

Thank you for joining the meeting!

At this time, we respectfully request the following:

1. Please mute your microphones.
2. Please enter your question(s) in the chat box or wait until the end of the presentation to ask your question.

Intersection Improvements of Morris Street (CR 510) and Ridgedale Avenue

Public Information Center Meeting

Date: October 9, 2024





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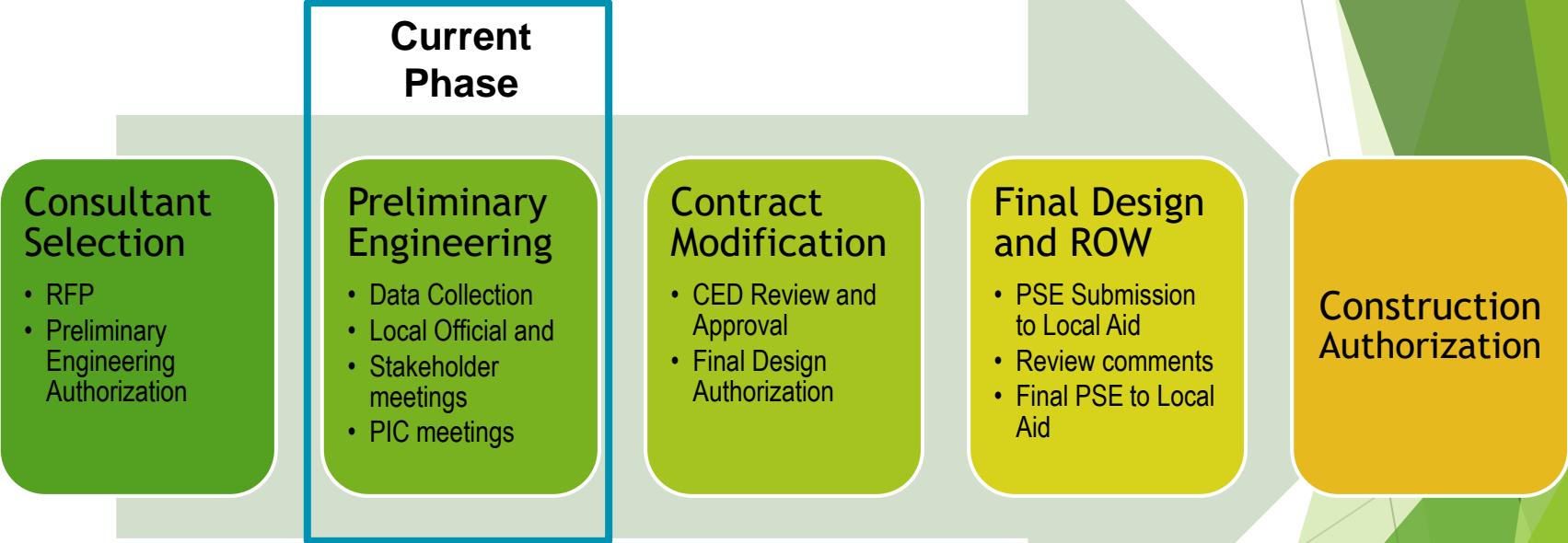
Agenda

- ▶ Project Funding
- ▶ Federal Process and Project Timeline
- ▶ Project Location
- ▶ Purpose and Need
- ▶ Existing Conditions
- ▶ Traffic Analysis, Crash Analysis, and Existing Conditions
- ▶ Proposed Improvements
- ▶ Next Steps
- ▶ Questions and Comments

Project Funding

- ▶ Funds provided by: Federal Highway Administration (FHWA)
- ▶ Funded through: North Jersey Transportation Planning Authority (NJTPA) Metropolitan Planning Organization (MPO) for Northern New Jersey
- ▶ Funding Program: Local Safety Program using Highway Safety Improvement Program (HSIP) funds

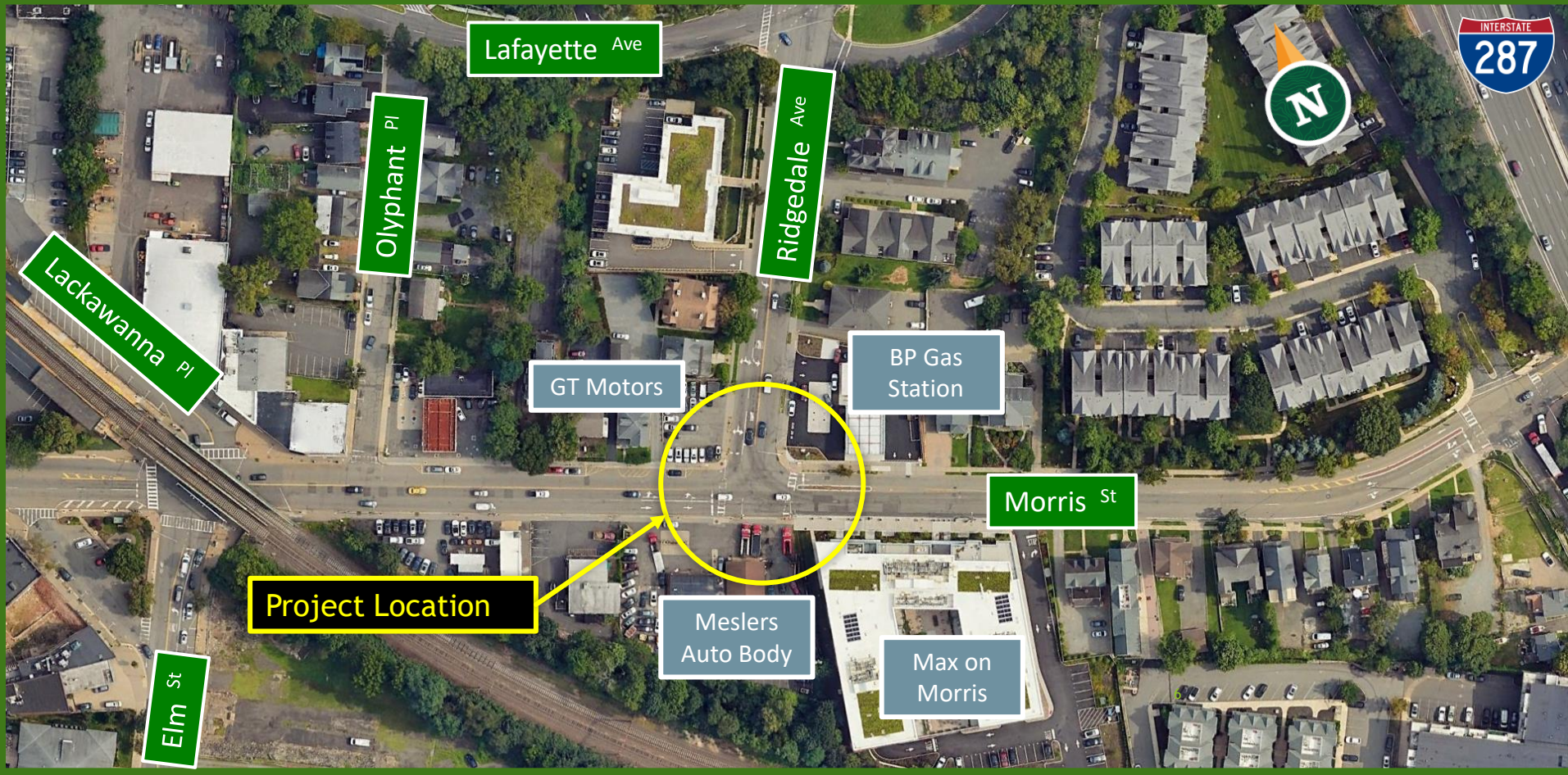
Federal Process and Project Timeline



Start to Finish ~ 5 years



Project Location



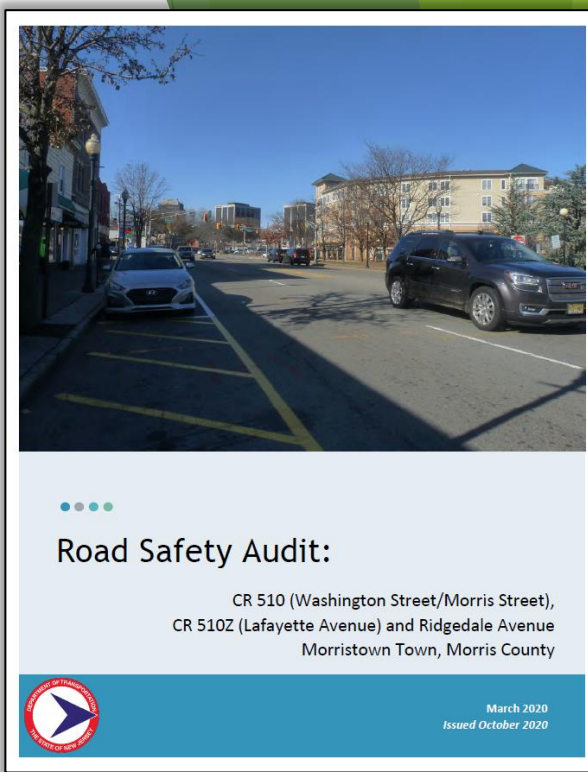
Purpose and Need

► Project Purpose:

- To provide safety and operational improvements at the intersection of Morris Street and Ridgedale Avenue.

► Project Need:

- The intersection of Morris Street and Ridgedale Avenue ranked #11 in Morris County on NJTPA's 2023 Network Screening List.
- The October 2020 Road Safety Audit conducted along CR 510 (Morris Street and Washington Street) identified numerous deficiencies which contribute to a high crash rate within the project limits.



Existing Conditions

► Morris Street (CR 510)

- Urban Principal Arterial
- Three Lanes Undivided (Two Eastbound)
- ADT approximately 22,000 vehicles
- Posted Speed Limit of 25 mph

► Ridgedale Avenue

- Urban Minor Arterial
- Four Lanes Undivided at Intersection
- ADT approximately 14,000 vehicles
- Posted Speed Limit of 25 mph



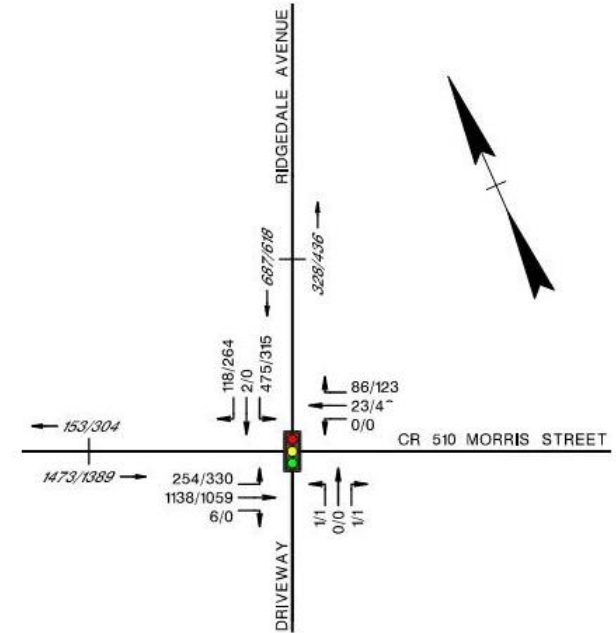
East crosswalk at Morris Street and Ridgedale Avenue



Non-compliant sidewalks immediately adjacent to private parking area in northwest corner

Traffic Analysis

- ▶ Traffic Counts October 2022
 - ▶ Manual Turning Movement Counts
 - ▶ Automatic Traffic Recorder Counts
- ▶ Prepared Traffic Model of Project Area in Synchro/SimTraffic
- ▶ Projected Traffic Volumes to 2050



Morris Street (CR 510) & Ridgedale Avenue

Peak Period	2022 Existing (Sig.) (60 Sec.)		2050 No-Build (Sig.) (60 Sec.)	
	LOS	Delay (sec.)	LOS	Delay (sec.)
AM Peak 7:30 AM - 8:30 AM	C	21.5	C	28.6
PM Peak 4:15 PM - 5:15 PM	B	14.0	B	18.8
Saturday Peak 12:15 PM - 1:15 PM	B	14.8	B	16.5

LEGEND

- SIGNALIZED INTERSECTION
- AM/PM PEAK HOURS (MANUAL)
- AM/PM PEAK HOURS (ATRS)
- APPROXIMATE ATR LOCATION

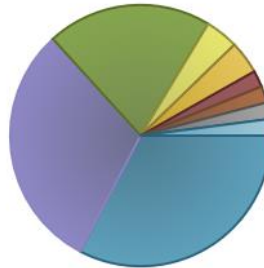
Crash Analysis

Safety Voyager

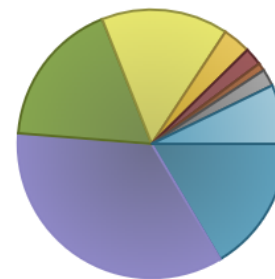
- ▶ 2019-2021
- ▶ 49 Total Crashes
- ▶ Overrepresentations
 - ▶ Rear End
 - ▶ Same Direction - Sideswipe
 - ▶ Right Angle
 - ▶ Left Turn
 - ▶ Pedestrian
 - ▶ Dawn / Dusk



Project Location



State Average



- Same Direction - Sideswipe
- Same Direction - Rear End
- Right Angle
- Fixed Object
- Left Turn/U-Turn
- Pedestrian
- Opposite Direction (Sideswipe)
- Opposite Direction (Head On/Angular)
- Backing

RSA Recommendations (October 2020)

- ▶ Upgrade curb ramps and driveway aprons for ADA compliance
- ▶ Traffic signal upgrades
 - ▶ 12" LED signal heads with retroreflective backplates
 - ▶ Countdown pedestrian signal heads
 - ▶ Audible PROWAG compliant push buttons
 - ▶ Investigate split phasing on Morris Street
- ▶ Investigate roadway lighting
- ▶ Pavement markings
 - ▶ Ladder style crosswalks
 - ▶ Restripe faded pavement markings
- ▶ Signing upgrades for MUTCD compliance
- ▶ Access management near intersection corners

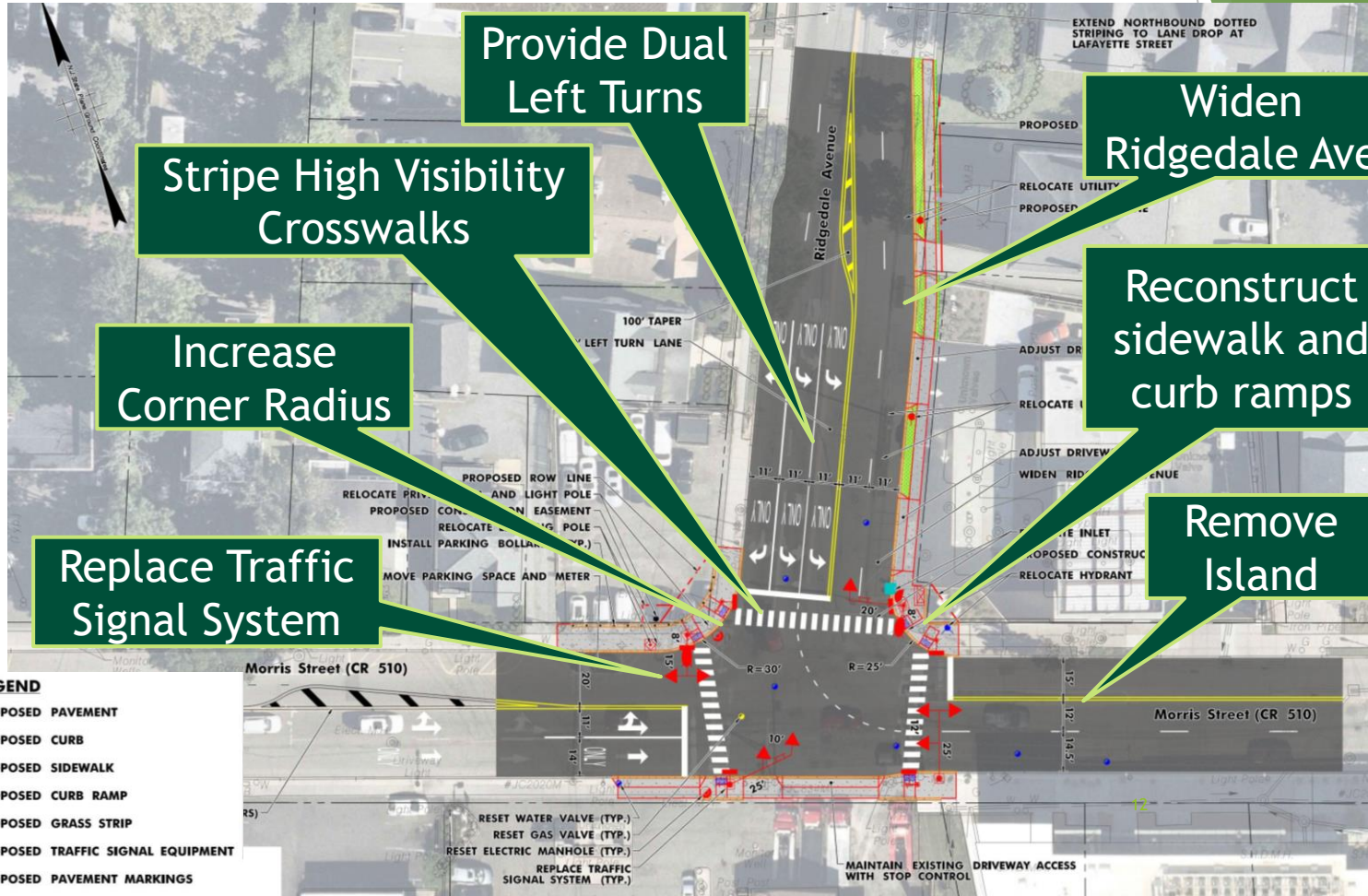


Missing crosswalk for Ridgedale Avenue approach



Non-compliant sidewalk across driveway aprons

Proposed Improvements



Provide Dual Left Turns

Stripe High Visibility Crosswalks

Increase Corner Radius

Replace Traffic Signal System

Widen Ridgedale Ave

Reconstruct sidewalk and curb ramps

Remove Island

LEGEND

-  PROPOSED PAVEMENT
-  PROPOSED CURB
-  PROPOSED SIDEWALK
-  PROPOSED CURB RAMP
-  PROPOSED GRASS STRIP
-  PROPOSED TRAFFIC SIGNAL EQUIPMENT
-  PROPOSED PAVEMENT MARKINGS

Proposed Improvements - Traffic Analysis

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AM Peak: 7:30 AM - 8:30 AM	C	28.6	C	25.0
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Saturday Peak: 12:15 PM - 1:15 PM	B	16.5	B	15.1



Next Steps

- ▶ Complete Categorical Exclusion Document (Fall 2024)
- ▶ Complete Preliminary Engineering Phase (Fall/Early Winter 2024)
- ▶ Environmental Document Approval (Fall 2025)
- ▶ Begin Final Design (Winter 2026)
 - ▶ Revise concept plan based on stakeholder input
 - ▶ Prepare final plans, specifications, and engineer's estimate
 - ▶ Submit to NJDOT Local Aid for Federal Authorization
- ▶ Project Advertisement, Award, & Construction (2027)



Thank you!
Questions / Comments?