



# Public Facilities Committee Report

## City of Newton

### In City Council

**Wednesday, November 7, 2018**

**Present:** Councilors Crossley (Chair), Norton, Leary, Kelley, Gentile, Danberg, Laredo, Lappin, Downs, Noel, Cote, Markiewicz, Grossman, Lipof, Auchincloss, Ciccone, Greenberg, Krintzman

**City Staff Present:** Commissioner of Public Works Jim McGonagle, City Engineer Lou Taverna, Director of Transportation Jason Sobel, Planning Director of Transportation Nicole Freedman, Commissioner of Public Buildings Josh Morse, Co-Director of Sustainability Bill Ferguson, Co-Director of Sustainability Ann Berwick

**#492-18      Complete Streets Update to the Public Facilities Committee**

THE PUBLIC FACILITIES COMMITTEE requesting an update on the Complete Streets Program pursuant to the City's Complete Streets Policy, Section C8.

**Action:**      Public Facilities Held 7-0 (Norton not Voting)

**Referred to Finance and Appropriate Committees**

**#542-18      Submittal of the FY 2020 to FY 2024 Capital Improvement Plan**

HER HONOR THE MAYOR submitting the Fiscal Years 2020 to 2024 Capital Improvement Plan pursuant to section 5-3 of the Newton City Charter.

**Action:**      Public Facilities Held 7-0 (Norton not Voting)

**Note:**      Director of Transportation Nicole Freedman presented the first update on the Complete Streets Program to the Public Facilities and Public Safety and Transportation Committees. Ms. Freedman noted that the Complete Streets Policy requires biannual updates to the Council. Ms. Freedman stated that the Complete Streets Program is a collaborative interdepartmental effort and noted that the Complete Streets Working Group meets twice monthly and includes representatives from all relevant departments and the Transportation Advisory Group Chair Mike Halle. Ms. Freedman explained that the intent of Complete Streets is to create a road network for all users, focusing on safety. Ms. Freedman noted that implementation of the Street Design Guide has been a beneficial tool for the city for objective evaluation of areas in need of work. She demonstrated an overview of the project selection, design review and construction processes. Ms. Freedman's presentation (attached) provides examples of intersections completed, in design and in a pilot that have various treatments which include curb realignment, street width reductions, bump-outs, stormwater treatment, etc. The list shown in the presentation provides decisions made for each area based on the city's analysis. Ms. Freedman confirmed that in each traffic calming situation, Public Works analyzes speed, volume of traffic, crash history and pedestrian trip generators. After the presentation, Councilors asked the following questions.

Q: I didn't see any mention of reducing congestion and an ongoing issue is congestion. What efforts, if any are you doing to alleviate congestion? And how do you assess safety against whether you are reducing congestion?

A: Most of these projects are acute safety issues that must be addressed. Congestion is usually formed at critical signalized intersections. Traffic calming measures may slow down drivers and add 30 seconds, but it typically won't add noticeable trip time. Long term, its difficult to build infrastructure that is going to reduce congestion. We need to make sure that people feel safe walking and biking and focus on reducing single occupancy vehicles. Traffic congestion is a big component of the larger projects. Signal timing can always be fixed. The focus should be on reducing single occupancy vehicle trips. Limiting accidents will help limit the congestion.

Q: On Derby Street in Waltham, will the improvements come before winter?

A: After winter. After the pilot during winter, construction will be during next construction season.

Q: Can you add a flashing speed indicator to slow visitors leaving West Newton Square via Waltham Street?

A: We can look at it. In spring 2019 we will add pedestrian activated crosswalks.

Q: How do you get to the top of the list for traffic calming? How are the projects decided?

A: The prioritization plan includes analysis of traffic volume, crash history and pedestrian generators.

Q: Can the chart of work include budget estimates so we have context when evaluating Traffic Council petitions?

A: Yes.

Q: How does Complete Streets interface with Traffic Council and how should we be navigating that? Where should we send information and who should we be communicating with?

A: It depends on the nature of the issue. The City immediately evaluates the need for all requested traffic calming measures (311, resident, Councilor) and determines the appropriate solution, if any. Simultaneously a neighbor or Councilor can submit a Traffic Council petition requesting a specific solution. Those cannot be done administratively and must go onto a Traffic Council agenda.

Q: What is the most effective way to have something addressed?

A: Have it go through the traffic calming process. When the City evaluates the need for traffic calming, they can determine the appropriate plan for a location, rather than where the Traffic Council petitions propose specific solutions. This is the first year where we set aside budget for traffic calming. Send feedback via email to Transportation, before filing a Traffic Council petition.

Q: These are not big-ticket items, however, is all of the money coming from the traffic calming funding for this year?

A: Funds are also coming from the Roads program funds as well.

Q: Are we paying attention to the Ordinances relative to when projects come before the Council for approval?

A: Yes. The proposed suggestions are just conceptual. When they come to the Council for final design, they come before the Committee.

Q: What is the most efficient way to have something addressed?

A: The most efficient is to call or email DPW. We want to hear what the problem is, not what a potential solution is. The professionals need to determine the right solution.

Councilors requested that DPW evaluate the placement of bike lanes in some scenarios. Councilors were very supportive of the collaborative efforts between departments. It was requested that the Commissioner issue a memo that details the metrics used to evaluate the various situations. The Chair of Public Facilities requested that the next update includes details of stormwater considerations and what the Conservation Commission's role is on the working group. With a motion from Councilor Leary to hold the item, Committee members voted unanimously to hold the item.

**#45-18 Request for updates on Newton Power Program**

PUBLIC FACILITIES COMMITTEE requesting updates from the Director of Sustainability and the Administration on the development of a program, known as Newton Power Choice, to aggregate the electricity supply and provide clean energy power options to Newton electric customers.

**Action:** Public Facilities Held 7-0 (Danberg not Voting)

**Note:** Co-Director of Sustainability Ann Berwick presented an update to the Committee on the Newton Power Program. Ms. Berwick noted that The Department of Public Utilities (DPU) has approved the aggregation program proposed by the City. Approval by the DPU allow the City to begin the procurement process for the aggregation program. The City will go out to bid at the end of November and there are four providers that are expected to submit bids. Ms. Berwick explained that the bidders will provide prices for different term lengths for both basic service and service with renewable energy sources. Once the cost estimates are determined, the Mayor can choose which level of renewable to include or may choose to go back out to bid. It was noted that the state currently requires a minimum amount of renewable energy credits in basic service.

Ms. Berwick stated that the City will be conducting an internet and a telephone poll to solicit input on how much more residents might be willing to pay for the inclusion of an additional renewable component. She noted that it is expected that the state mandated "opt-out" letter will be mailed to all basic rate payers at the beginning of the new year. Residents have the opportunity to remain in the aggregation (by default), "opt-out" and remain on basic service, or "opt-up" to a higher level of renewable credits. It is expected that the program will go live in March 2019 (after the "opt-out" period). Ms. Berwick confirmed that the "opt-out" letter will contain specific rates that residents can use to calculate their expected monthly bill. Ms. Berwick stated that members of the public have been very supportive of the proposal. She noted that out of 140 aggregated communities in Massachusetts, 100 communities have no green component and Brookline is the only municipality who is including

Class 1 renewable energy credits above the state mandated amount. Councilor Lappin motioned to hold the item which carried unanimously.

***The Committee heard an update on the status of the Newton Solar Projects, Phase 3***

**Note:** Co-Director of Sustainability Bill Ferguson provided the attached list of potential sites to locate solar in the City. Mr. Ferguson stated that the City currently has a memorandum of understanding with two firms. Mr. Ferguson stated that firms are analyzing the sites for the possibility of locating solar and noted that it is likely that some sites will be eliminated for technical reasons. Mr. Ferguson confirmed that once the sites are determined to be viable, the city will solicit public feedback. Mr. Ferguson anticipates that two public meetings will be held in December. It is his anticipation that approval of the sites may come before the Public Facilities Committee on December 5, 2018. Mr. Ferguson stated that more community meetings will be held after final design.

Some Committee members expressed concerns that the sites may be before the Committee prior to any community meetings and suggested that the proposal may be more successful if feedback from the public is solicited first. Some Committee members agreed that public feedback should be solicited but noted that some locations may not require community input (i.e. rooftop installations). Mr. Ferguson noted that the solar installations are somewhat time sensitive as they may be eligible for incentives under the SMART program, which decline as enrollment is filled. Committee members urged Mr. Ferguson to carefully consider locations that have been previously denied by the Council and requested an update on existing installations.

**#556-18 Granting of an easement in Washington Street**

HER HONOR THE MAYOR requesting authorization to grant underground easement containing 737 sq. ft. to Mark Newtonville, LLC in Washington Street along the site of the Washington Place development project for underground footings, as noted on Drawing No. 2 of 3 a plan entitled "Easement Plan for Underground Footing", dated October 25, 2018, prepared by Control Point Associates.

**Action:** **Public Facilities Approved 7-0 (Danberg not Voting)**

**Note:** City Engineer Lou Taverna provided an overview of the request for an easement in Washington Street to accommodate underground footings to support the Washington Place Development. Mr. Taverna explained that while the wall footing is to support the building is approximately 15' below ground and runs parallel to Washington Street, there is underground horizontal footing that extends into the City's public way. It was explained that footing extending into the public way is not uncommon and is typically addressed by a license from the City. As the financing agent for the project is not willing to accept a license, the petitioner is seeking an easement to allow the horizontal footing to remain in the proposed underground location. Committee members expressed concern that the shifting of the property line will allow the building façade on Washington Street to shift. Attorney Steve Buchbinder stated that there was a discrepancy in the survey work that was identified by the City's surveyor. He confirmed that the front of the building to be constructed is no closer or farther than approved during the Special Permit process. Atty. Buchbinder confirmed that

the sidewalk and the street widths will be consistent with the approved Special Permit and the building will be 100% on the petitioner's property. With a motion from Councilor Leary to approve the petition, Committee members voted unanimously in favor.

**#557-18      Acceptance of a sidewalk easement abutting Walnut Street**

HER HONOR THE MAYOR requesting authorization to accept a sidewalk easement granted by Mark Newtonville, LLC with a length of approximately 220' and area of 2099 sq. ft. abutting Walnut Street, as noted on Drawing No. 3 of 3 a plan entitled "Easement Plan", dated October 25, 2018, prepared by Control Point Associates.

**Action:**      **Public Facilities Approved 7-0 (Danberg not Voting)**

**Note:**              City Engineer Lou Taverna presented an overview of the proposed acceptance of a sidewalk easement abutting Walnut Street. Mr. Taverna noted that the city sidewalk and 3-4 parking stalls will encroach in the developer's property. The developer is granting an easement to the City. Mr. Taverna confirmed that the request is consistent with the conditions of the Special Permit. Councilor Gentile moved approval which carried unanimously.

**Referred to Public Facilities and Finance Committees**

**#535-18      Appropriate \$500,000 for interior improvements at the library**

HER HONOR THE MAYOR requesting authorization to appropriate five hundred thousand dollars (\$500,000) from bonded indebtedness for the purpose of funding the design, procurement, and construction of the interior improvements at the Newton Free Library

**Action:**      **Public Facilities Approved 6-0-1 (Danberg abstaining, Kelley not Voting)**

**Note:**              Commissioner of Public Buildings Josh Morse presented an overview of the phased enhancements to the Newton Free Library. He explained that the timeline (as presented on the attached diagrams), is based on different programmatic and infrastructure priorities and then phased over time. The Commissioner stated that the request before the Council for \$500,000 will fund Phase 2 of the improvements. He explained that Phase 2 will include replacement of the existing, 27-year-old carpet in areas that will not see any construction. Additionally, the funding will be used to replace carpet in the stairwells with a durable material that has the acoustical properties of carpet.

The Commissioner noted that two budgets were included in the packet. He stated that the design costs are more than anticipated but noted that the construction estimates are less than expected. Both budgets are for \$500,000. The Commissioner explained that Phase 3-5 of the library enhancements will be more significant changes to the interior spaces. Phase 3 will include the reorientation and expansion of the children's room which is listed at #42 on the CIP with an estimated cost of \$5 million dollars. Phases 4 and 5 of the work will include expansion of the existing spaces. Commissioner Morse confirmed that there is a working group with Council representation. In response to questions from Committee members, the Commissioner noted that the expansion of the Druker Auditorium is not currently funded. The Chair suggested that the city should conduct an analysis of the

building envelope to develop a sense of how efficiently the building is performing. Committee members expressed no concerns relative to the request and voted 6-0-1 in favor (Danberg abstaining).

### **Referred to Public Facilities and Finance Committee**

#### **#560-18 Appropriation for window replacement and accessibility designs at Lincoln-Eliot School**

HER HONOR THE MAYOR requesting authorization to appropriate one hundred fifty thousand dollars (\$150,000) from Free Cash for the purpose of funding the Lincoln-Eliot Elementary School window replacement and accessibility improvements design.

**Action:** **Public Facilities Approved 7-0 (Kelley not Voting)**

**Note:** Commissioner of Public Buildings Josh Morse presented the request for \$150,000 for window replacement and accessibility design at Lincoln-Eliot. The Commissioner explained that this item is #41 on the CIP and noted that the total project cost is estimated to be \$1.35 million and funded in FY20 CIP, based on recent window projects. The Commissioner stated that it is expected that design will be completed over the next 2-3 months and bid over winter. He stated that construction would ideally be during the summer school break but noted that construction can occur while the building is occupied. The Commissioner explained that Lincoln-Eliot contains a variety of window types and may not be considered an attractive option for contractors but noted that the flexible construction schedule will allow the City to take advantage of favorable market conditions during the procurement process. Committee members were supportive of the proposed work and noted that there have been building inefficiencies due to loss of heat. The Commissioner confirmed that the Design Review Committee will be reviewing the proposal and noted that the proposed work will include the reduction in glazing. Committee members expressed no concerns relative to the request. Councilor Leary moved approval which carried unanimously.

### **Referred to Public Facilities and Finance Committee**

#### **#561-18 Appropriation of \$300,000 for building upgrades at Fire Stations 1 & 2**

HER HONOR THE MAYOR requesting authorization to appropriate three hundred thousand dollars (\$300,000) from Free Cash for the purpose of funding upgrades at Fire Stations 1 and 2 including isolation of apparatus bay from living quarters and pole rehab/replacement.

**Action:** **Public Facilities Approved 7-0 (Kelley not Voting)**

**Note:** Commissioner of Public Buildings Josh Morse presented the request for \$300,000 from free cash to fund projects at Fire Stations 1 and 2 that fall in the CIP less than \$75,000 list. He stated that Fire Station 2 is projected for FY25 but stated that Fire Station 1 is not currently identified to be funded. The Commissioner explained that before the new Fire Stations are constructed, some work must be completed to ensure continued safety for Fire personnel. He noted that the requested funds will be used to address the air separation between apparatus bays and living quarters. Because small amounts of exhaust fumes are generated inside the bays, there must be complete separation to ensure that carcinogens are kept out of the living quarters. The Commissioner noted that the work will include

sealing of holes as well as elimination of the underutilized fire poles that are not in a field of travel for response. The remaining fire poles will be rehabilitated. A Committee member requested that the Commissioner explain the plans for the Fire Stations at the Finance Committee meeting. With that, Councilor Gentile moved approval which carried unanimously.

The Committee adjourned at 9:35 pm.

**Respectfully submitted,**

**Deborah Crossley**

# Complete Streets Policy Update

Public Facilities  
November 7, 2018  
Complete Streets Working Group



## Complete Streets

- Vision
  - Create a road network that meets everyone's needs, regardless of age, ability, income or mode of transportation
- Guiding Principles
  - Safe
  - Healthy
  - Sustainable
  - Accessible
  - Livable
  - Economic growth



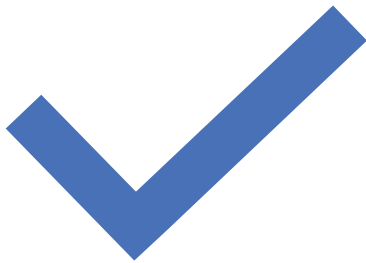


- Committee Chair
  - Planning
- Committee Members
  - Mayor's Office
  - ADA Coordinator
  - DPW
  - Health and Human Services
  - Parks & Rec
  - Planning
  - Public Safety
  - Schools (as relevant)
  - Sustainability
- Mayoral Appointee
  - Mike Halle

## Complete Streets Working Group

## Responsibilities

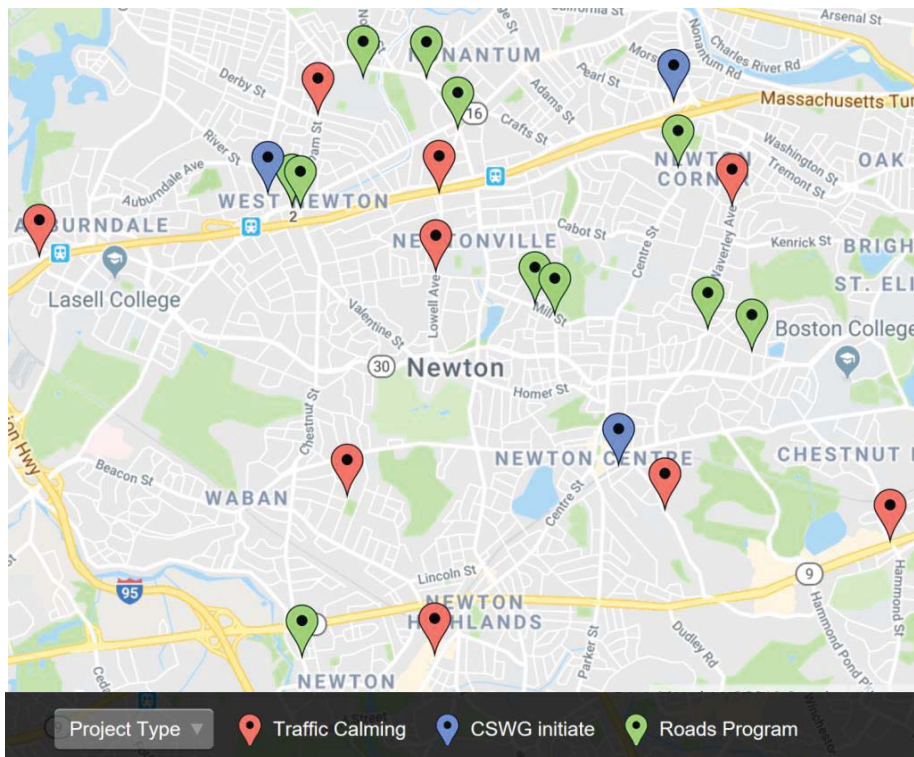
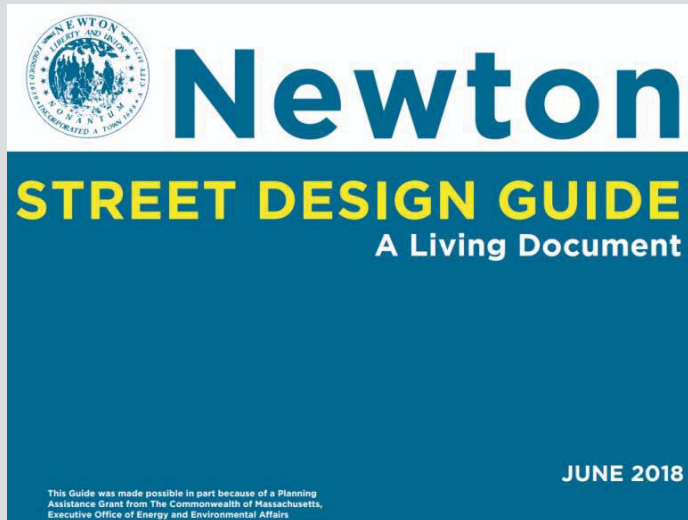
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- ✓ Training
- ✓ Process
- ✓ Project Selection
- ✓ Design Review
- ✓ Communication

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- ✓ Process
- ✓ Project Selection
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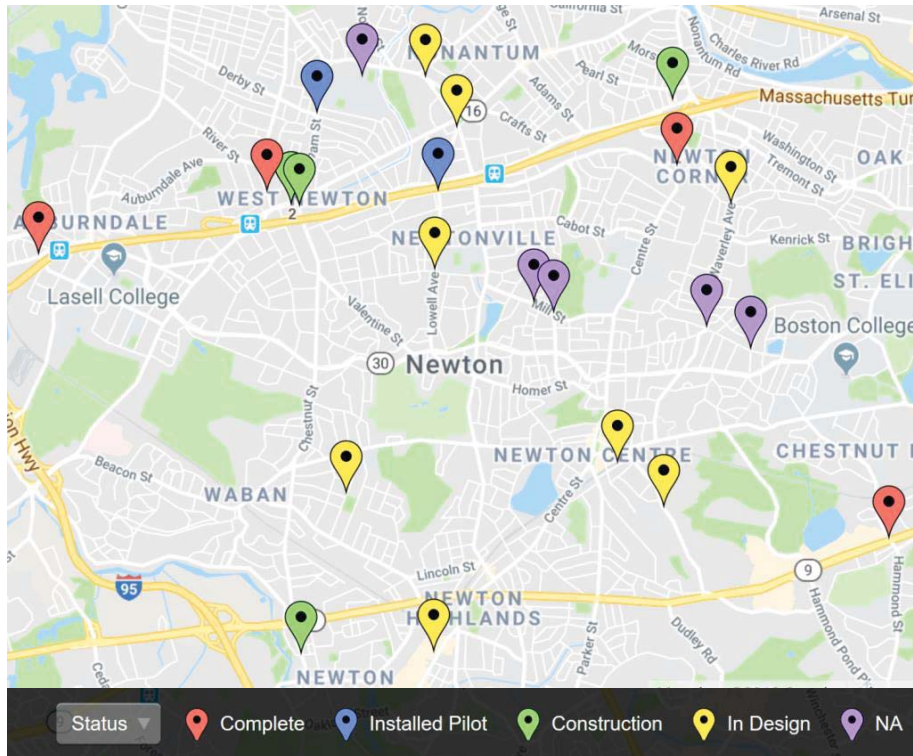


- ✓ Training
- ✓ Process
- ✓ Project Selection
- ✓ Design Review
- ✓ Communication

24 Projects

- 12 Roads Program
- 9 Traffic Calming
- 3 CSWG initiated

# Project Selection & Design Review



## 24 Projects

- 4 Complete
- 2 Pilots Installed
- 4 Construction
- 8 In Design
- 6 Other

# Project Selection & Design Review

Project Type	Address	Status	Decision
Traffic Calming	Auburn @ Woodland	Complete	RRFB
Roads Program	Centre @ Franklin	Complete	T intersection. Fix drainage. Shorten xwalk
CSWG initiate	Cherry @ Webster	Complete	Retroreflective signal backs. various small changes
Traffic Calming	Hammond St @ Rt 9	Complete	Speed feedback display sign. Stripe 10 TL's
Roads Program	Chestnut @ Ellis	Construction	T all ramps. Tighten Chestnut. Curbless sidewalk by driveway.
Roads Program	Chestnut @ Rt 9	Construction	All 4 way stops. Upgrade continental xwalks.
CSWG initiate	Commonwealth @ Washington	Construction	Bike lane. Upgrade barricade
Roads Program	Crafts @ Waltham	Construction	Bike lane. Xwalk.
Traffic Calming	Allen @ Beethoven	In Design	Bumpouts. TBD - Raised xing
CSWG initiate	Braeland @	In Design	On-street sidewalk. Bike lane. Bike rack
Roads Program	Crafts @ Walnut	In Design	T intersection. Xwalk across Crafts. TBD - stormwater
Traffic Calming	Eliot @ Mechanic	In Design	2 x ped island. 1x crosswalk. Edge lines
Traffic Calming	Franklin @ Waverly	In Design	Route activated warning sign
Traffic Calming	Hull @ Lowell	In Design	Bumpouts
Traffic Calming	Langley @ Maddox	In Design	Ped island. Speed feedback display sign
Roads Program	Lowell @ Walnut	In Design	T intersection. Xwalk upgrade. TBD - stormwater
Traffic Calming	Austin @ Lowell	Installed Pilot	Pilot bumpouts. To do: Fire test. pilot ped island
Traffic Calming	Fairway/ Derby @ Waltham	Installed Pilot	Mountable curb
Roads Program	Cedar @ Mill	NA	NA - xwalk tbd
Roads Program	Crafts @ Fessenden	NA	NA - not priority
Roads Program	Crafts @ North	NA	NA - too complex
Roads Program	Hammond @ Ward	NA	NA - not repaving 2018
Roads Program	Mill @ Morton	NA	NA - xwalk tbd
Roads Program	Ward @ Waverly	NA	NA - not repaving 2018

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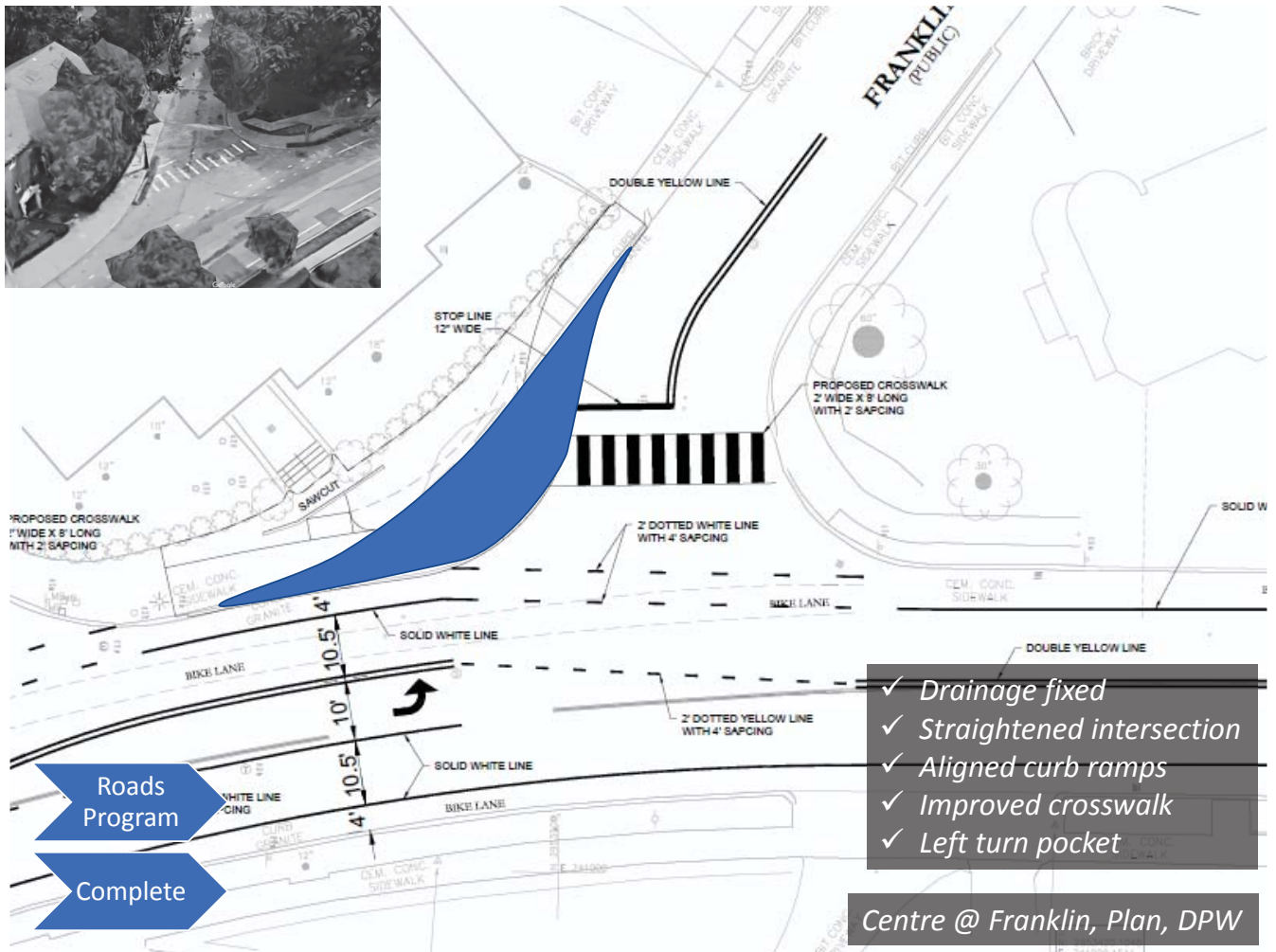
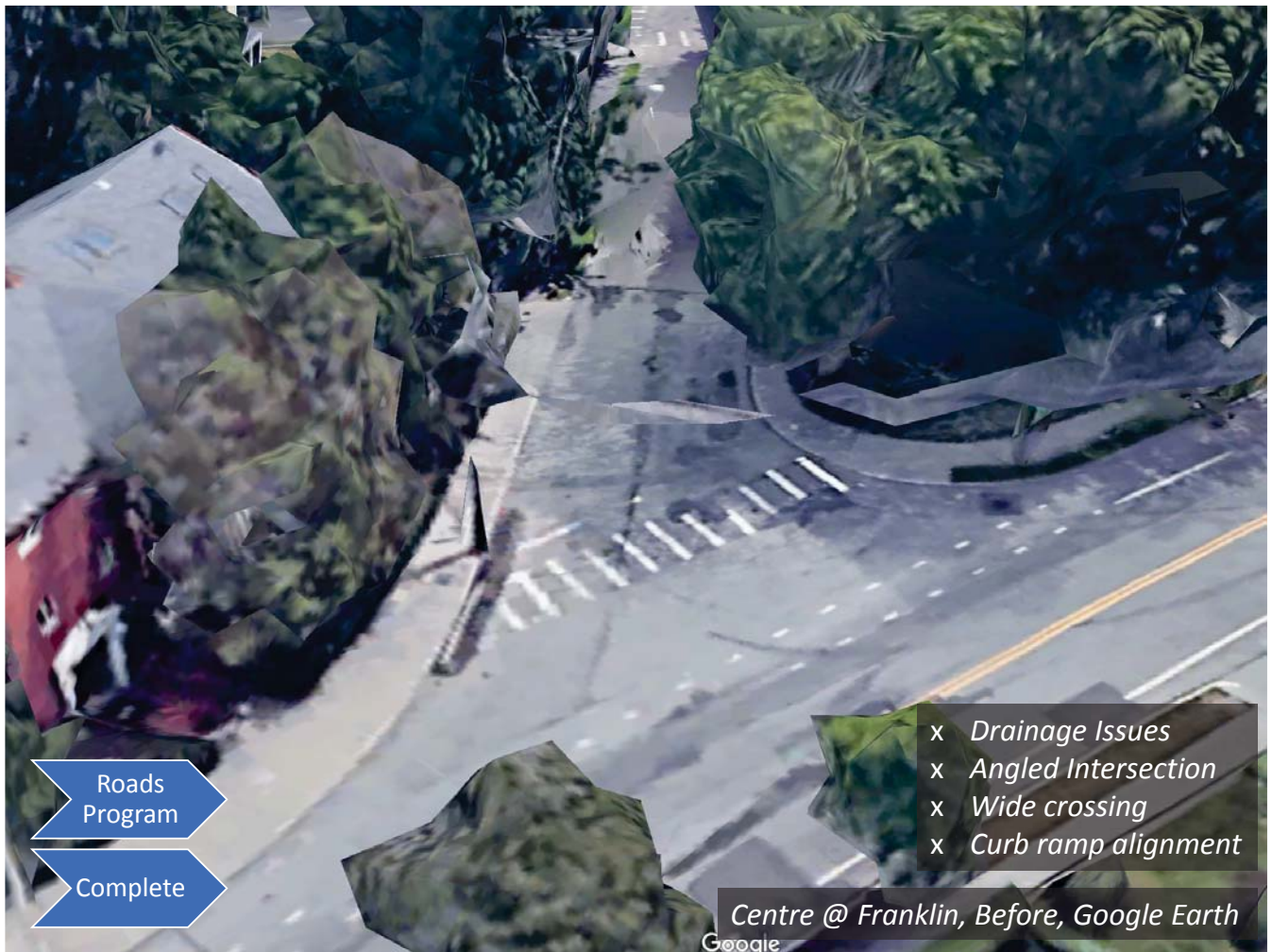
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Traffic Calming	Franklin @ Waverly	In Design	Route activated warning sign
Traffic Calming	Hull @ Lowell	In Design	Bumpouts
Traffic Calming	Langley @ Maddox	In Design	Ped island. Speed feedback display sign
Roads Program	Lowell @ Walnut	In Design	T intersection. Xwalk upgrade. <u>TBD - stormwater</u>
Traffic Calming	Austin @ Lowell	Installed Pilot	Pilot bumpouts. To do: Fire test. pilot ped island
Traffic Calming	Fairway/ Derby @ Waltham	Installed Pilot	Mountable curb
Roads Program	Cedar @ Mill	NA	NA - xwalk tbd
Roads Program	Crafts @ Fessendan	NA	NA - not priority
Roads Program	Crafts @ North	NA	NA - too complex
Roads Program	Hammond @ Ward	NA	NA - not repaving 2018
Roads Program	Mill @ Morton	NA	NA - xwalk tbd
Roads Program	Ward @ Waverly	NA	NA - not repaving 2018

Complete











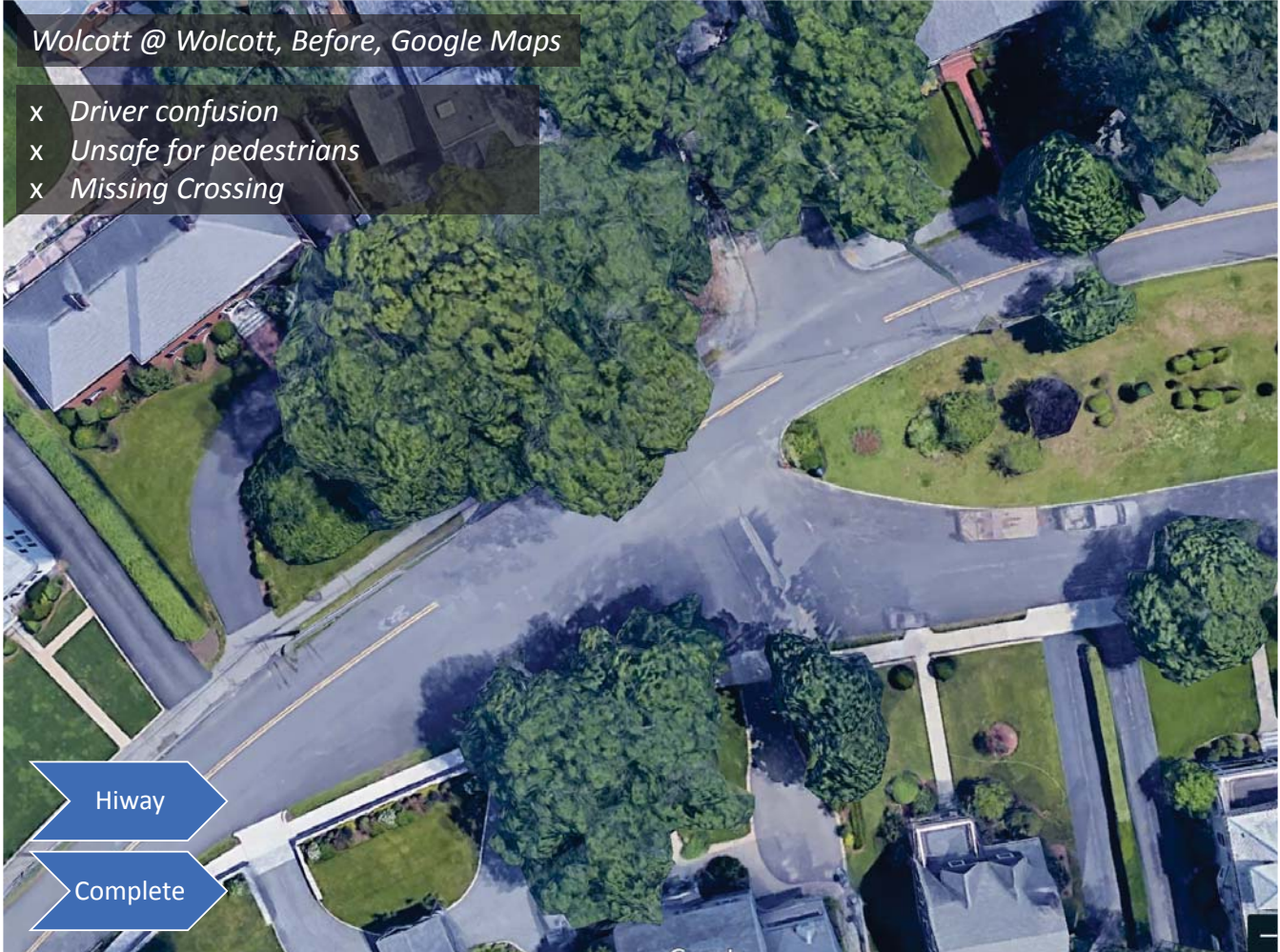
Roads Program  
Complete

- ✓ Drainage fixed
- ✓ Straightened intersection
- ✓ Aligned curb ramps
- ✓ Improved crosswalk
- ✓ Left turn pocket

Centre @ Franklin, After, Planning

Wolcott @ Wolcott, Before, Google Maps

- x Driver confusion
- x Unsafe for pedestrians
- x Missing Crossing

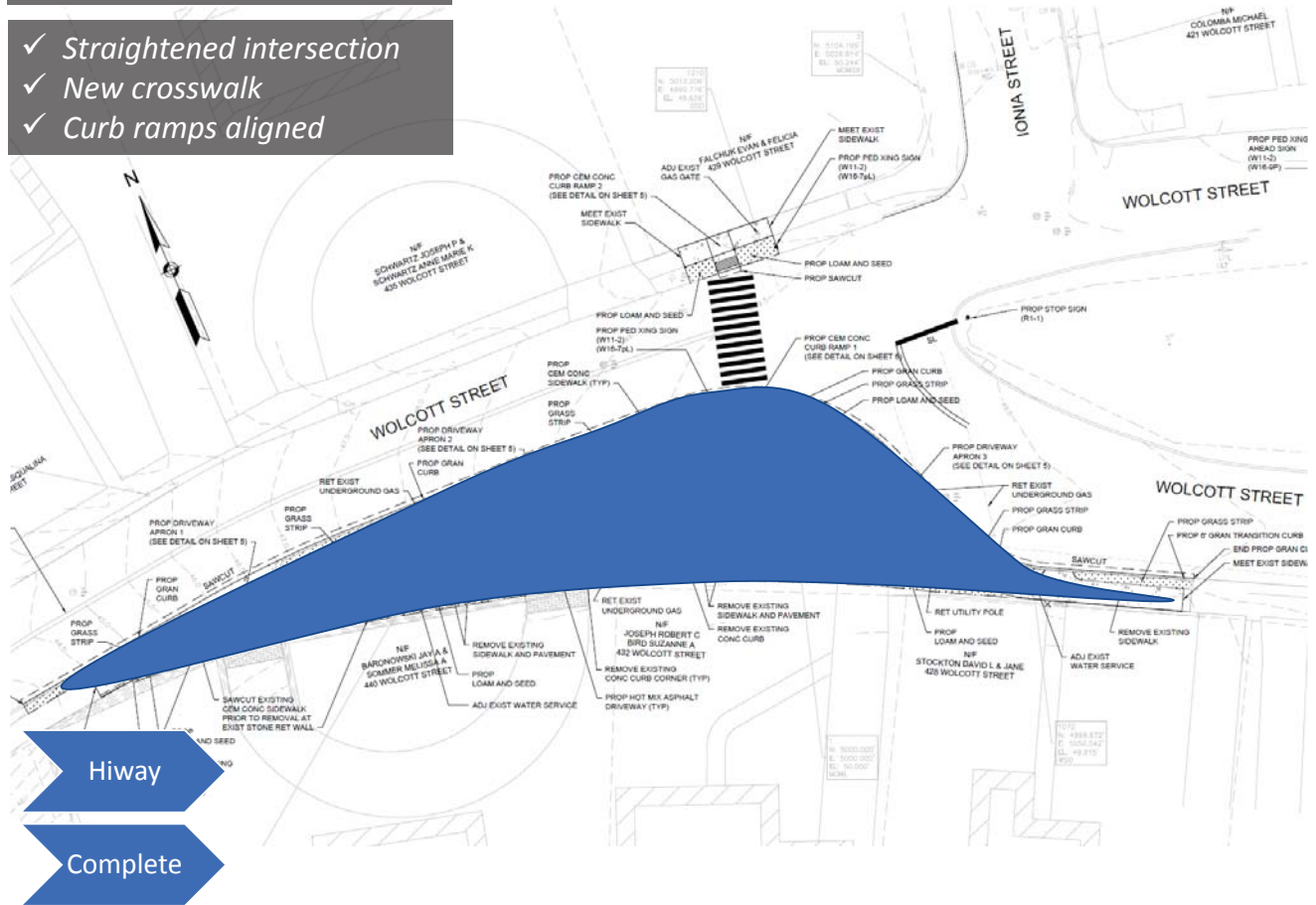


Hiway  
Complete



# Wolcott @ Wolcott, Plan, DPW

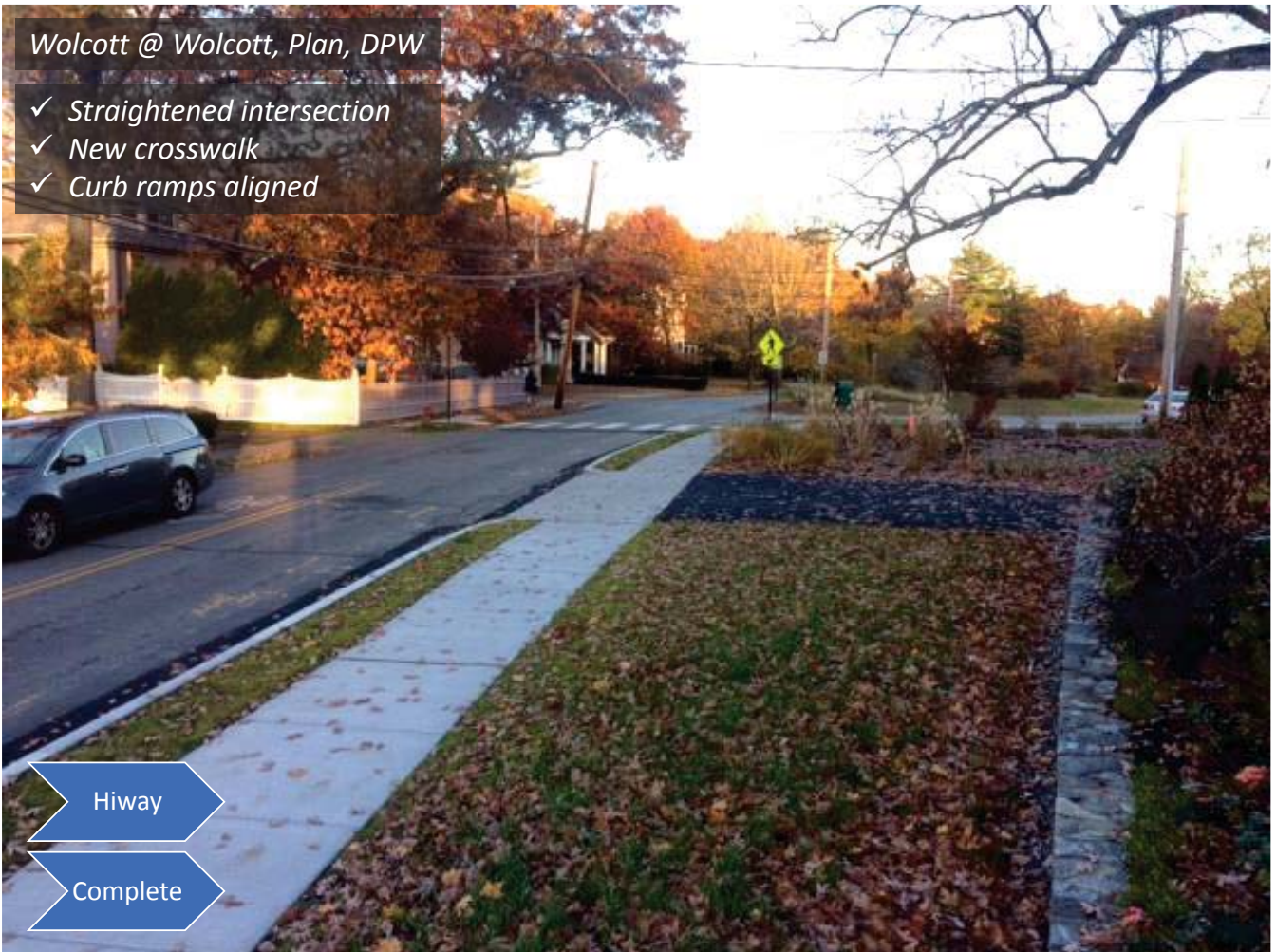
- ✓ Straightened intersection
- ✓ New crosswalk
- ✓ Curb ramps aligned



Hiway  
Complete

# Wolcott @ Wolcott, Plan, DPW

- ✓ Straightened intersection
- ✓ New crosswalk
- ✓ Curb ramps aligned



Hiway  
Complete



*Cherry @ Webster, Before, Google Maps*

- x Signal visibility
- x Trees overhanging
- x Sign placement



CSWG  
Initiate

Complete

Google

*Cherry @ Webster, After, Planning*

- ✓ Retroreflective signal backs
- ✓ Signs moved
- ✓ Crosswalks upgraded



CSWG  
Initiate

Complete



Inc. *Fairway @ Waltham, Before, Google Maps*

View - Aug 2011

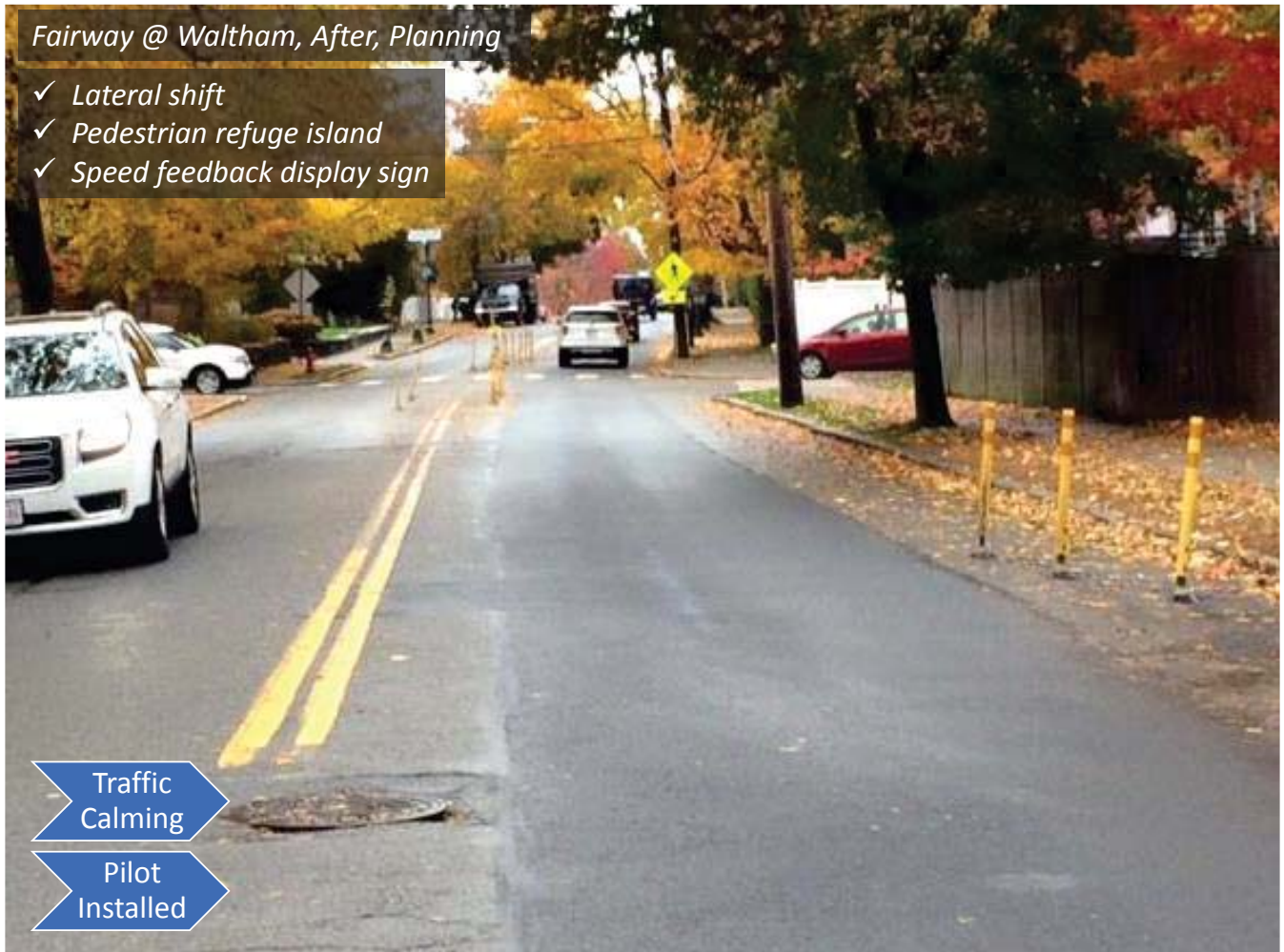
- x *Speeding*
- x *Challenging crossing*
- x *"Near misses"*



- Traffic Calming
- Pilot Installed

*Fairway @ Waltham, After, Planning*

- ✓ *Lateral shift*
- ✓ *Pedestrian refuge island*
- ✓ *Speed feedback display sign*



- Traffic Calming
- Pilot Installed



Fairway @ Waltham, After, Planning

- ✓ Lateral shift
- ✓ Pedestrian refuge island
- ✓ Speed feedback display sign



Traffic Calming  
Pilot Installed

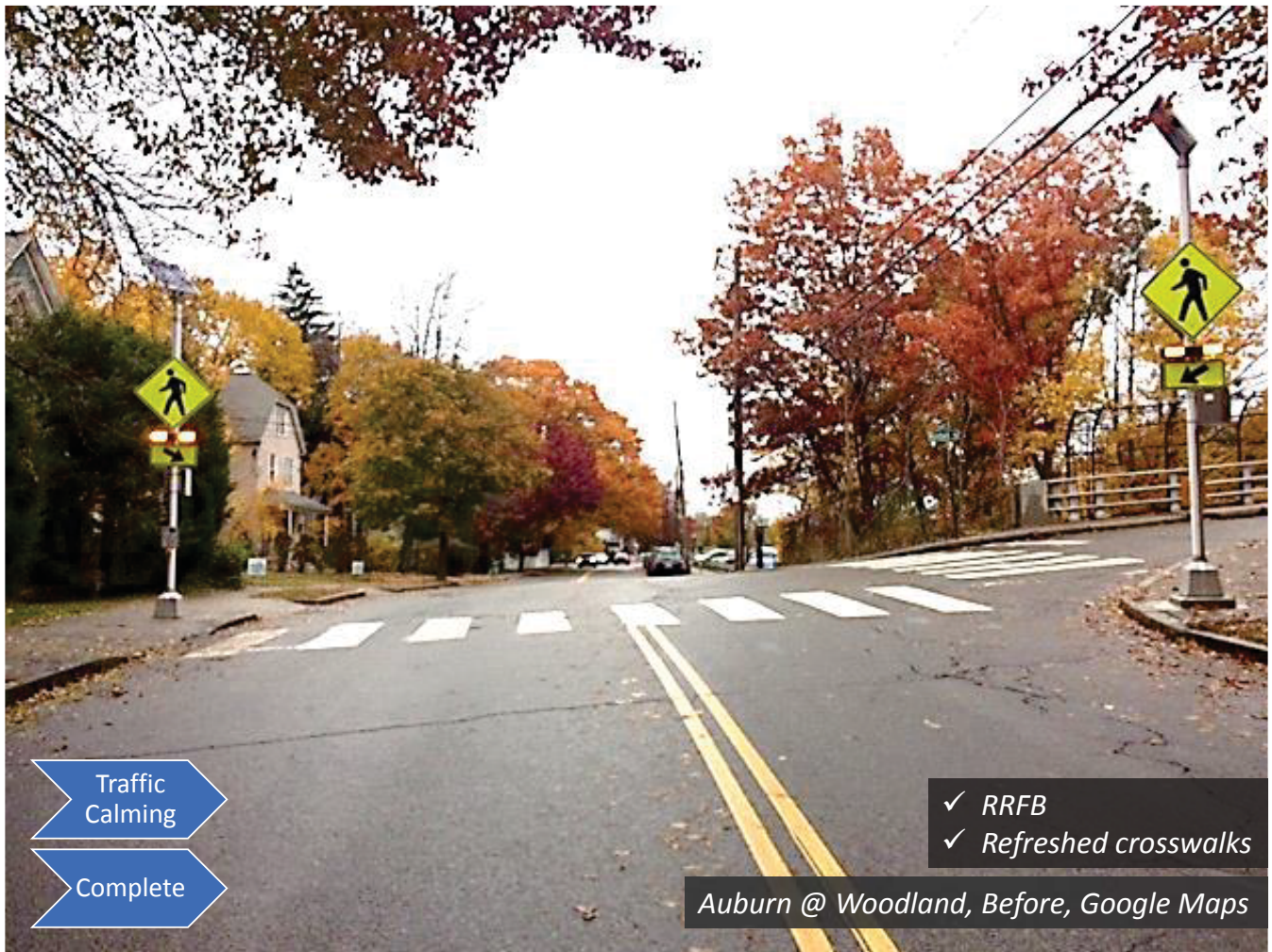


Traffic Calming  
Complete

- x Speeding
- x Noncompliance with crossing

Auburn @ Woodland, Before, Google Maps





Traffic Calming

Complete

✓ RRFB

✓ Refreshed crosswalks

Auburn @ Woodland, Before, Google Maps



Austin @ Lowell, Before, Google Maps

- x Top rated "Traffic Calming location"
- x Speeding
- x Long crossings

Traffic Calming

Pilot Installed



Austin @ Lowell, After, Planning

- ✓ Flexpost bumpouts
- ✓ Narrowed crossings



Traffic Calming

Pilot Installed

Austin @ Lowell, After, Planning

- ✓ Flexpost bumpouts
- ✓ Narrowed crossings



Traffic Calming

Pilot Installed



# In Construction



Roads  
Program

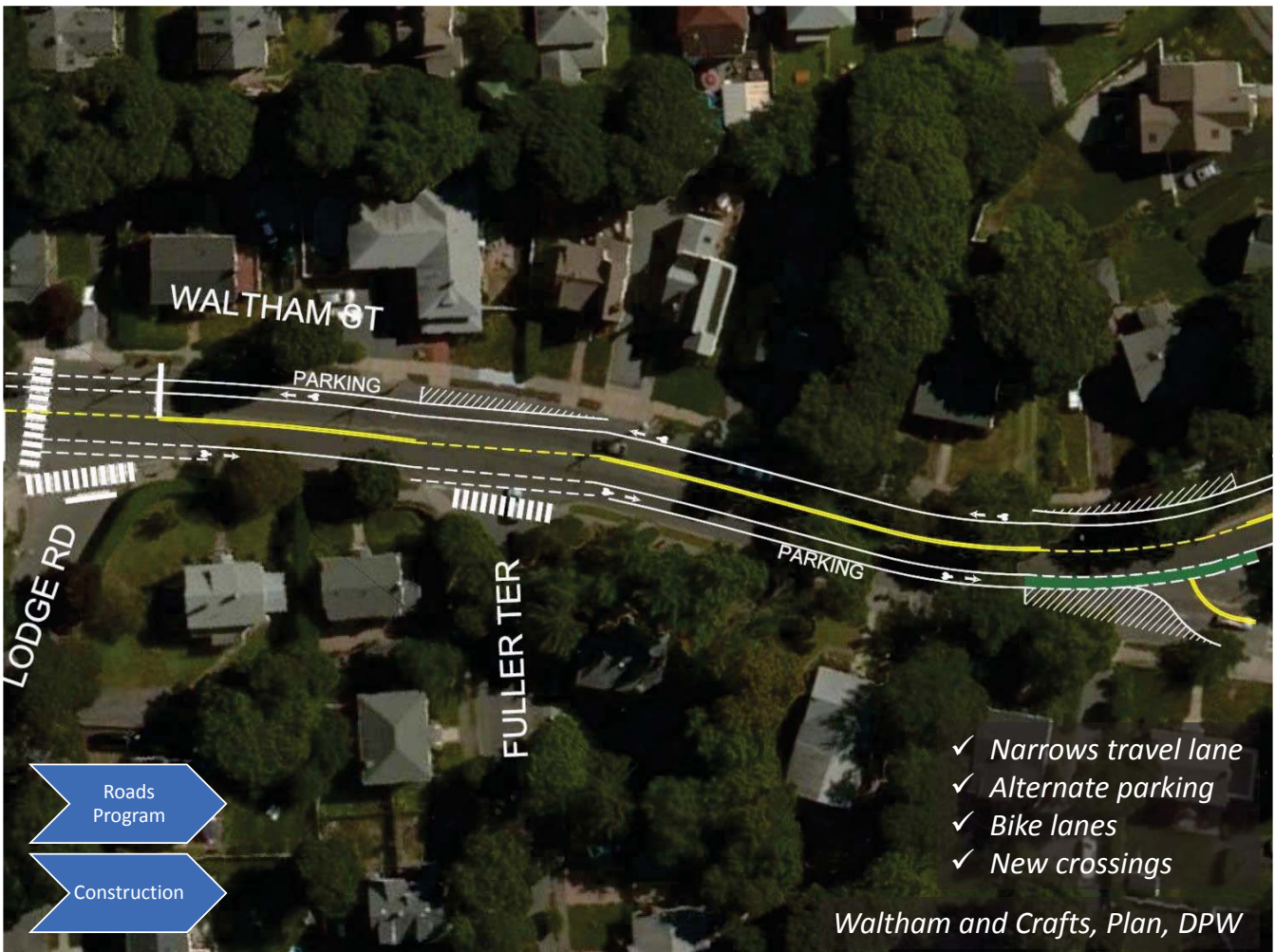
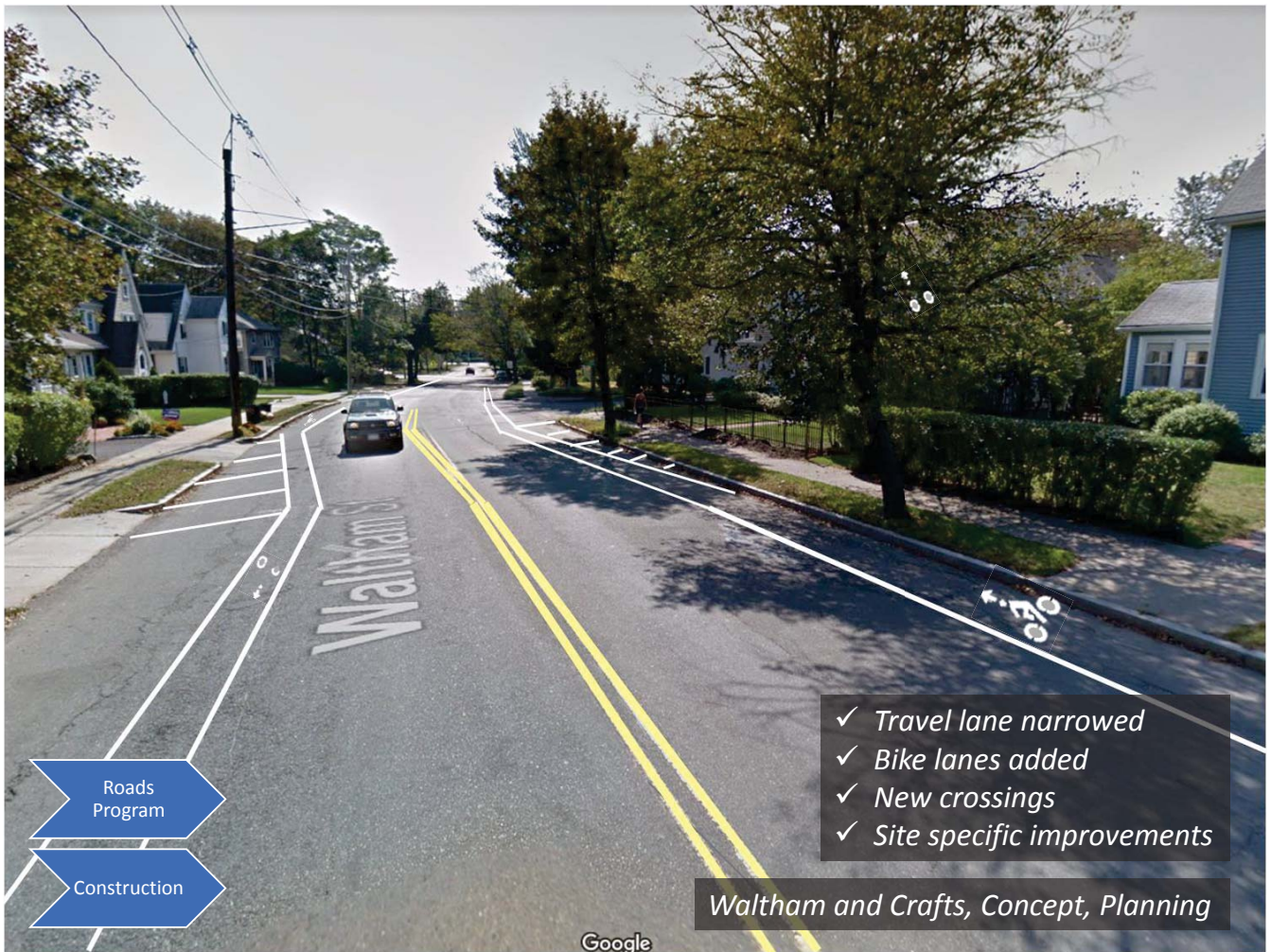
Construction

- x *Crash hot spot*
- x *Speeding*
- x *Undefined wide travel lane*
- x *No bike facilities*
- x *Lack of crosswalks*

*Waltham and Crafts, Before, Google Maps*

Google







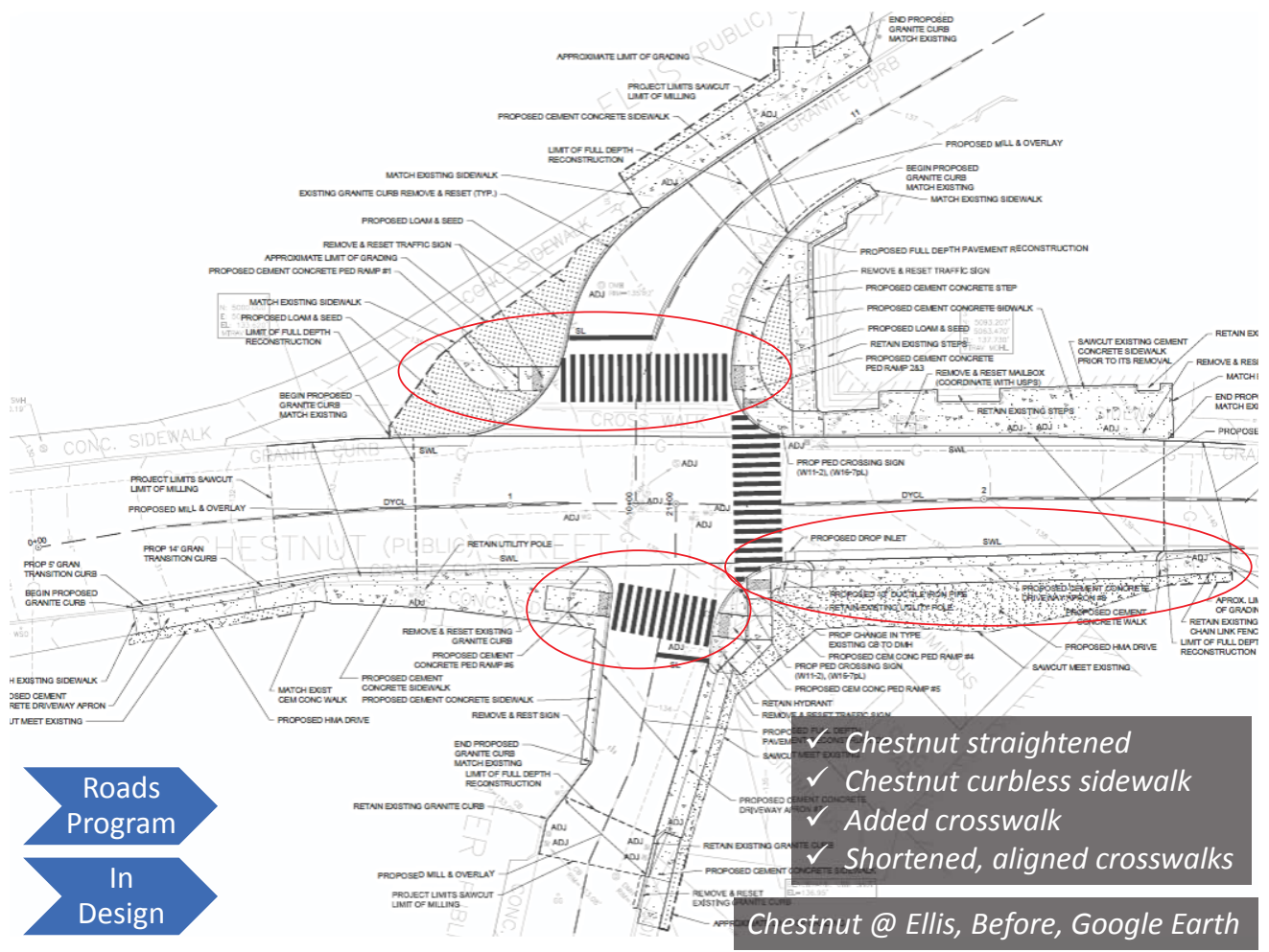


Roads Program

Construction

- x Chestnut St widens, no sidewalk
- x Ellis xings: long w side, missing e side
- x Curb ramps not aligned

Chestnut @ Ellis, Before, Google Earth



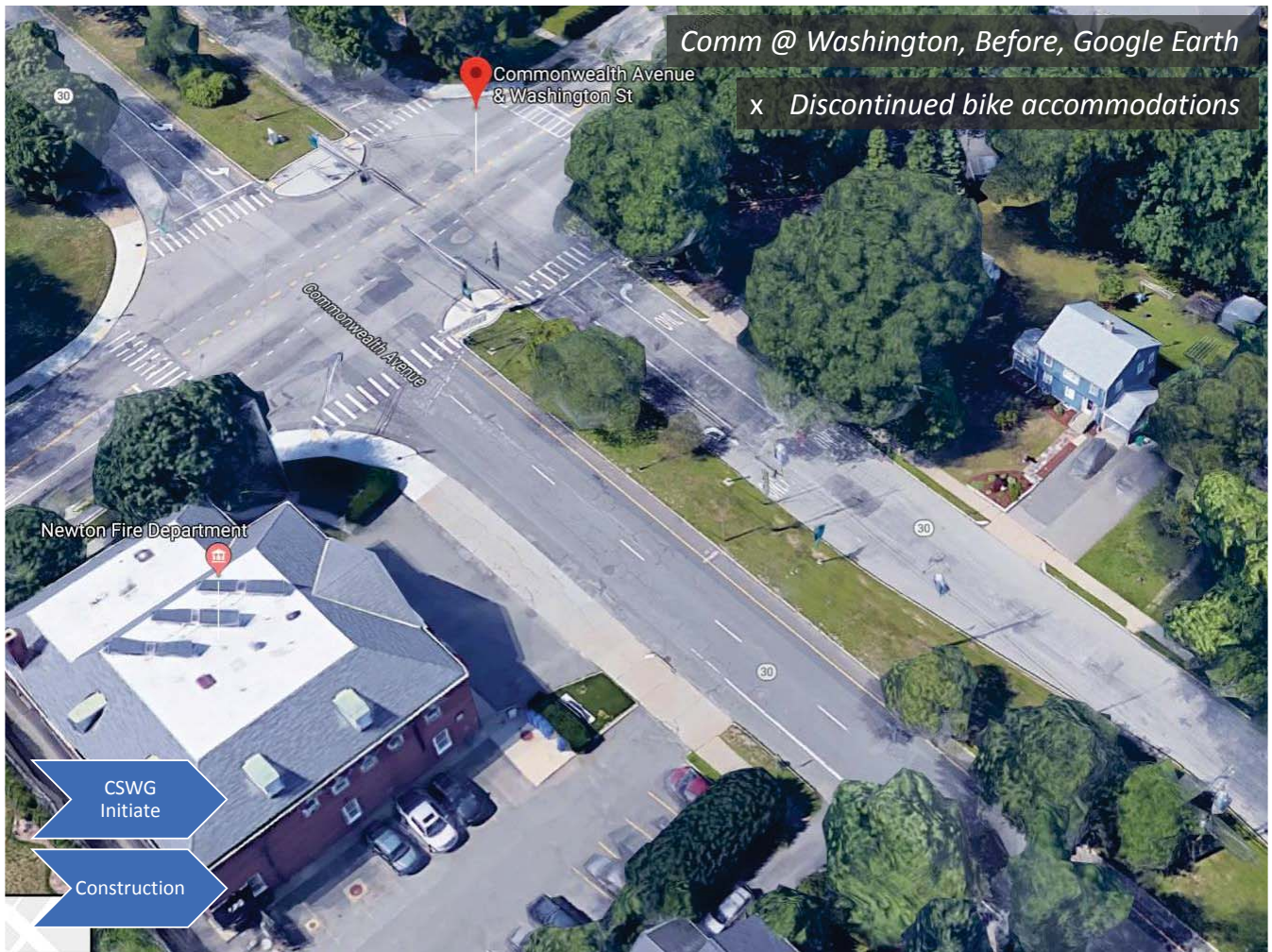
Roads Program

In Design

- ✓ Chestnut straightened
- ✓ Chestnut curbside sidewalk
- ✓ Added crosswalk
- ✓ Shortened, aligned crosswalks

Chestnut @ Ellis, Before, Google Earth







# In Design



*Lowell @ Walnut, Before, Google Earth*

- x *Skewed intersection*
- x *Long crossings*
- x *Discontinuous for peds*

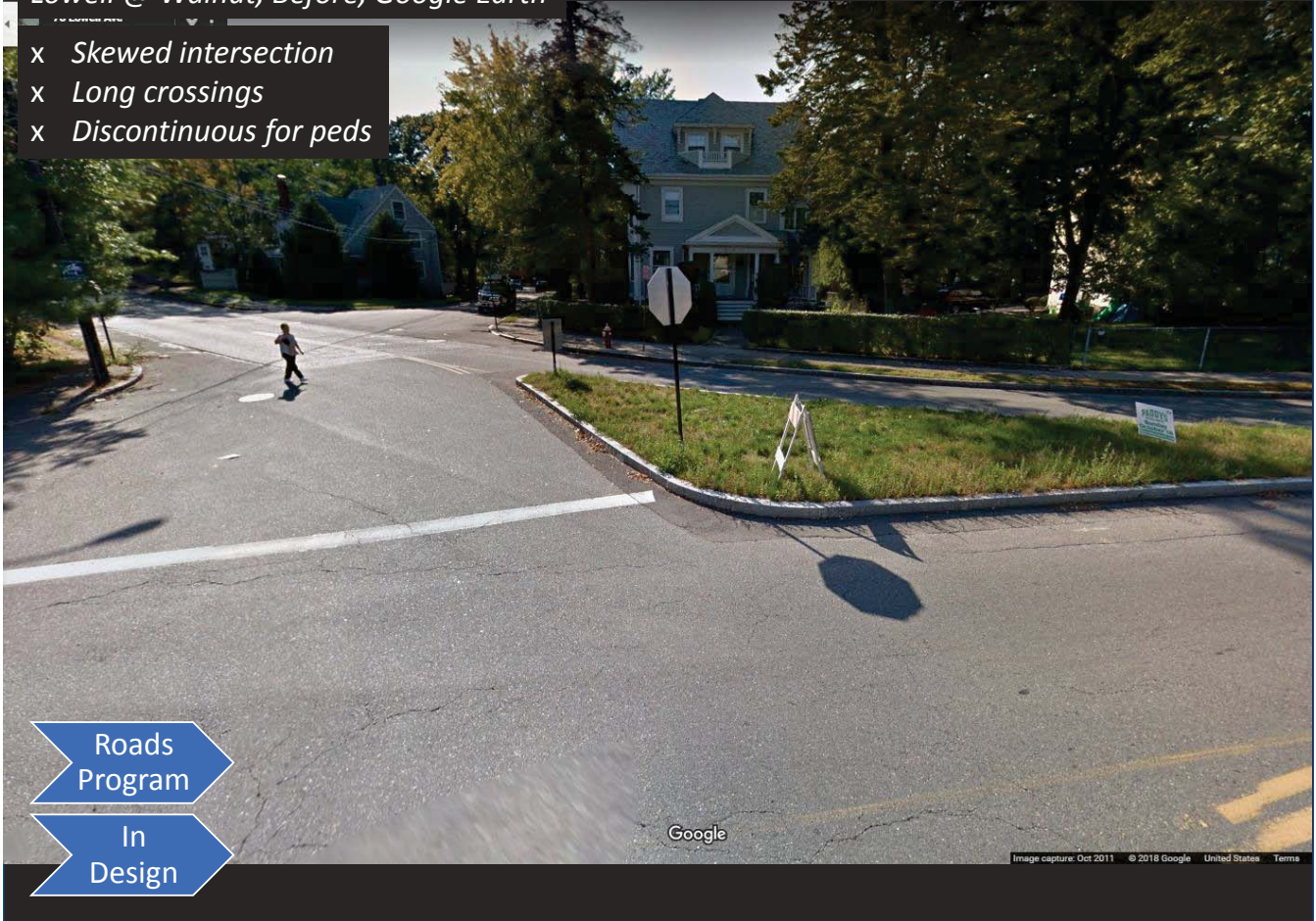
Roads  
Program

In  
Design



*Lowell @ Walnut, Before, Google Earth*

- x *Skewed intersection*
- x *Long crossings*
- x *Discontinuous for peds*



Roads Program  
In Design

*Lowell @ Walnut, Design, DPW*

- ✓ *Straightens intersection*
- ✓ *Adds crosswalks*
- ✓ *Shortens crossings*
- ✓ *Aligns curb ramps*
- ✓ *Continuous N side*



Roads Program  
In Design







*Braeland Ave, Before, Source unknown*

- x Unusable sidewalk
- x Wide street
- x Speeding
- x No bike facilities
- x Crossing visibility

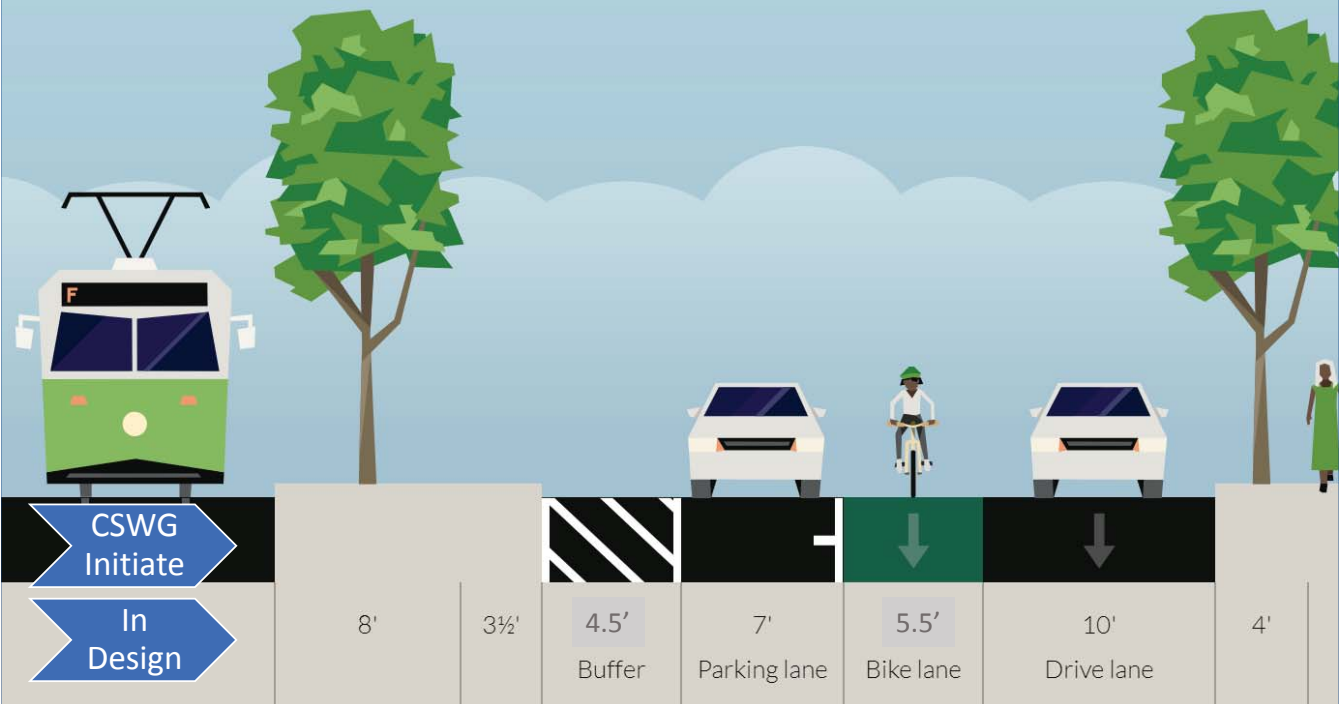


CSWG  
Initiate

In  
Design

*Braeland Ave, Plan, Planning*

- ✓ Painted sidewalk
- ✓ Bike lane
- ✓ Bumpouts/Daylighting



CSWG  
Initiate

In  
Design

8'

3 1/2'

4.5'

Buffer

7'

Parking lane

5.5'

Bike lane

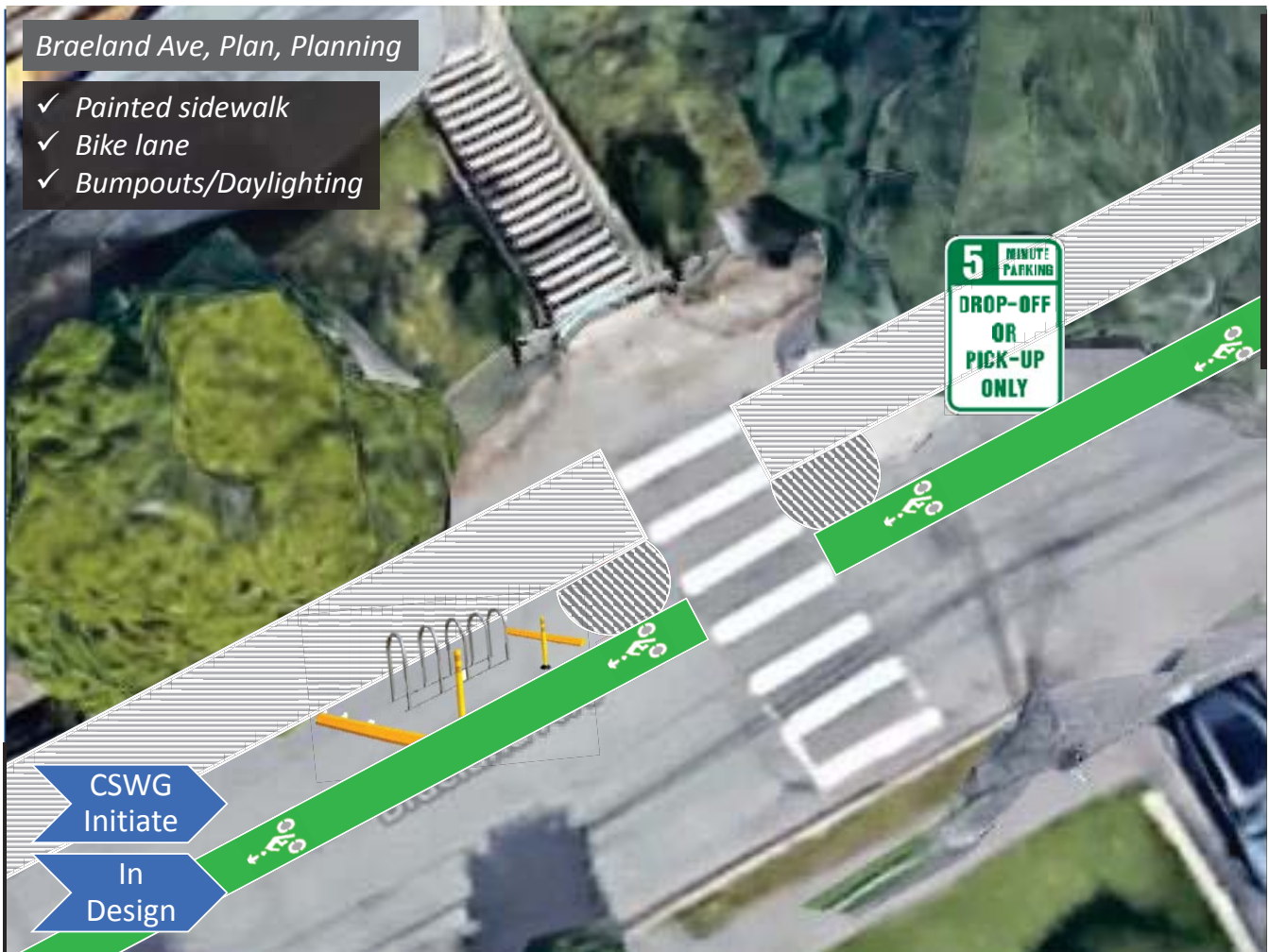
10'

Drive lane

4'

Braeland Ave, Plan, Planning

- ✓ Painted sidewalk
- ✓ Bike lane
- ✓ Bumpouts/Daylighting



- 6 months
- 24 Reviewed projects
- 6 Installed
- 4 Construction
- 8 In Design

Complete Streets  
Working Group

# Thank you

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Complete Streets Working Group  
Nicole Freedman  
Nfreedman@newtonma.gov

- ✓ Training
- ✓ Process
- ✓ Project Selection
- ✓ Design Review

✓ Communication





**PHASE 3 SOLAR SITES**

Total First  
Year Output Behind the Meter or  
kWh On Bill Credit

Roof Sites	Location	BTM	On Bill Credit	Location
1	Ed Center roof, 100 Walnut St.	95,799	BTM	Roof
2	Fire Station #3 and Headquarters, 31 Willow Street, roof	77,395	BTM	Roof
3	Zervas Elementary School, 30 Beethoven Ave	216,094	BTM	Roof
4	FA Day Middle School roof, 21 Minot Place	303,215	BTM	Roof
5	Angier Elementary School gym roof, 1697 Beacon St	95,355	BTM	Roof
6	Williams Elementary School, 141 Grove Street	138,466	BTM	Roof
7	Cabot gym roof, 229 Cabot School	68,432	BTM	Roof
8	Crescent Street Housing	69,316	BTM	Roof
9	Carr School, 225, Nevada Street	68,486	BTM	Roof
Total Phase 3 Roof sites kWh			1,132,558	

10	Main Library, 330 Homer Street	262,909	BTM	Parking lot
11	Countryside Elementary School parking lot, 191 Dedham Street	383,040	OBC	Parking lot
12	North High School lots, 360 Lowell Ave.	973,560	OBC	Parking lot
13	Auburndale Cove, West Pine St.	398,677	OBC	Parking lot
14	250 Albermarle Road, on street parking	598,100	OBC	Parking lot
15	Pleasant Street lot	114,709	OBC	Parking lot
16	Forte Park	173,230	OBC	Parking lot
17	Brown Middle School lot, corner of Meadowbrook Road and Wheeler Road	466,029	OBC	Parking lot
18	Memorial Spaulding Elementary School parking lot, 250 Brookline Ave	178,639	OBC	Parking lot
19	Oak Hill MS parking lot, 130 Wheeler Road, behind Oak Hill Middle School	208,718	BTM	Parking lot
20	Ed Center parking lot, 100 Walnut St.	302,240	OBC	Parking lot
21	Bigelow Middle School parking lot, Park Street (behind Bigelow School)	286,550	BTM	Parking lot
22	Mason Rice Elementary School Parking lot, 149 Pleasant St	191,674	BTM	Parking lot
Total Phase 3 Canopy sites kWh			4,538,075	

	% of Municipal use
Phase 3 Total kWh	28%
Phase 2 Total kWh	21%
Phase 1 Total kWh	4%
All Phases kWh	52%

Municipal Total Use kWh

20,600,000

# NEWTON FREE LIBRARY

## RENOVATIONS - PHASED PLAN

### GROUND FLOOR

#### PHASE 1



##### PRIORITY 1

- Renovate new teen space (COMPLETED)

#### PHASE 2



##### PRIORITY 1

- Refinish stairs
- Paint Trustees Room

##### PRIORITY 2

- New carpet in atrium, meeting room A, meeting room B, and portions of second floor
- Remove Reference desk in atrium
- Druker Auditorium to receive new acoustic wall treatment, new paint and carpet

##### PRIORITY 3

- Circulation office, new carpet and paint
- Second floor study rooms and administrative suite new carpet.

#### PHASE 3



##### PRIORITY 1

- Expand children's room into existing large print & special collections areas
- Local history moved to third floor

##### PRIORITY 2

- ADA compliant restrooms
- Story room expanded

##### PRIORITY 3

- Refurnish children's room

#### PHASE 4



##### PRIORITY 1

- Staff offices relocated to the third floor
- Cafe / open study space to replace offices on east wing of first floor

##### PRIORITY 2

- Enlarge footprint of Druker Auditorium

##### PRIORITY 3

- Refurnish first floor
- Paint first and third floor

#### PHASE 5

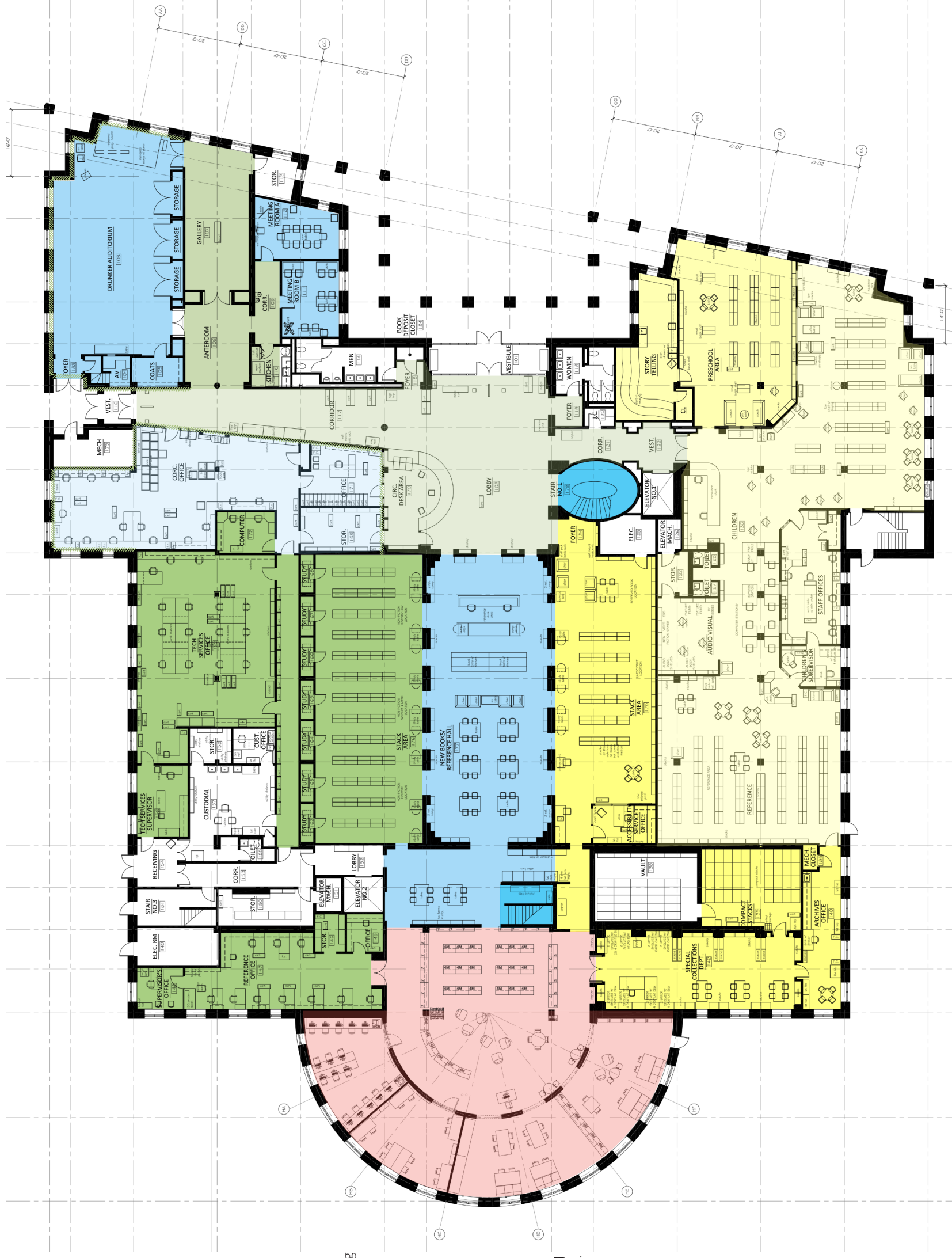


##### PRIORITY 1

- New Carpet in remaining second floor areas
- Repair second level
- Mechanical upgrades to cooling tower 2, Generator, Chiller, new roof membrane and code issues

##### PRIORITY 2

- Add study rooms & study bank
- Refurnish study seating & lounge seating







# NEWTON FREE LIBRARY

## RENOVATIONS - PHASED PLAN

### THIRD FLOOR

#### PHASE 1

##### PRIORITY 1

- Renovate new teen space  
**(COMPLETED)**

#### PHASE 2

##### PRIORITY 1

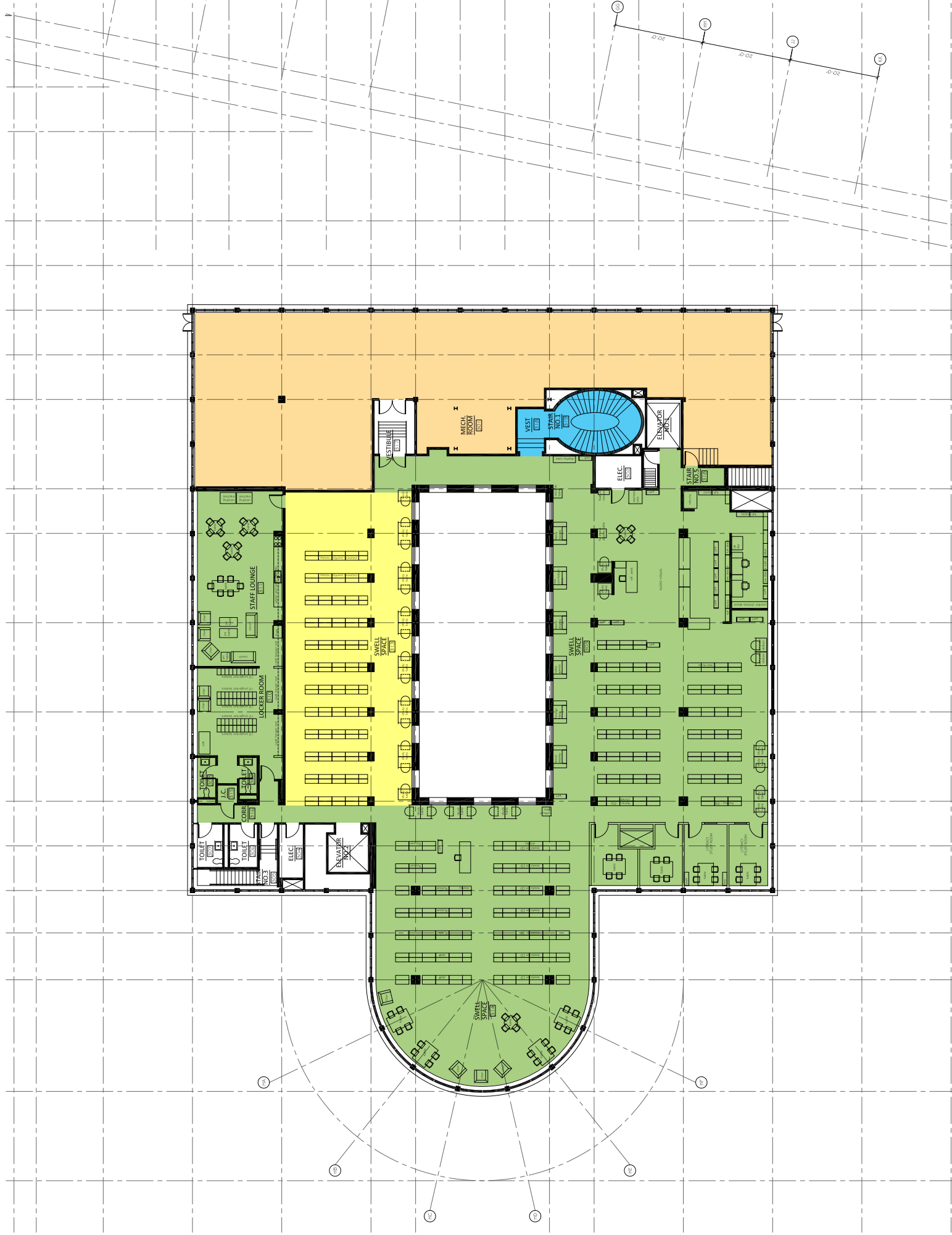
- Refinish stairs
- Paint Trustees Room

##### PRIORITY 2

- New carpet in atrium, meeting room A, meeting room B, and portions of second floor
- Remove Reference desk in atrium
- Druker Auditorium to receive new acoustic wall treatment, new paint and carpet

##### PRIORITY 3

- Circulation office, new carpet and paint
- Second floor study rooms and administrative suite new carpet.



#### PHASE 3

##### PRIORITY 1

- Expand children's room into existing large print & special collections areas
- Local history moved to third floor

##### PRIORITY 2

- ADA compliant restrooms
- Story room expanded

##### PRIORITY 3

- Refurnish children's room

#### PHASE 4

##### PRIORITY 1

- Staff offices relocated to the third floor
- Cafe / open study space to replace offices on east wing of first floor

##### PRIORITY 2

- Enlarge footprint of Druker Auditorium

##### PRIORITY 3

- Refurnish first floor
- Paint first and third floor

#### PHASE 5

##### PRIORITY 1

- New Carpet in remaining second floor areas
- Repair second level
- Mechanical upgrades to cooling tower 2, Generator, Chiller, new roof membrane and code issues

##### PRIORITY 2

- Add study rooms & study bank
- Refurnish study seating & lounge seating