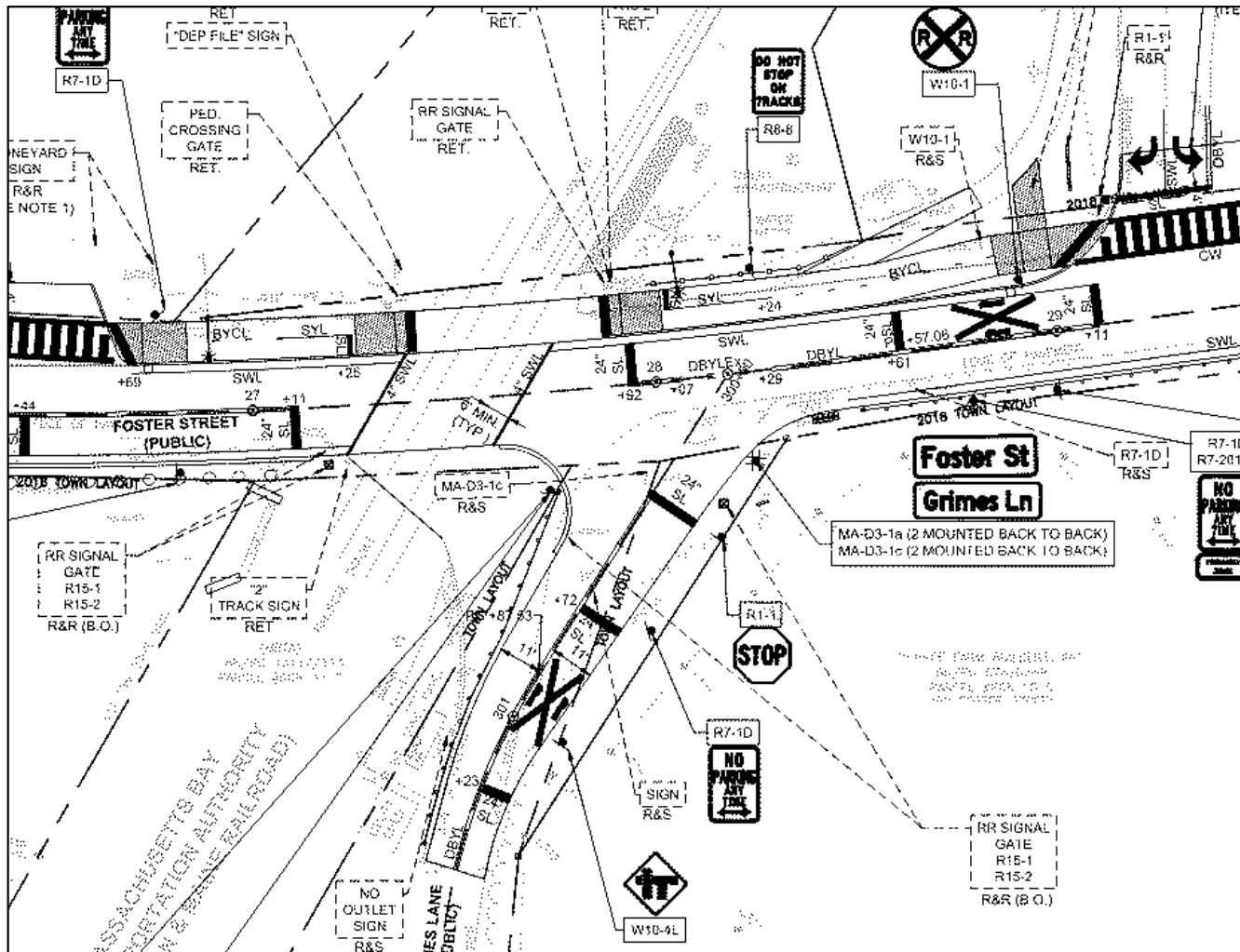
- A Shared-use path, 10ft wide, on the north side of Foster St between Taylor Street and Balsam Lane



Foster Street Reconstruction Project

Proposed work Grimes Lane:

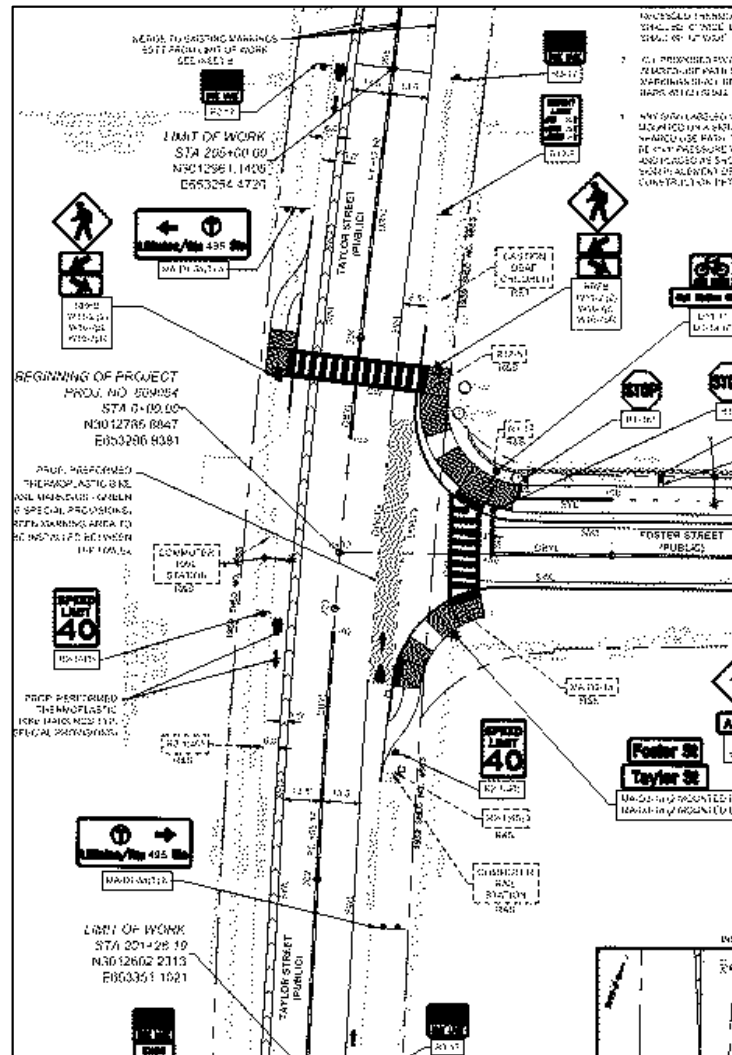
- A realignment of Grimes Lane Intersection with Foster Street



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Proposed work Taylor Street:

-New bike lanes and pedestrian safety features at the Taylor Street intersection with Foster Street



Foster Street Reconstruction Project

Proposed Stormwater Improvements:

(9) Existing catch basins on Foster Street replaced with new deep-sump (4ft) catch basins

(7) Existing catch basins remodeled and repaired

(4) New leaching (impervious) catch basins on Foster Street to convey stormwater runoff into ground infiltration

(3) New deep-sump catch basins on Foster Street

All other existing catch basins in the project limits remaining are to be cleaned at the completion of construction

The rip-rap drainage swale on the frontage of MBTA property will be rebuilt as a rip-rap lined swale with catch basins having the same overall area as existing condition

Foster Street Reconstruction Project

Proposed WPA Resource Area Impacts:

-No direct impacts to Bank, BVW, LUW, RA, or BLSF are proposed

Table 1: Buffer Zone Impacts

100-FT Buffer from BVW or Bank			
Description	Area (SF/AC)	Perm./Temp.	Cause/Descrip. Of Impacts
Total Zone Area in Project Limit	(116,466/ 2.67)	-	-
Existing Impervious	(50,517/ 1.16)	Perm.	Road surface, Sidewalk
Net Change in Impervious	(+15,768/+0.36)	Perm.	Road surface, Shared-use path
Proposed Impervious	(66,285 /1.52)	Perm.	Road surface, Shared-use path
Temp. Impacts	(35,344 / 0.81)	Temp.	Earthwork, grading, grubbing. To be restored with loam & seed

Foster Street Reconstruction Project

-The project is eligible as a limited project under 310 CMR 10.53(3)(f):

“Maintenance and improvement of existing public roadways, but limited to widening less than a single lane, adding shoulders, correcting substandard intersections, and improving inadequate drainage systems.”

-The project proposes to widen Foster Street pavement by 6ft for the shared-use path, a width that is less than one vehicle lane

-The project qualifies as a redevelopment project for stormwater management

Foster Street Reconstruction Project

Impacts under Town of Littleton Wetland Protection Regulations

-The project proposes impacts inside the 50-ft No Disturb Zone

Table 2: 50-ft No Disturbance Zone Impacts

50-FT No Disturb Zone from BVW or Bank

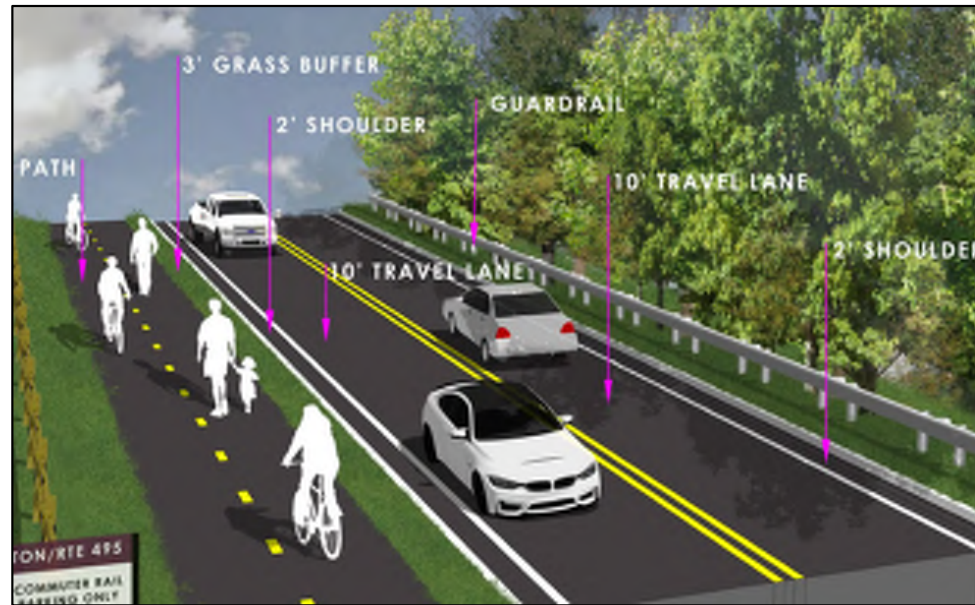
Description	Area (SF/AC)	Perm./Temp.	Cause/Descrip. Of Impacts
Total Zone Area in Project Limit	(45,253 / 1.04)	-	-
Existing Impervious	(14,655 / 0.34)	Perm.	Road surface, Sidewalk
Net Change in Impervious	(+7,499 /+0.17)	Perm.	Road surface, Shared-use path
Proposed Impervious	(22,154 / 0.50)	Perm.	Road surface, Shared-use path
Temp. Impacts	(14,355 / 0.33)	Temp.	Earthwork, grading, grubbing. To be restored with loam & seed

Foster Street Reconstruction Project

The project is seeking a waiver under Section 1.4(2) of the Town Wetland Regulation

- Impact to 50-ft No Disturb Zone was minimized to 3% of total project area
- The proposed impacts are to locations that are already adjacent to an existing roadside
- The preferred alternative widens less than a competing alternative
- Sedimentation and erosion control measures will be implemented during construction
- A mitigating factor is the creation of a new facility for non-motorized travel connecting residential areas to the commuter rail station. The project may result in a reduction in vehicular trips to the station.

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Thank You!

Questions and Comments