



ROUTE 4, BRIDGE OVER PALISADE AVENUE, WINDSOR ROAD AND CSX RAILROAD BRIDGE IMPROVEMENT

Public Information Center

Teaneck Township, Bergen County, New Jersey

June 2026



PROJECT LOCATION MAP

Route 4 Mile Post 6.95 to 7.03



PROJECT INTRODUCTION

- Bridge Improvements
- Roadway Improvements
- Drainage Improvements

BRIDGE REPLACEMENT

Proposed Bridge

- **Length** = 504'
Width = 102.5'
- 5 Spans
- Improved Horizontal and Vertical Clearances

Existing Bridge

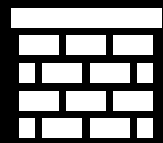
- Constructed in 1931
- **Length** = 495'
Width = 78.8'
- 8 Spans
- Structurally Deficient and Functionally Obsolete



PROPOSED STRUCTURES



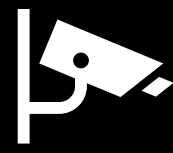
**One 5 Span
Continuous Bridge**



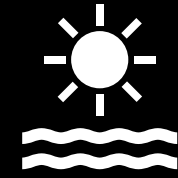
**Four Retaining
Walls**



**One Cantilever
Sign Structure
(Queen Anne Road
exit sign)**



One CCTV Camera



**Two Detention
Basins**

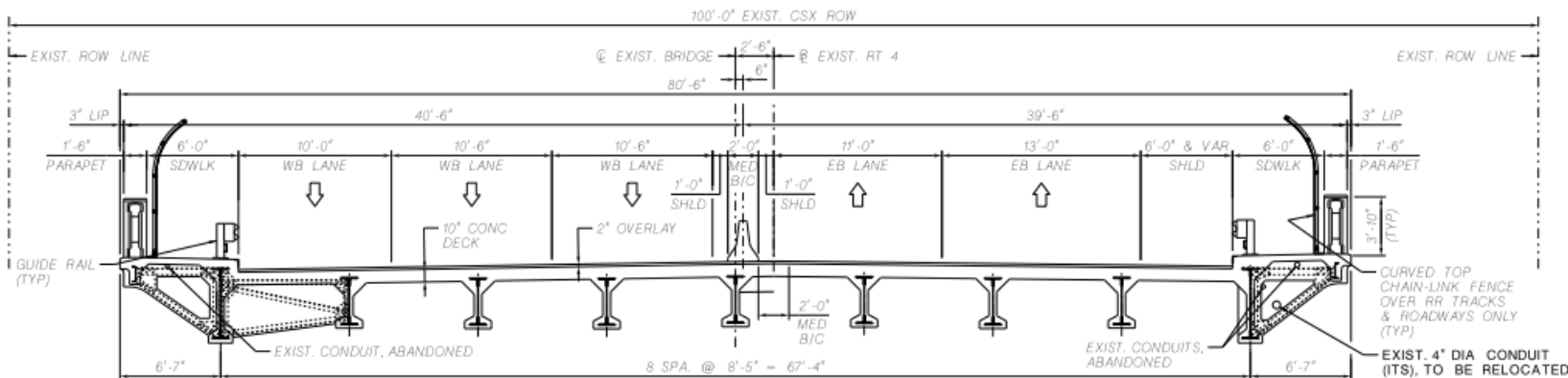
- One Underground
- One Under the Bridge

THREE STAGE CONSTRUCTION

STAGE 1 – Construction

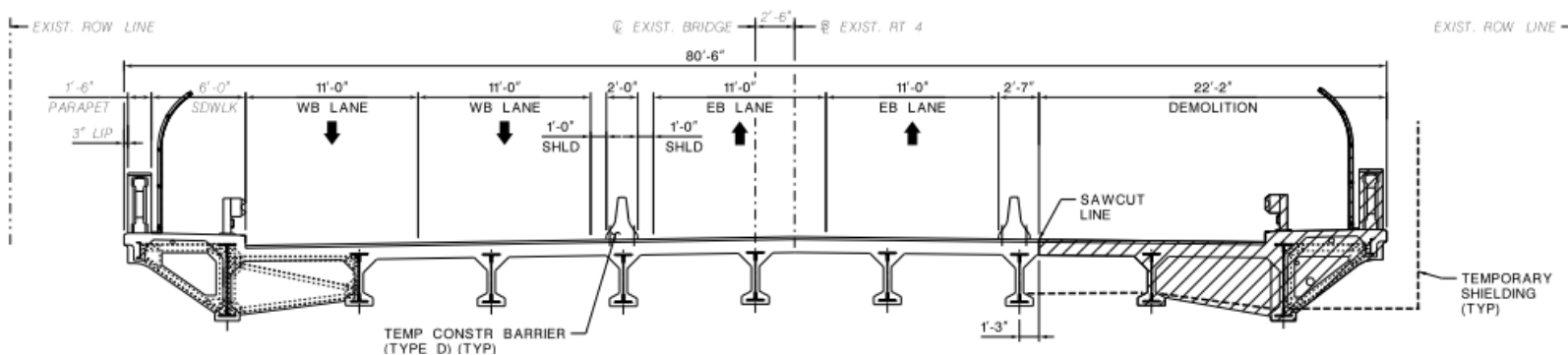
Top Section

Typical Section - Existing



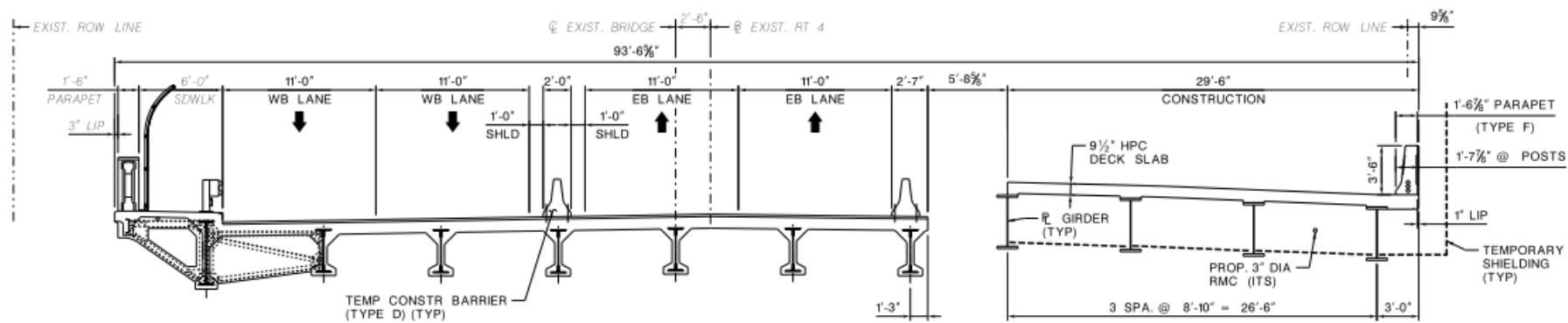
Middle Section

Stage 1 - Demolition



Bottom Section

Stage 1 - Construction

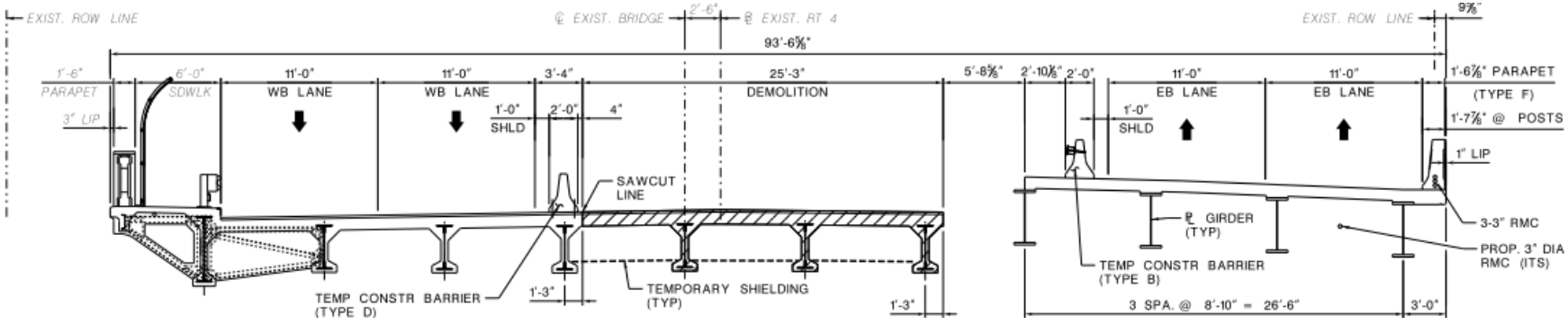


THREE STAGE CONSTRUCTION

STAGE 2 & 3 – Demolition & Construction

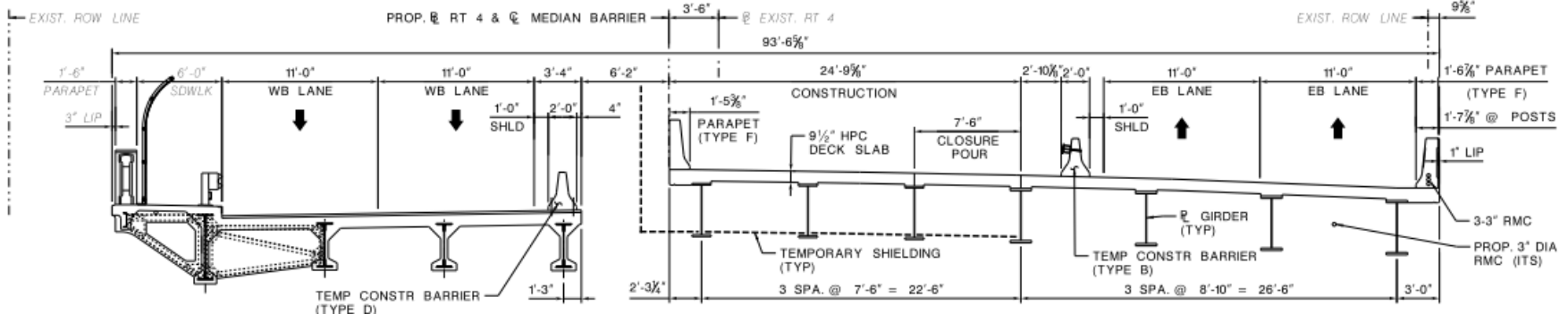
Top Section

Stage 2 - Demolition



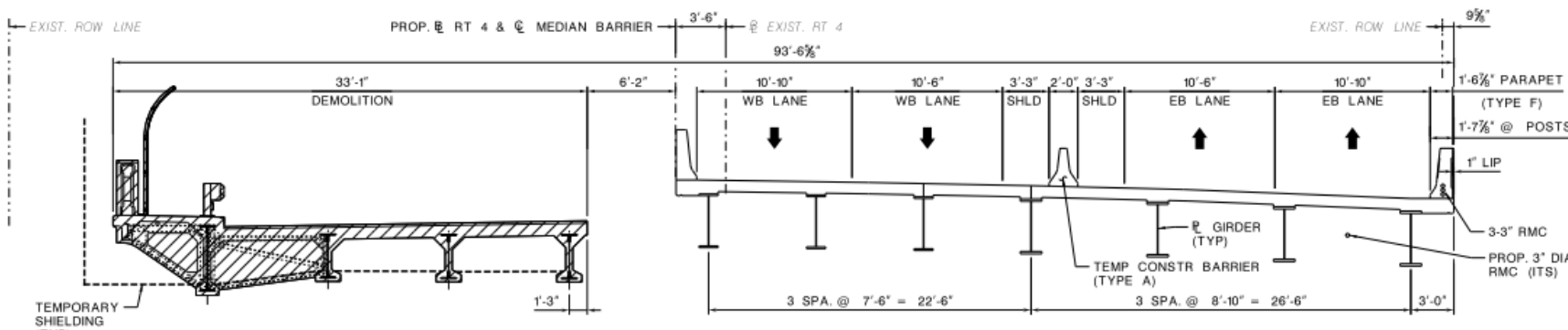
Middle Section

Stage 2 - Construction



Bottom Section

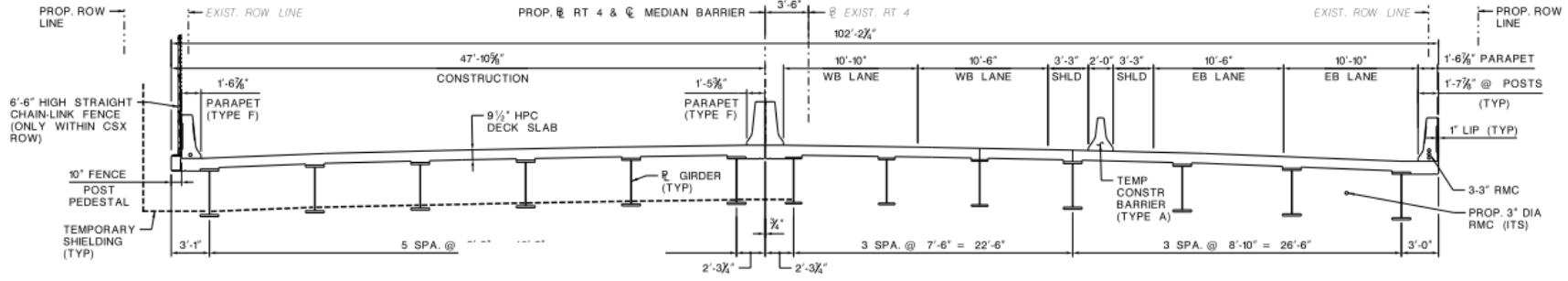
Stage 3 - Demolition



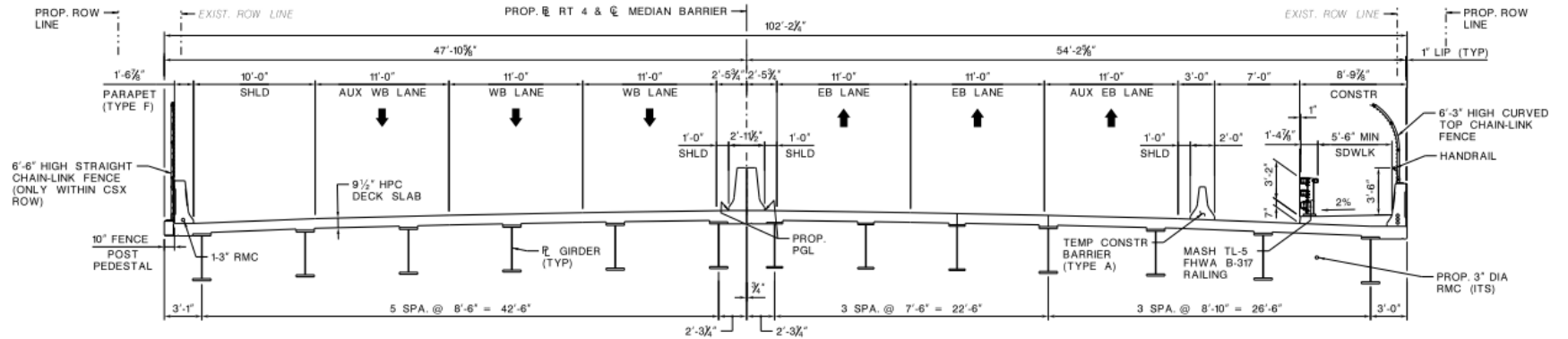
THREE STAGE CONSTRUCTION

STAGE 3A & B – Construction

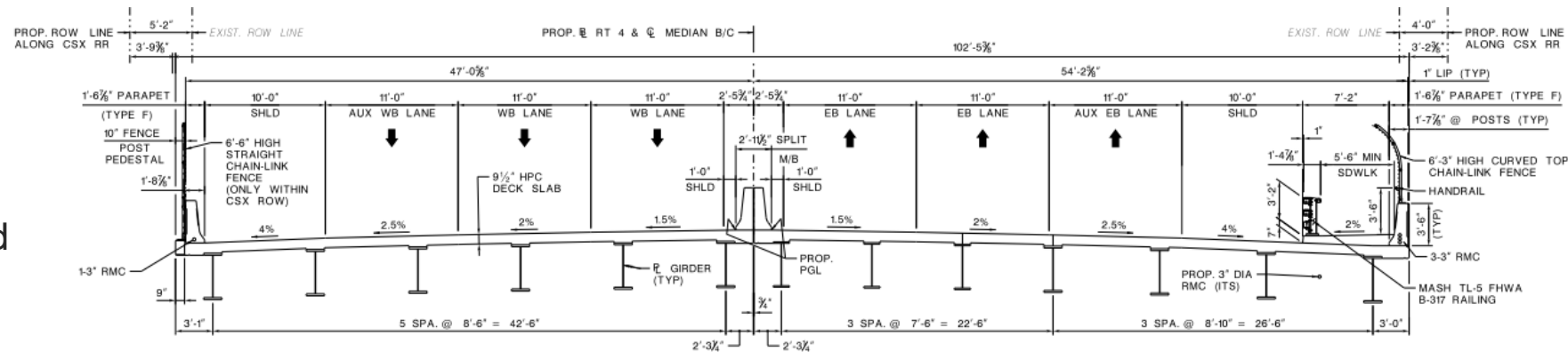
Top Section
Stage 3A - Construction



Middle Section
Stage 3B - Construction



Bottom Section
Typical Section - Proposed



TRAFFIC FLOW DURING CONSTRUCTION



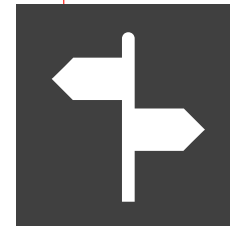
2 lanes of traffic will be **maintained in each direction** during construction.



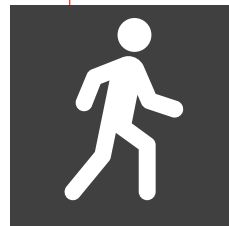
3 Main Construction Stages – approximately 9 months each.



There are **no detours for Route 4 traffic**.



Short duration traffic detours may be necessary for Belle Ave, Palisades Ave and Windsor Road during utility relocations and roadway reconstruction.

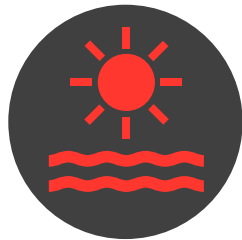


Pedestrian traffic to be **diverted** to Sagamore Avenue **during Stage 3**.

CONSTRUCTABILITY CHALLENGES



Overhead Utilities
along south side of
Route 4.



Required two
detention basins for
stormwater
management within
the project limit.



Greenbelt and Green
Acre parcels along
both sides of route 4
parallel to the bridge.



Three CSX tracks (3)
under one span – No
track outage.

ROADWAY IMPROVEMENTS

ROADWAY RECONSTRUCTION

Existing Roadway

- EB two 12' lanes with a 6' shoulder.
- WB three 10' lanes with no shoulder.
- Non-compliant deceleration lane from Rt. 4 EB to/from Belle Ave.

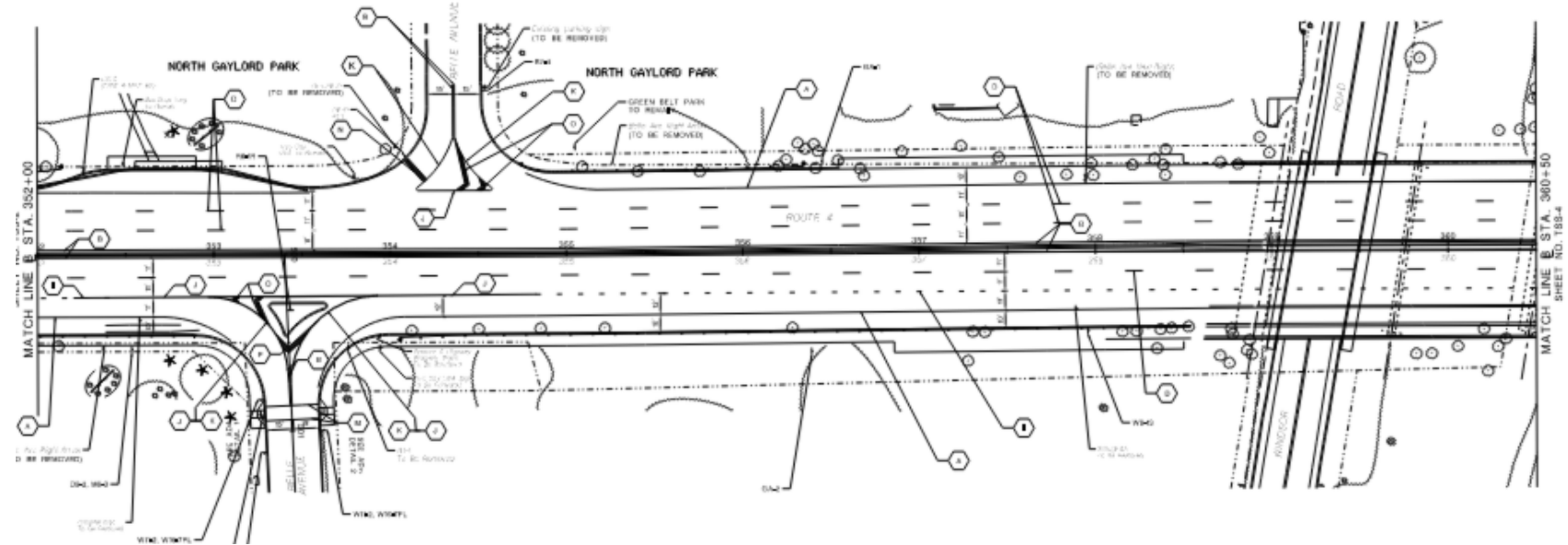
Roadway Improvements

- Provide three 11' lanes in each direction.
- Provide an acceleration lane from Belle Ave. to Route 4 EB.
- Improve deceleration lane from Route 4 EB to Belle Ave.
- Improve transition geometry from three lanes to two lanes at the Garrison Avenue Bridge through striping and signing.

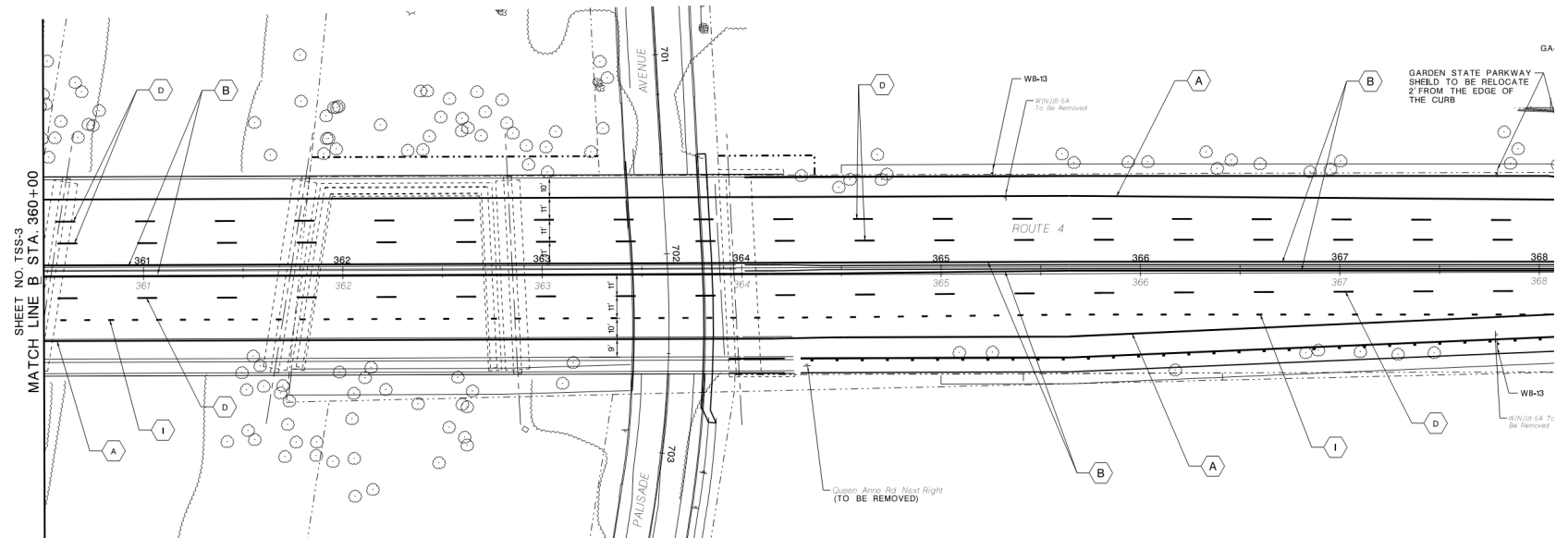


ROADWAY RECONSTRUCTION

New roadway layout in the proposed condition.



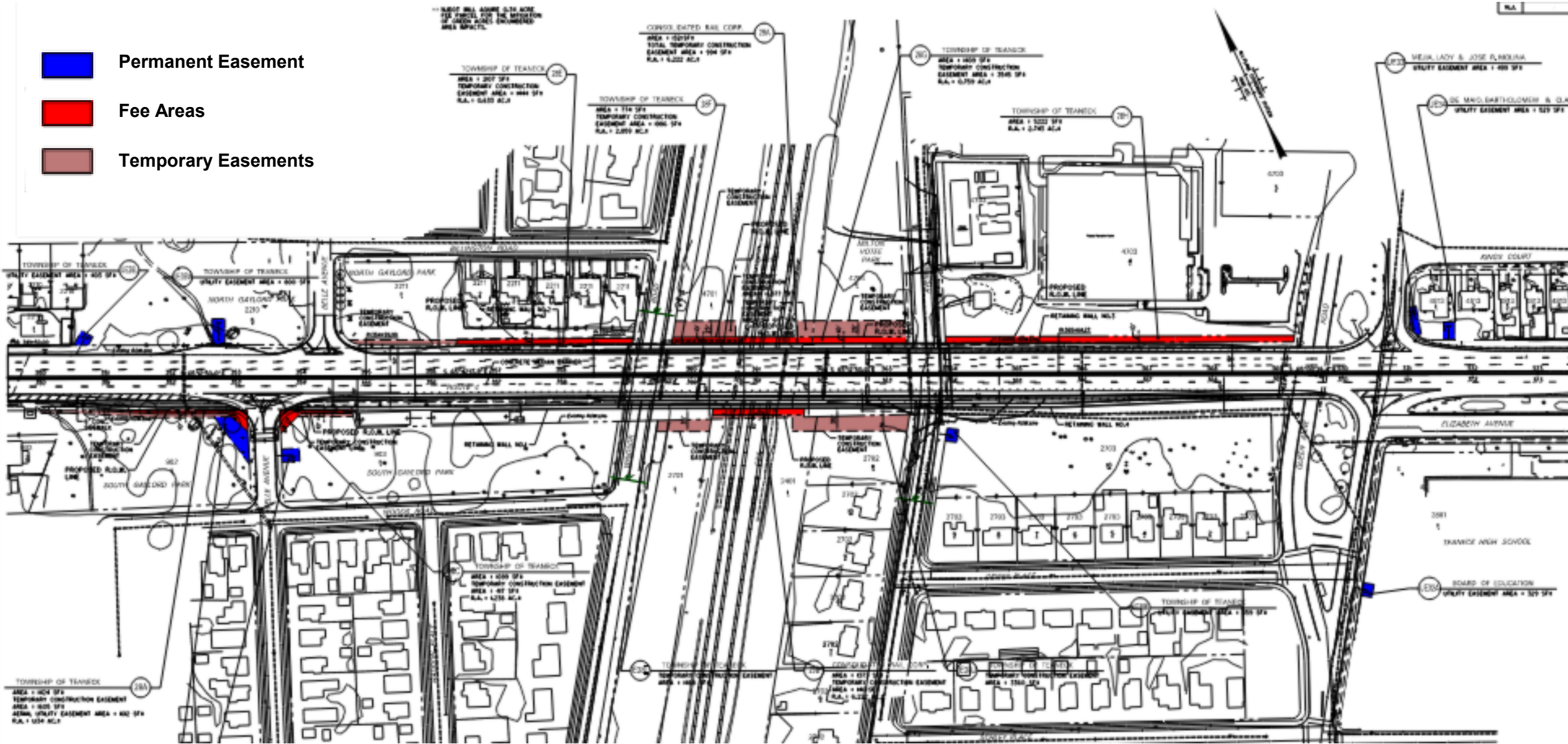
Both eastbound and westbound will have three lanes and 10-foot shoulders.



Route 4, Bridge over Palisade Avenue, Windsor Road and CSX Railroad Bridge Improvement

ROADWAY RECONSTRUCTION

- Permanent Easement
- Fee Areas
- Temporary Easements



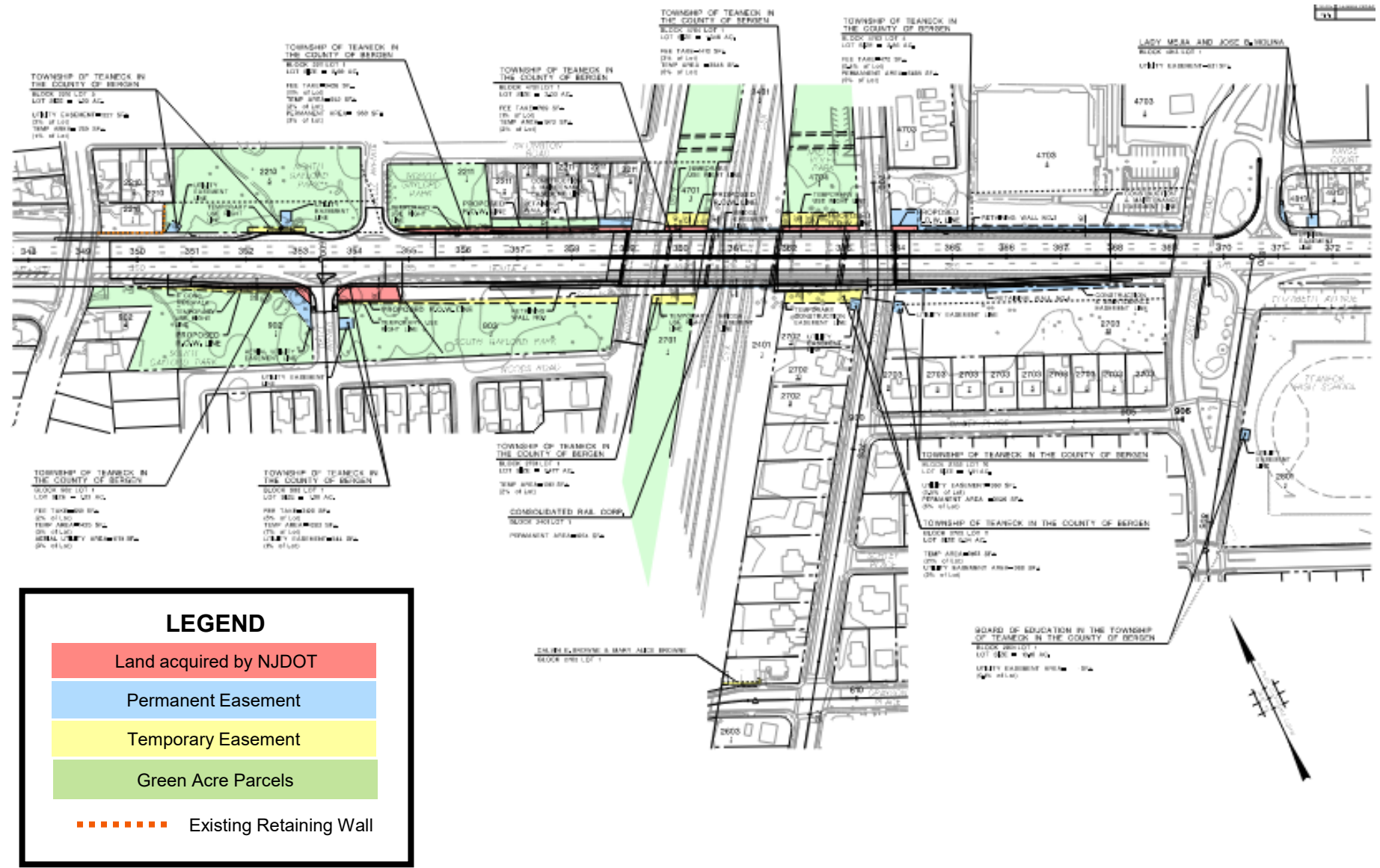
RIGHT OF WAY IMPACTS



- Six Township owned parcels to be acquired in fee. The fee take areas total 0.24 acre.
- The permanent easement area totals 0.28 acre. Of these parcels, two are CSX owned to be acquired as permanent bridge easements.
- The utility easements total 0.14 acre.
- There are several temporary construction easement areas that are required for the placement of the cranes and grading. The temporary easements total 0.39 acre.

**IMPACTS TO
GREEN ACRE
AND PARKLAND
PROPERTIES**

GREEN ACRE IMPACTS



PARKLAND IMPACTS

Total permanent easements = 0.25± acre

Total temporary easements = 0.42± acre

Total parkland diversion = 0.59± acre

Area of tree impacts = 0.48± acre

NJDEP Review determined all impacts fall under minor diversion. Final Application is under review by NJDEP.

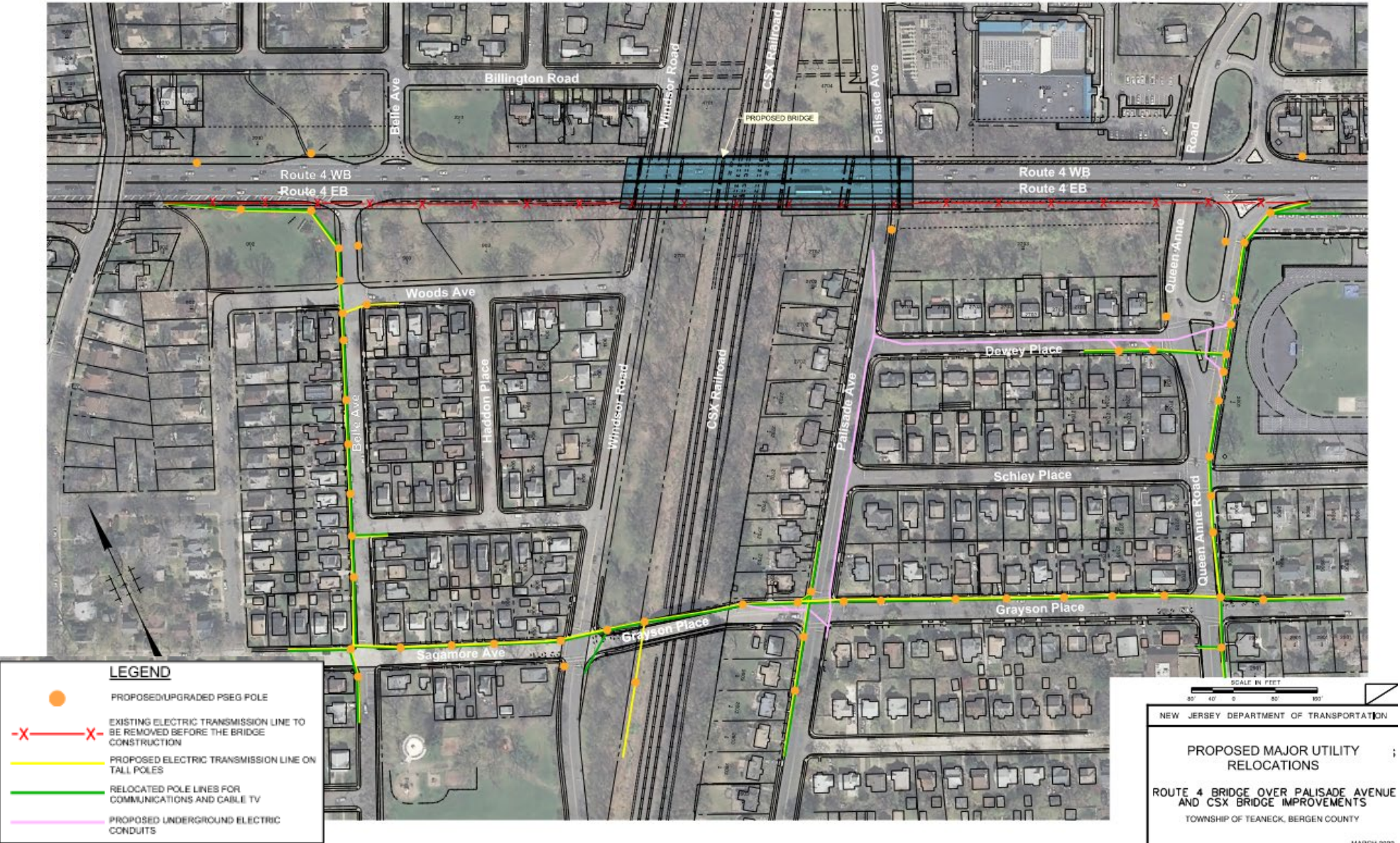
NJDOT is mitigating this loss by acquiring a parcel of land off site in Teaneck (on Shepard Ave between Buffett Terrace and Oak Street) to protect and give back to the township.

UTILITY RELOCATIONS AND ITS



- Prior to bridge construction all overhead utilities (10 Total) in the Route 4 corridor except ITS will be relocated along local roads using new poles and ductbanks.
- Existing ITS along the south side will be temporarily relocated along north side in Stage 1.
- There will be a proposed closed circuit television camera (CCTV) in NJDOT's right of way in the area of Queen Anne Road.

UTILITY DESIGN

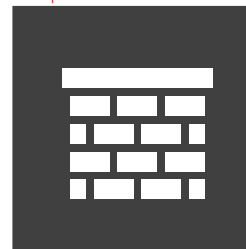


DRAINAGE IMPROVEMENTS

STORMWATER MANAGEMENT



The project will add 1.2 acres of new impervious area.



NJDOT will detain the water from the widened Route 4 in the above ground and underground detention basins.

- Understructure between Palisade Ave and CSX
- Underground in NDOT ROW along EB side of Route 4, next to Belle Ave.

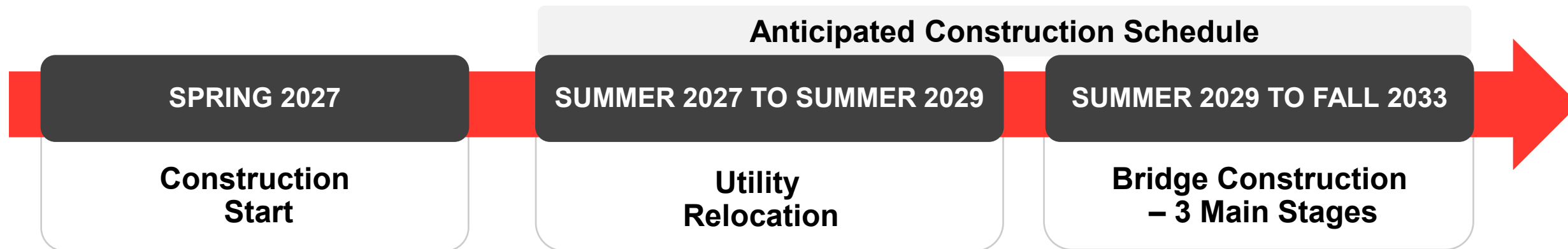


The water from the basins will drain into existing drainage pipes.



Above ground basins will be completely fenced.

PROJECT SCHEDULE



Notes:

1. No detours are anticipated for Route 4 traffic; however, some temporary overnight lane closures (reduced to one lane) may be required for bridge construction.
2. No overlap in construction zone with other bridge construction along Route 4.

THANK YOU



Please visit the website between June 8 and June 22, 2026 to learn more about the project and leave comments.

Route4overCSXTeaneck.com

For further information, please contact:

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