

Fleet Street Area Reconstruction City of Portsmouth, NH

Parking and Traffic Safety Committee Update



January 5, 2023



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Project Team

- Department of Public Works
 - Zach Cronin, EIT, Assistant City Engineer
 - Eric Eby, P.E., City Engineer – Transportation
- Consultant Team
 - Engineer - Underwood Engineers
 - RSG – Traffic Modeling
 - Landscape Architect – Woodburn & Company



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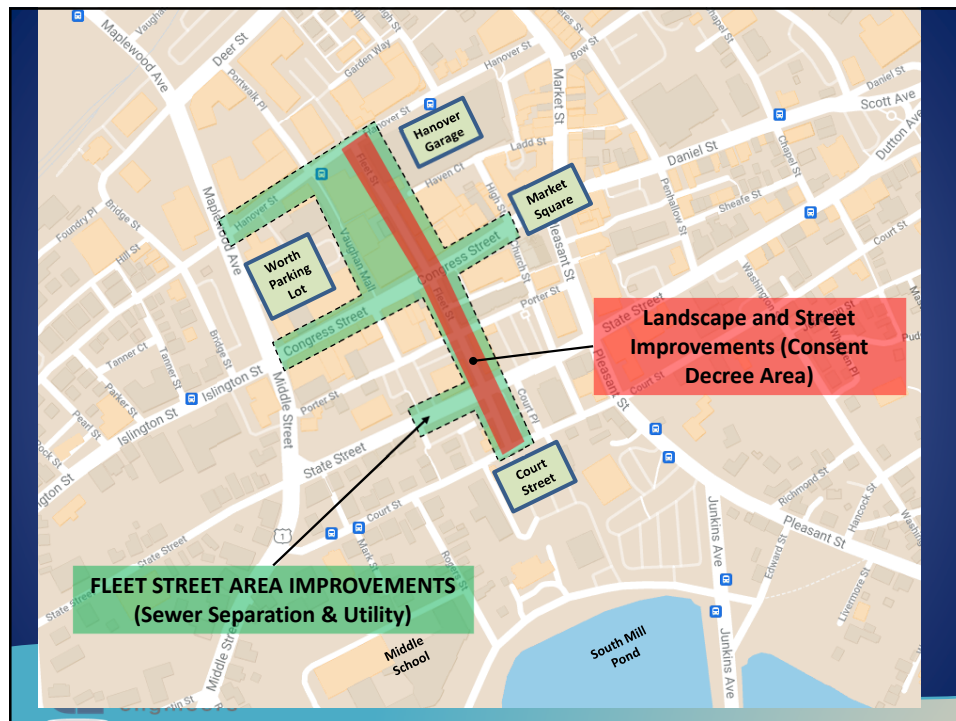
Purpose

- Review public info to date
- Review concepts presented for web survey
- Present survey results
- Provide recommendations



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Public Information To Date

- Engagement Session #1 - Listening
 - Completed May 6, 2021
- UE Office Hours
 - Completed June 2021
- Parking and Traffic Safety Meeting
 - November 16, 2021
 - Presented concepts for web survey
- Web Survey
 - November 2021 thru January 2022



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Concept Development

- Three concepts developed to be ranked via web survey
 - Concept A: Two-way traffic w/ no parking
 - Concept B: One-way traffic w/ parking
 - Concept C: One-way traffic w/ no parking
- Corridor split into two sections
 - From Congress Street to Hanover Street
 - From Court Street to Congress Street
- One-way travel direction northerly from Court Street to Hanover Street
- Available width does not permit construction of existing conditions (2-way with parking) with ADA compliant pedestrian amenities

Traffic modeling was used to evaluate impacts of one-way traffic circulation



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Concept Development

Traffic Modeling Results

“Projected changes in delay and queues associated with the one-way Fleet Street scenario are minimal and would not have a noticeable impact on operations.”

Fleet Street One-Way: Congestions Results Memo, RSG, Sept 16, 2021



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Concept Development


Concept A: Two-way traffic w/ no parking

- Maintains existing traffic patterns
- Improves pedestrian amenities to ADA minimum and provide lighting – “Narrow Sidewalk”



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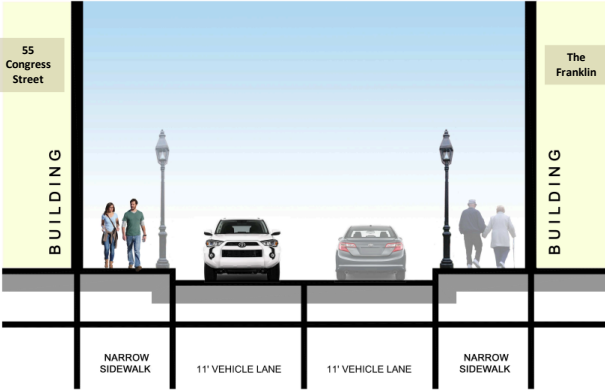
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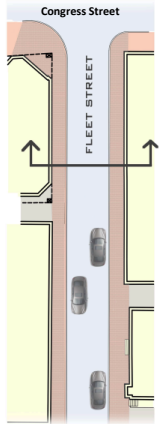
FLEET STREET AREA RECONSTRUCTION PROJECT

THE CITY NEEDS YOUR INPUT!

FLEET STREET DESIGN OPTIONS:



A. TWO WAY TRAFFIC - NO PARKING




SAMPLE PLAN A


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Concept Development


Concept B: One-way traffic w/ parking

- Moderate improvements to pedestrian amenities – “Wide Sidewalk”
 - Focus on “active” side of roadway
 - Trees
 - Benches for seating
- Maintain existing parking layout
 - Net addition of two (2) parking spaces (19 Total)
- Eliminate left-hand turn lane on Congress Street and replace with pedestrian amenities
- One-Way traffic pattern supported by traffic model




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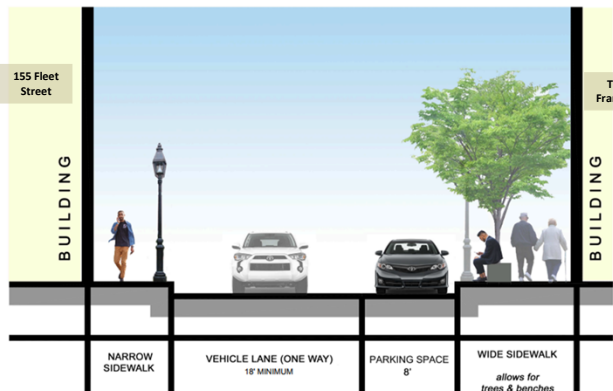
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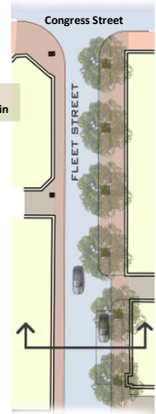
FLEET STREET AREA RECONSTRUCTION PROJECT

THE CITY NEEDS YOUR INPUT!

FLEET STREET DESIGN OPTIONS:

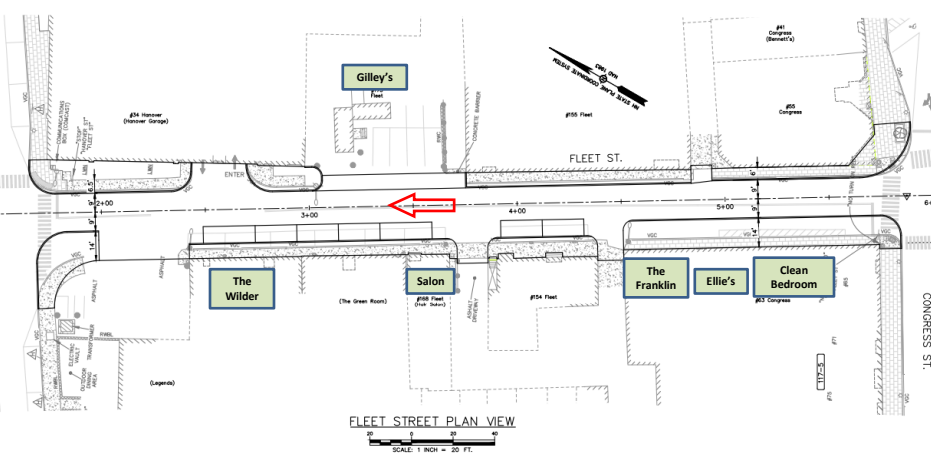


B: ONE WAY TRAFFIC - WITH PARKING




SAMPLE PLAN B

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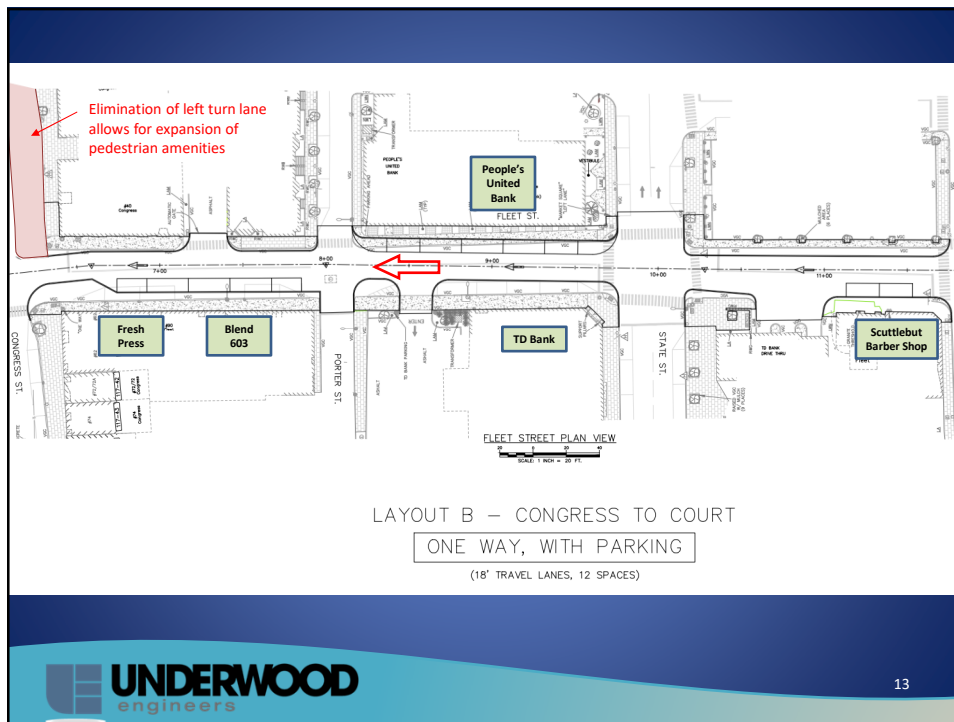


FLEET STREET PLAN VIEW
SCALE: 1" INCH = 30 FT.

LAYOUT B – HANOVER TO CONGRESS
ONE WAY, WITH PARKING
(18' TRAVEL LANE, 7 SPACES)



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Concept Development

Concept C: One-way traffic w/ no parking

- Maximizes pedestrian amenities – “Extra Wide Sidewalk”
 - Focus on “active” side of roadway
 - Trees
 - Seating areas with tables
- Eliminate left hand turn lane on Congress Street and replace with pedestrian amenities
- Provides most space for underground electrical vaults
- One-way traffic pattern supported by traffic model

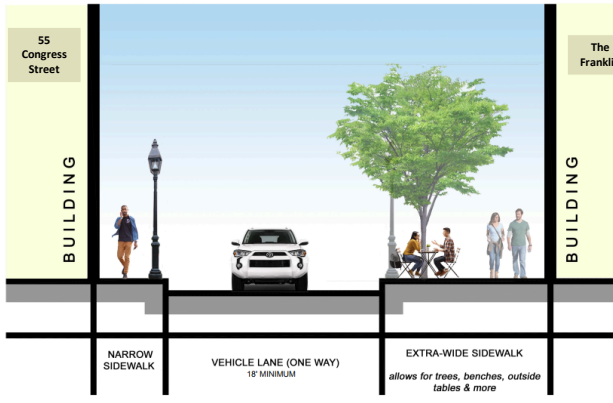
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FLEET STREET AREA RECONSTRUCTION PROJECT

THE CITY NEEDS YOUR INPUT!

FLEET STREET DESIGN OPTIONS:



55 Congress Street

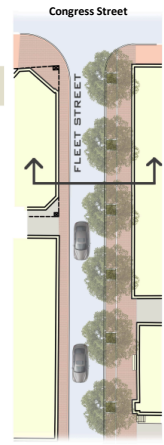
Building

Vehicle Lane (One Way)
18' MINIMUM

Extra-Wide Sidewalk
allows for trees, benches, outside tables & more

The Franklin

Building

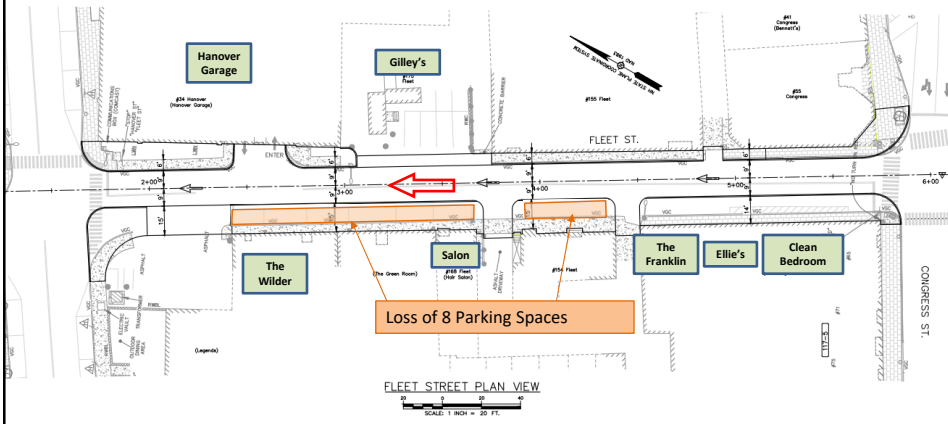


Congress Street

FLEET STREET

C: ONE WAY TRAFFIC - NO PARKING SAMPLE PLAN C


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Loss of 8 Parking Spaces

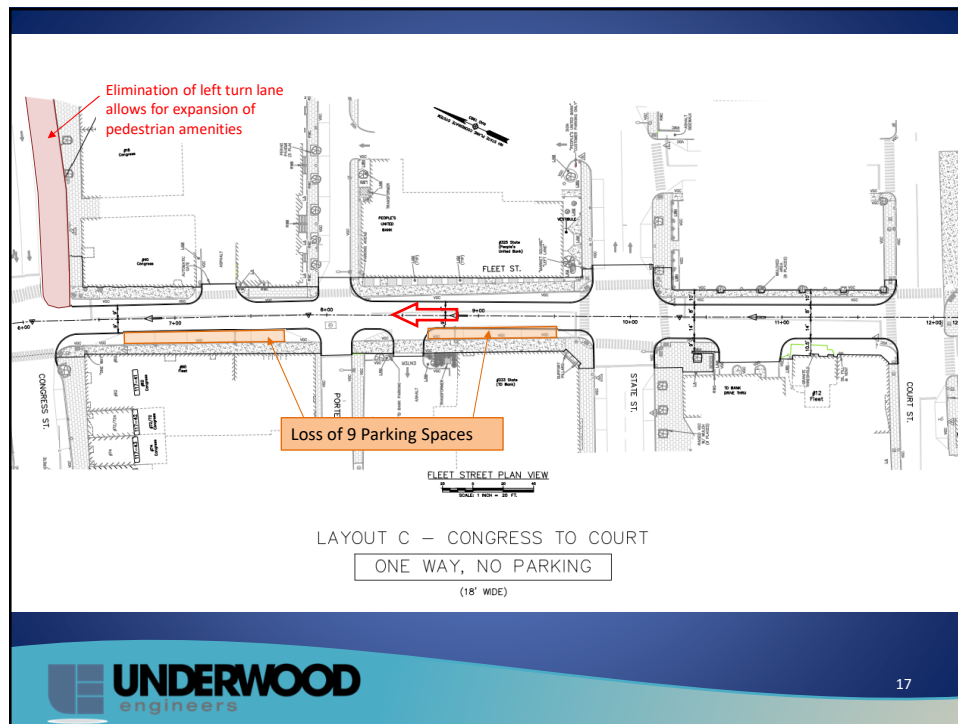
FLEET STREET PLAN VIEW
SCALE: 1" = 20' FT

LAYOUT C – HANOVER TO CONGRESS
ONE WAY, NO PARKING
(18' WIDE)



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Web Survey

- Desired as a method to increase public participation
 - Participation in public forums was limited
- Displayed poster with QR code in the project area directing public to web survey
- Active November 2021 through January 2022
 - 63 corridor resident and business participants
 - 486 general public participants
- Prioritize survey results from residents and businesses

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Web Survey

UNDERWOOD
engineers

19

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Web Survey

From Congress Street to Hanover Street

A: TWO WAY TRAFFIC - NO PARKING SAMPLE PLAN A

C: ONE WAY TRAFFIC - NO PARKING SAMPLE PLAN C

B: ONE WAY TRAFFIC - WITH PARKING SAMPLE PLAN B

D: No Change from Existing
(two-way traffic, parking one side)

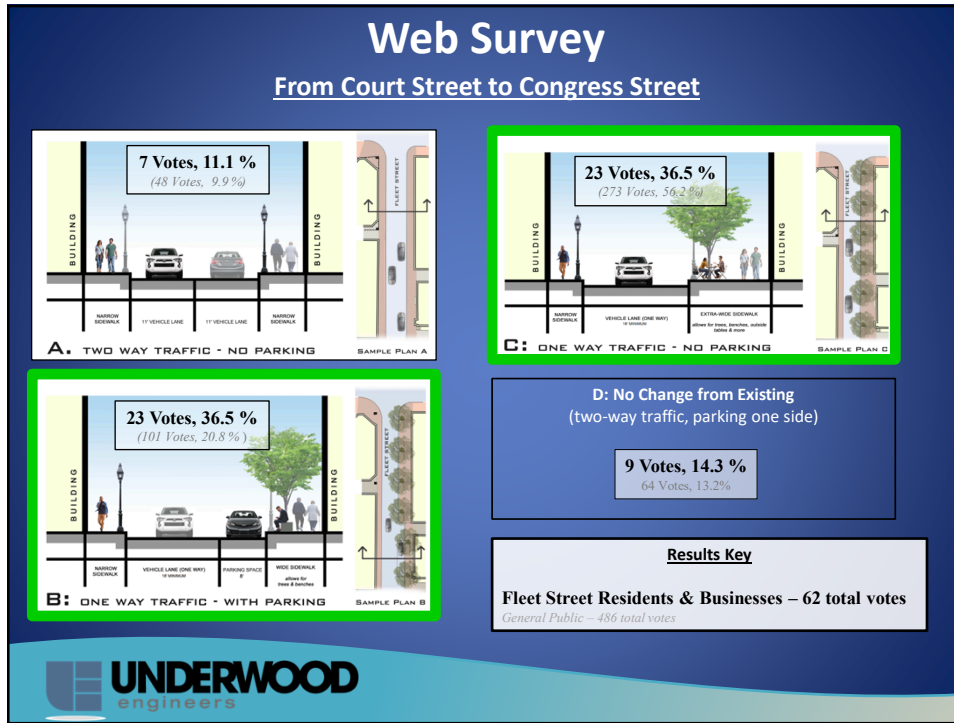
6 Votes, 9.5 %
40 Votes, 8.5 %

Results Key

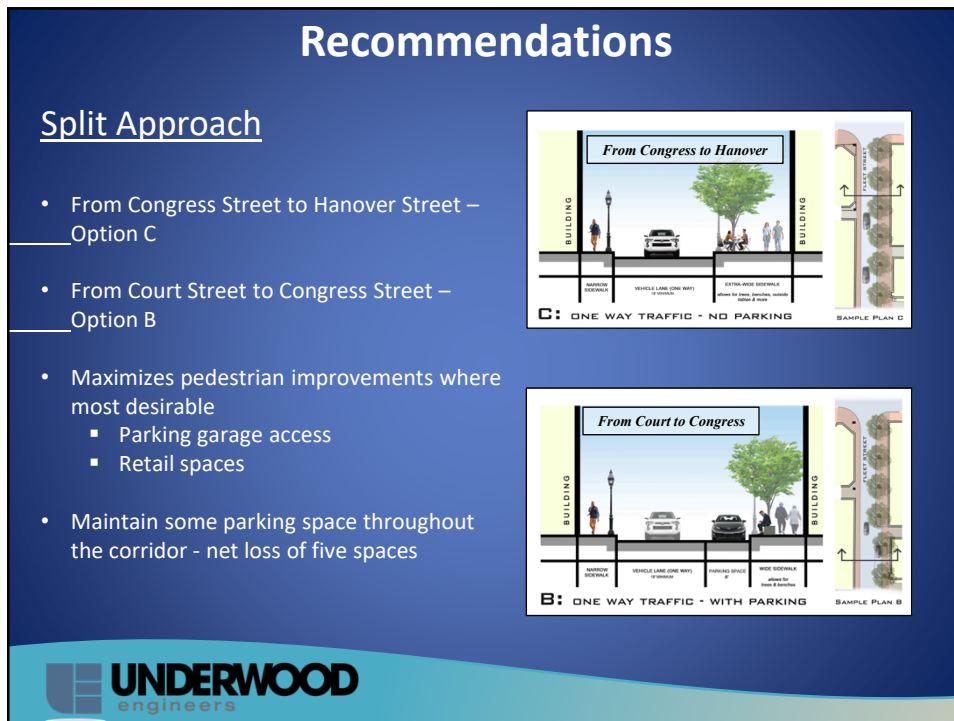
Fleet Street Residents & Businesses – 63 total votes
General Public – 471 total votes

UNDERWOOD
engineers

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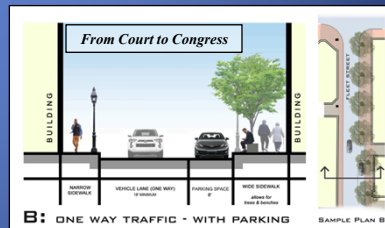
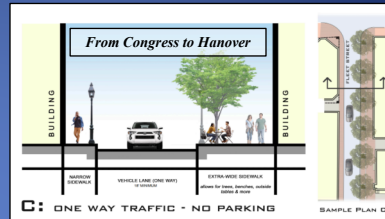


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Recommendations

Split Approach Cont'd

- Improve pedestrian features at Congress Street
- Provides best opportunity to accommodate underground utilities
- One-way traffic supported by traffic model simulation



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Project Schedule

- January 2023 - PTS Meeting – Present survey findings and recommendations
- Winter 2023 – PTS Committee provides feed back to concepts for concurrence
- Spring 2023 – City council review and approval of recommended roadway concepts
- Summer 2023 – Start final design phase
 - Following City approval of recommended roadway concepts
 - Public information meeting: present project status
- Start of Construction is dependent on:
 - City approval of recommended roadway concept
 - Completion of outfall improvements required at North Mill Pond to accommodate drainage improvements in the Fleet Street area



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