

## TECHNICAL MEMORANDUM

**REF:** NEX-2021185.03

**DATE:** July 1, 2022

**TO:** Town of Swampscott  
Swampscott Public Schools  
207 Forest Avenue  
Swampscott, MA 01907

**FROM:** Ms. Rebecca Brown, P.E., Senior Project Manager  
Ms. Nicole Rogers, P.E., Project Engineer

**RE:** Temporary Traffic Circulation – Blaney School / Hadley School  
Swampscott, MA

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## INTRODUCTION

Greenman-Pedersen, Inc. (GPI) has provided this narrative to accompany the proposed temporary traffic circulation plans meant to support the temporary relocation of Stanley School students during the demolition and construction of the new Swampscott Elementary School. Demolition of the existing Stanley School will begin Summer 2022, prior to the construction of the new Swampscott Elementary School, which will require Stanley School students to be temporarily relocated. Current Stanley School students in Grades 1-4 will be temporarily shifted to the Blaney School site at 50 Blaney Street, while the kindergarten students will be moved to the Hadley School at 24 Redington Street. As these sites are located in close proximity, along narrow roadways with parking and capacity constraints, it is imperative to develop a transportation circulation plan to address safety and efficiency of traffic in the area surrounding the two school sites.

This narrative will break down the loading/unloading, access to site and exiting site for both the Hadley School and Blaney School.

## HADLEY SCHOOL OPERATIONS

### Loading/Unloading

Loading and unloading for Hadley School will no longer be allowed on Redington Street and rather is proposed to occur along Monument Avenue and Elmwood Road adjacent to the Linscott Park. Students will access the school via an accessible, asphalt path. Areas along Monument Avenue and Elmwood Avenue will be hatched out to designate these loading areas and discourage parking. No parking signs will be provided along these segments and are to read ("No Parking 7:30 AM to 3 PM School Days"). The removal of on-street parking will displace existing staff parking. The Town recently purchased the parcel on which Anthony's Pier 4 currently resides. Staff will be directed to park in this lot. Staff will cross Humphrey Street at the traffic signal, which provides exclusive pedestrian phasing, to access the school.

### Access

Vehicles will be able to access Monument Avenue and Elmwood Road just as they would in existing conditions. Traffic control will remain at the intersection of Monument Avenue and Elmwood Road to facilitate

safe traffic movements. The major traffic modification comes in the formalization of Redington Street to be one-way southbound from Rockland Street to Humphrey Street. While parents will still be allowed to travel southbound on Redington Street, they will not be able to load/unload their child as the roadway will now provide two lanes of southbound moving traffic.

### **Exiting**

Parents will be allowed to load/unload on the Monument Avenue and Elmwood Avenue segments adjacent to the Linscott Park. After loading/unloading, parents have several options to leave the area:

- If dropping off along the Monument Avenue section, parents can continue northerly onto Monument Avenue or turn around at the traffic circle at the Monument Avenue/Elmwood Road intersection. Traffic control will remain at this intersection.
- If dropping off along the Elmwood Road section, parents can continue northerly onto Sheridan Road to Walker Road or continue either northerly or southerly onto Redington Street. Southbound vehicles on Redington Street will be allowed to bypass queued Blaney School traffic as Redington Street will be formally converted to a one-way street southbound from Rockland Street to Humphrey Street. This will allow for the designation of two southbound lanes: a through bypass lane and a designed left turn lane to access Blaney Street. A designated left turn lane and designated right turn lane will be provided for the southbound approach of Redington Street at the signal-controlled intersection with Humphrey Street at which points vehicles can continue either easterly or westerly onto Humphrey Street depending on their final destination.

## **BLANEY SCHOOL OPERATIONS**

### **Loading/Unloading**

Loading/Unloading for the Blaney School is proposed within a designated area along Blaney Street from Redington Street to Rose Street (to be hatched out). On-street parking within this segment will be removed during school hours. No parking signage will be provided periodically along this segment and are to read ("No Parking 7:30 AM to 3 PM School Days"). On-street parking will remain on Blaney Street east of Rose Street as currently regulated.

### **Access**

All vehicles will access Blaney Street from Redington Street southbound (as no vehicle will be able to access Redington from the south via Humphrey Street due to one-way conversion).

- If accessing the school from the north or west, parents will be directed to access the school via Redington Street southbound and continue onto Blaney Street via the provided designated left turn lane. Parents will drop off in the designated loading/unloading zone on Blaney Street that extends from just east of Redington Street to Rose Street.
- If accessing from the west as most are expected to do, parents will be advised to use either Greenwood Avenue or Cedar Hill Terrace to access King Street. The section of King Street from Greenwood Avenue to Redington Street will be converted to a formal one-way road heading westbound. This will allow for neighborhood on-street parking to remain while allowing traffic to pass through on this relatively narrow roadway. Once onto King Street, parents will take a left onto Redington Street southbound. There is intended to be a traffic control officer at the intersection of King Street and Redington Street to facilitate safe traffic movements and pedestrian crossings. Parents will continue southerly onto Redington Street and turn left onto Blaney Street via the designated left turn lane. Parents will drop off in the designated loading/unloading zone on Blaney Street that extends from just east of Redington Street to Rose Street.

### **Exiting**

Once the student has been dropped off / picked-up within the designated loading/unloading zone on Blaney Street that extends from just east of Redington Street to Rose Street, parents have three options.

- They may continue down Blaney Street to the intersection at Humphrey Street where there will be a traffic control officer facilitating safe traffic movements. Parents will then be allowed to continue either easterly or westerly onto Humphrey Street depending on their final destination.
- They may exit out Rose Street (which will be converted to a formal one-way road heading northbound) and westerly onto Rockland Street. Vehicles may then continue southerly onto Redington Street via the bypass through lane down to the intersection of Redington Street/Humphrey Street. Parents will then be allowed to continue either easterly or westerly onto Humphrey Street depending on their final destination.
- They may exit out Rose Street (which will be converted to a formal one-way road heading northbound) and easterly onto Rockland Street (which will be converted to a formal one-way road heading eastbound from Rose Street to Greenwood Avenue) at which point they can continue northerly onto Greenwood Avenue.

## **CONCLUSIONS**

The proposed circulation alternative will be advanced to a final design plan for implementation by the Town. Due to the short timeframe to design and implement improvements, these improvements, as described focus on short-term, temporary modifications related to the roadways, intersections, traffic control, signage, flow of circulation, parking areas, bus stops, etc.

## APPENDIX

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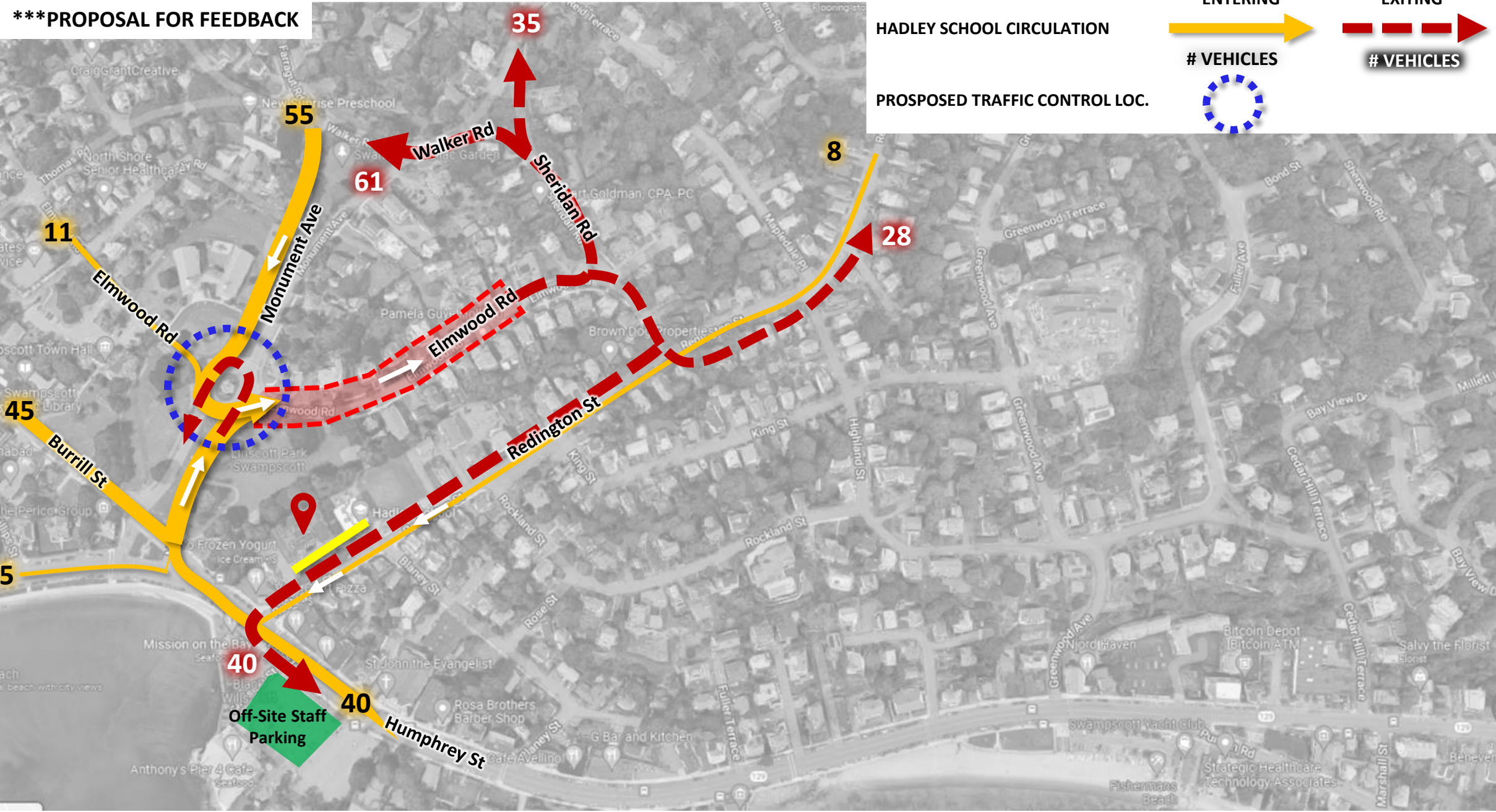
- *Hadley School Temporary Traffic Circulation*
- *Blaney School Temporary Traffic Circulation*
  - *Combined Temporary Traffic Circulation*
    - *Traffic Mitigation Plan Set*



## **HADLEY SCHOOL TEMPORARY TRAFFIC CIRCULATION**

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\*\*\*PROPOSAL FOR FEEDBACK



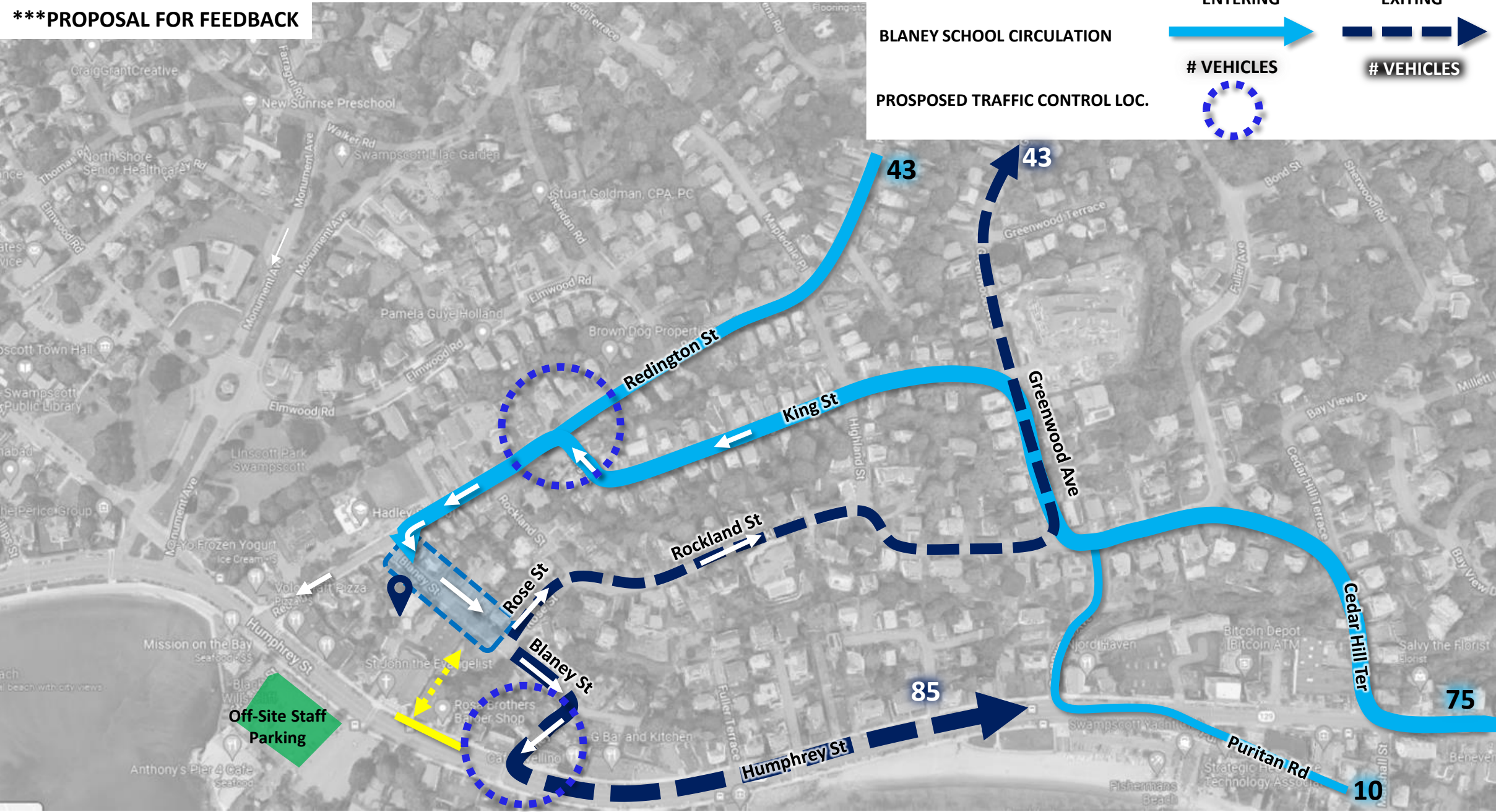
Swampscott - Blaney School Preliminary Circulation Layouts

## **BLANEY SCHOOL TEMPORARY TRAFFIC CIRCULATION**

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\*\*\*PROPOSAL FOR FEEDBACK



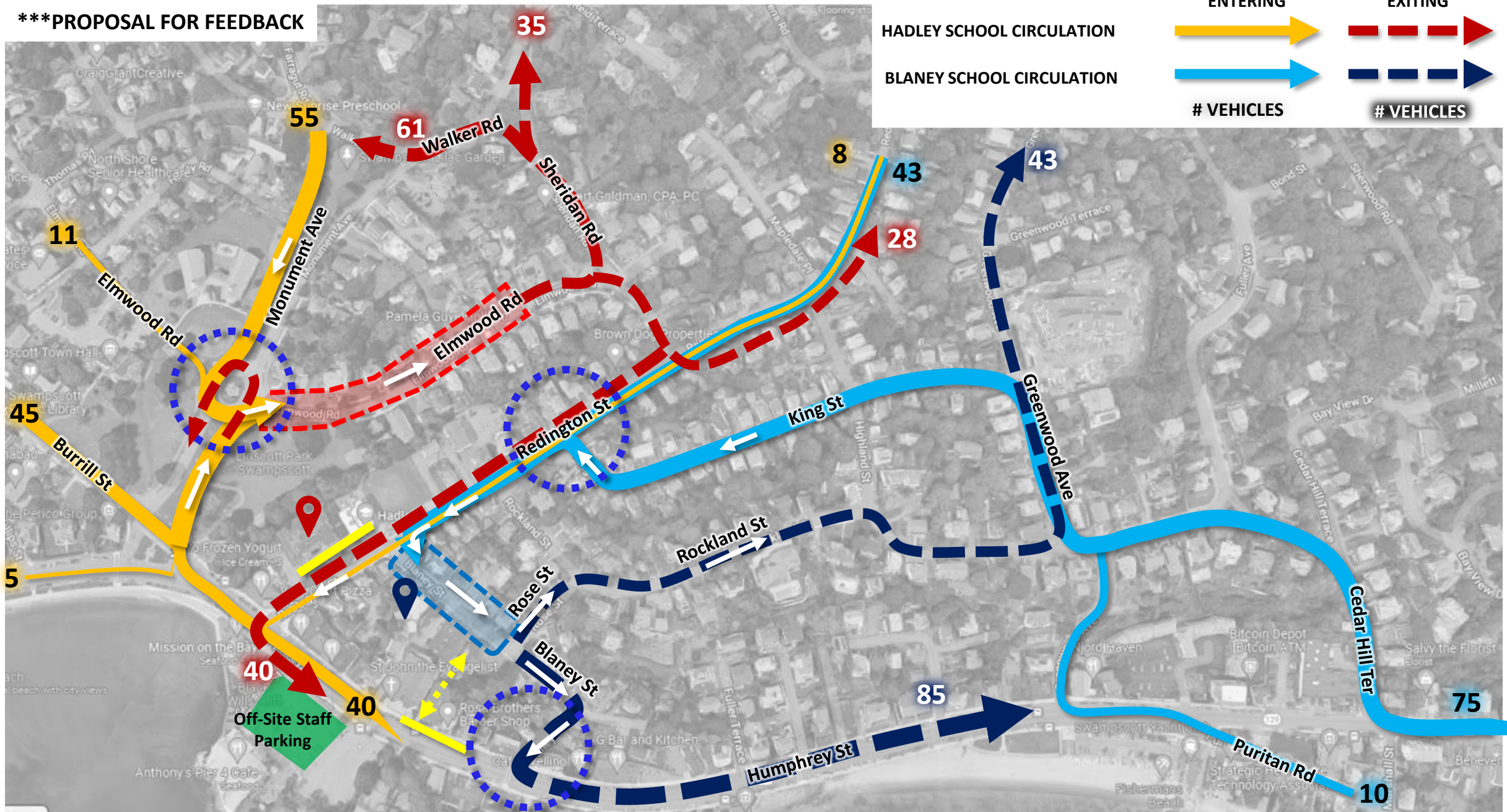
Swampscott - Blaney School Preliminary Circulation Layouts

## COMBINED TEMPORARY TRAFFIC CIRCULATION

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# \*\*\*PROPOSAL FOR FEEDBACK



Swampscott - Blaney School Preliminary Circulation Layouts

PROPOSED TRAFFIC CONTROL LOC.



## TRAFFIC MITIGATION PLAN SET

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## REVISIONS

NO.	REVISION	DATE
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DRAWN/DESIGN BY NAR	CHECKED BY XXX
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SCALE: 1"=40'

2 OF 4

