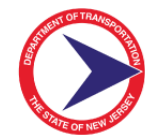




# **ROUTE 42 SB, LEAF AVENUE EXTENSION TO CREEK ROAD (CR 753)**

BOROUGH OF BELLMAWR, COUNTY OF CAMDEN

## **VIRTUAL PUBLIC INFORMATION CENTER**



The State of New Jersey  
**Department of  
Transportation**

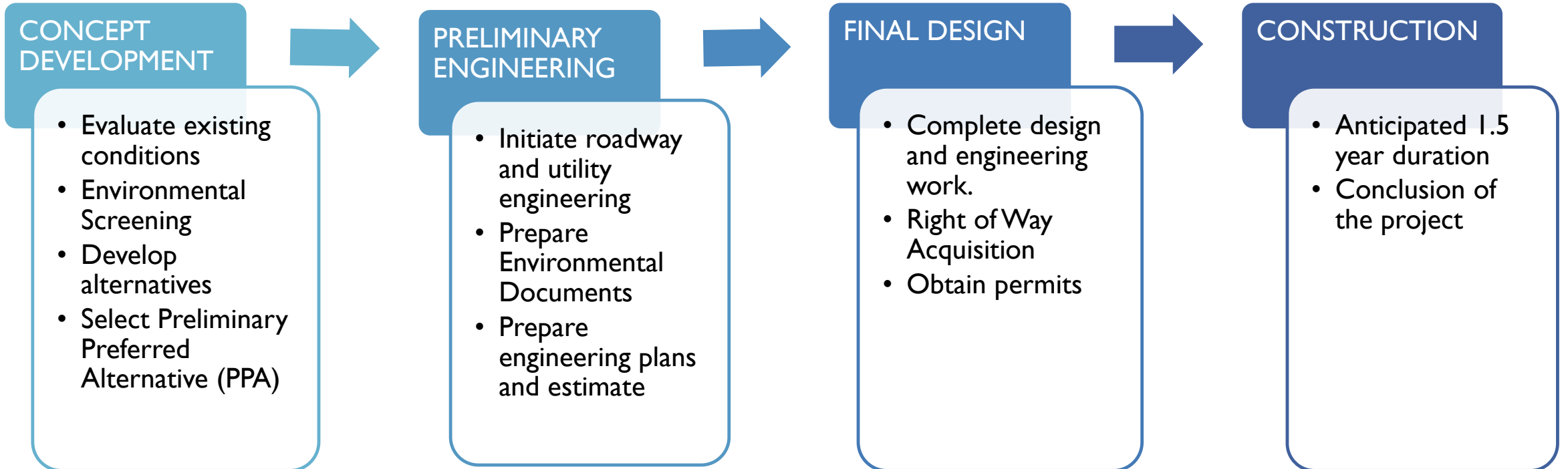


# PRESENTATION OVERVIEW

1. Project Location/Limits
2. Project History
3. Project Purpose and Need
4. Goals and Objectives
5. Existing Conditions and Issues
6. Environmental Screening Results
7. Alternatives Evaluated
8. Recommended Preliminary Preferred Alternative (PPA)
9. Construction Staging
10. Project Delivery Process
11. Comments and Feedback

# PROJECT DELIVERY PROCESS

Project Progress







PROJECT LOCATION MAP



## PROJECT HISTORY

- This study was identified during the advancement of I-295/Route 42 Missing Moves Project, currently under construction.
- The Borough presented their desire to extend Leaf Avenue to Creek Road. Since this would require acquisition of additional ROW not needed for Missing Moves, NJDOT agreed to advance this Concept Development(CD) study of the local traffic, rather than delay the final design and construction of the Missing Moves project.
- Camden County is aware of the project and Bellmawr's desire for the County to take the jurisdiction of the Leaf avenue extension, if selected as the Preliminary Preferred Alternative (PPA).

## PROJECT PURPOSE AND NEED

### **Project Purpose:**

- The purpose of the Route 42 SB, Leaf Avenue Extension to Creek Road (CR 753) project is to alleviate the regional traffic delays which occur on Creek Road due to operational and geometric deficiencies at the intersection of Creek Road and Harding Avenue in the Borough of Bellmawr, County of Camden.

### **Project Operational and Safety Needs:**

- Heavy left turn movement from Creek Road westbound to Harding Avenue and Route 42 SB Exit.
- Congestion on Creek Road, Harding Avenue and Route 42.

## GOALS AND OBJECTIVES

- Minimize impacts to vehicular traffic, pedestrians and bicyclists during construction.
- Seek to identify an economically viable method of expedited construction.
- Compliment anticipated future development in the project area.
- Avoid or minimize social, economic, right of way and environmental impacts.

# EXISTING CONDITIONS

- **Intersection at Harding Ave and Creek Rd (CR 753)**
  - Provides access to the on and off ramps of Route 42 SB at Leaf Ave.
  - Heavy WB traffic on Creek Rd utilizes this intersection to access Route 42, particularly during PM peak.
  - Single left turn lane on Creek Rd does not provide adequate length for current traffic demand, queuing into the WB through lane.
  - Signal timing has been adjusted to increase duration of the left turn movement but this has resulted in delays to the EB traffic.

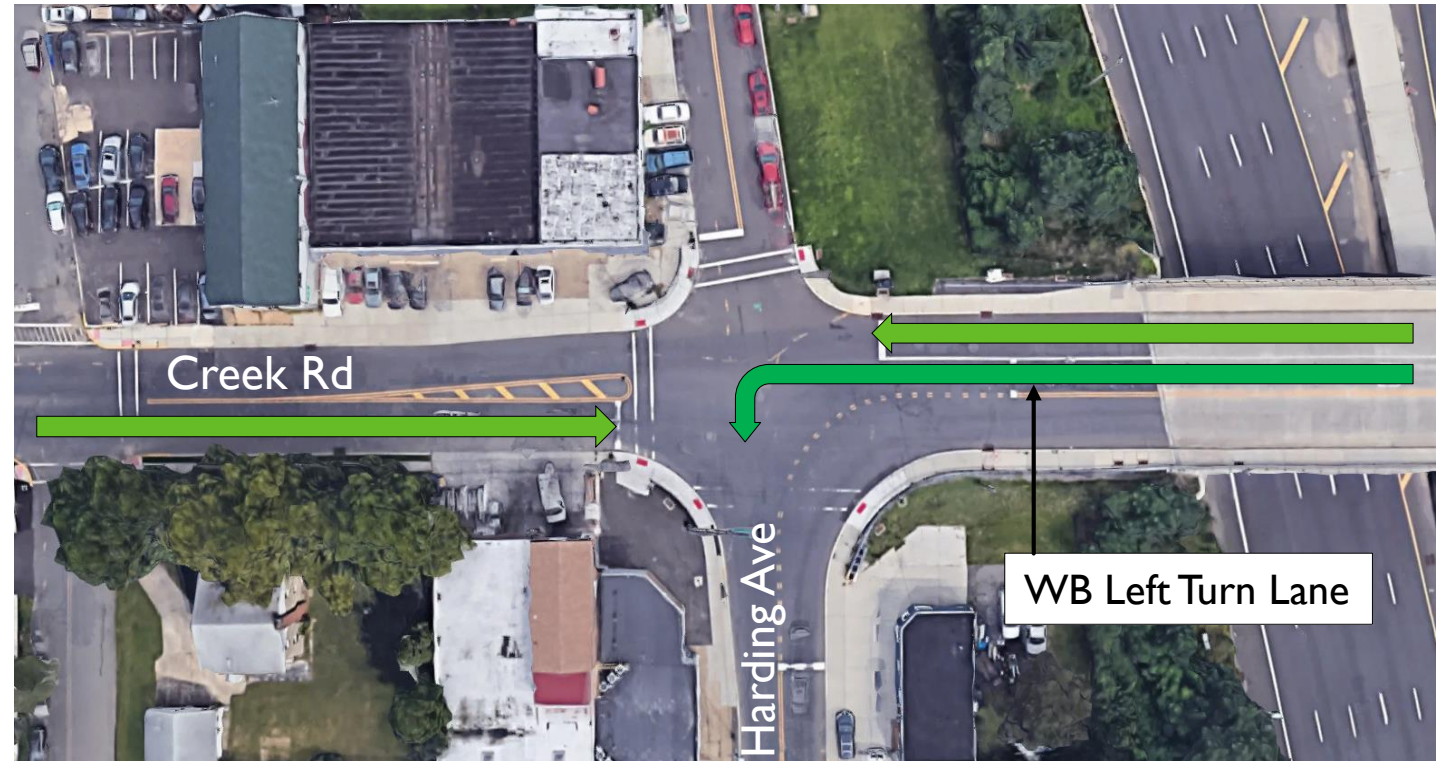




# TRAFFIC AND SAFETY ISSUES

Signalized intersection at Creek Rd and Harding Ave (per 2016 study and projecting traffic to year 2044)

| Year                 | 2016  |       | 2044  |       |
|----------------------|-------|-------|-------|-------|
|                      | AM    | PM    | AM    | PM    |
| Overall Intersection | LOS B | LOS C | LOS D | LOS F |
| WB Left Turn Lane    | LOS A | LOS D | LOS E | LOS F |



# EXISTING ISSUES

- Substandard Geometry
  - Insufficient turn lane storage on Creek Rd
- Un-optimized Conditions
  - Closely spaced intersection and Route 42 access ramps
  - Heavily congested area



Looking West towards Harding Ave Intersection.



# ENVIROMENTAL SCREENING REPORT SUMMARY

- Project area and surrounding streets/neighborhood represent an environmental justice community.
  - Minority/people of color lower than the state average of 44% and the national average of 39%
  - Low income individual is higher than the state average of 24% and the national average of 33%.
  - Linguistically isolated individuals is lower than the state average of 7% but higher than the national average of 4%
- The project area is adjacent to a former landfill and additional consideration for remediation may be required during Preliminary Engineering(PE).

## ALTERNATIVES EVALUATED

- Consideration of seven (7) alternatives proposed including No Build
- Improvements considered included the following:
  - Improve Harding Avenue
  - Improve Coolidge Avenue
  - Improve Stanley Avenue
  - Extending Leaf Avenue to Creek Road.
    - Selected as the Preliminary Preferred Alternative, (PPA)

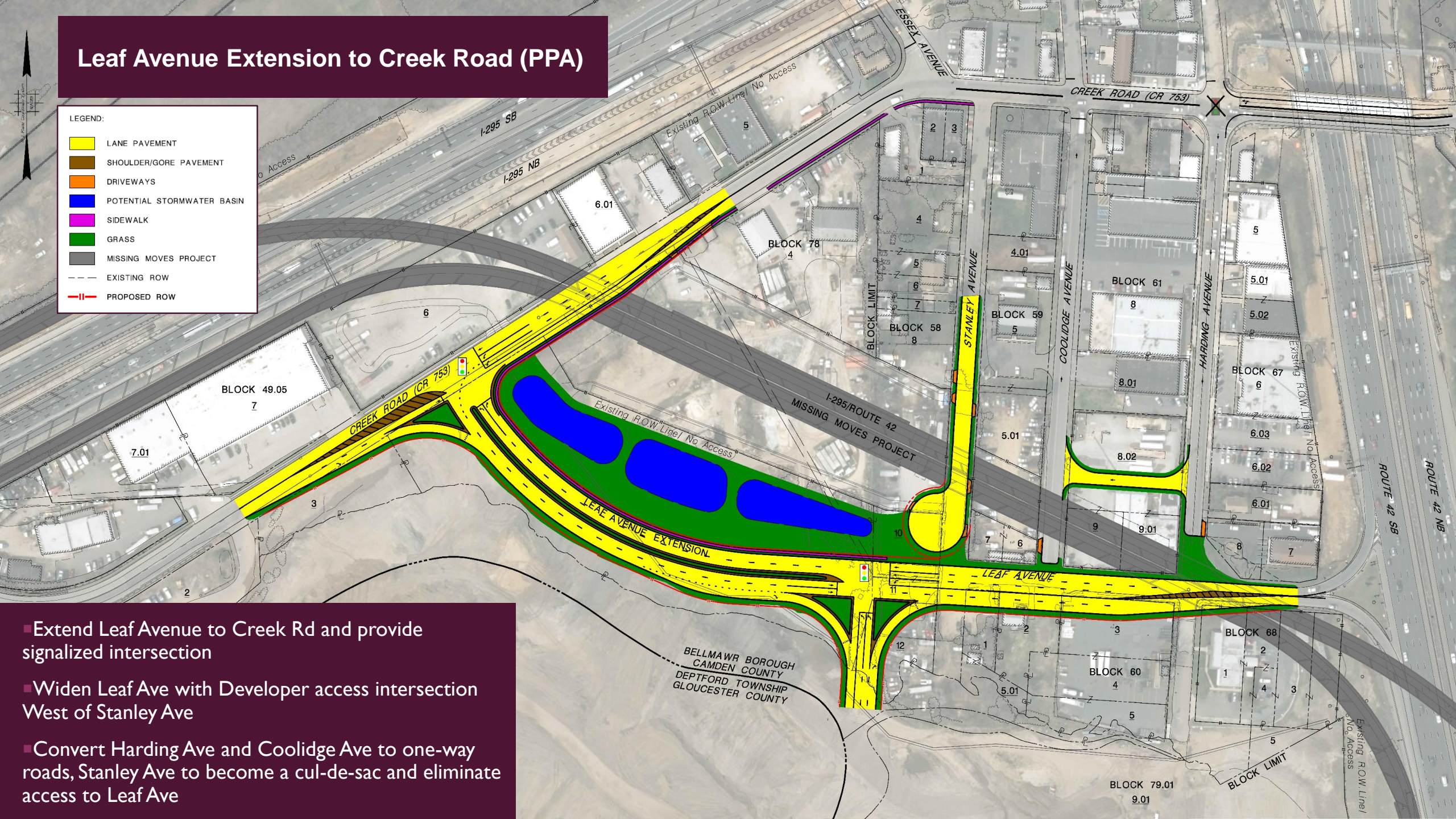


# Leaf Avenue Extension to Creek Road (PPA)

## LEGEND:

- LANE PAVEMENT
- SHOULDER/GORE PAVEMENT
- DRIVEWAYS
- POTENTIAL STORMWATER BASIN
- SIDEWALK
- GRASS
- MISSING MOVES PROJECT
- EXISTING ROW
- PROPOSED ROW

- Extend Leaf Avenue to Creek Rd and provide signalized intersection
- Widen Leaf Ave with Developer access intersection West of Stanley Ave
- Convert Harding Ave and Coolidge Ave to one-way roads, Stanley Ave to become a cul-de-sac and eliminate access to Leaf Ave





# Leaf Avenue Extension to Creek Road (PPA)

## LEGEND:

- LANE PAVEMENT
- SHOULDER/GORE PAVEMENT
- DRIVEWAYS
- POTENTIAL STORMWATER BASIN
- SIDEWALK
- GRASS
- MISSING MOVES PROJECT
- EXISTING ROW
- PROPOSED ROW

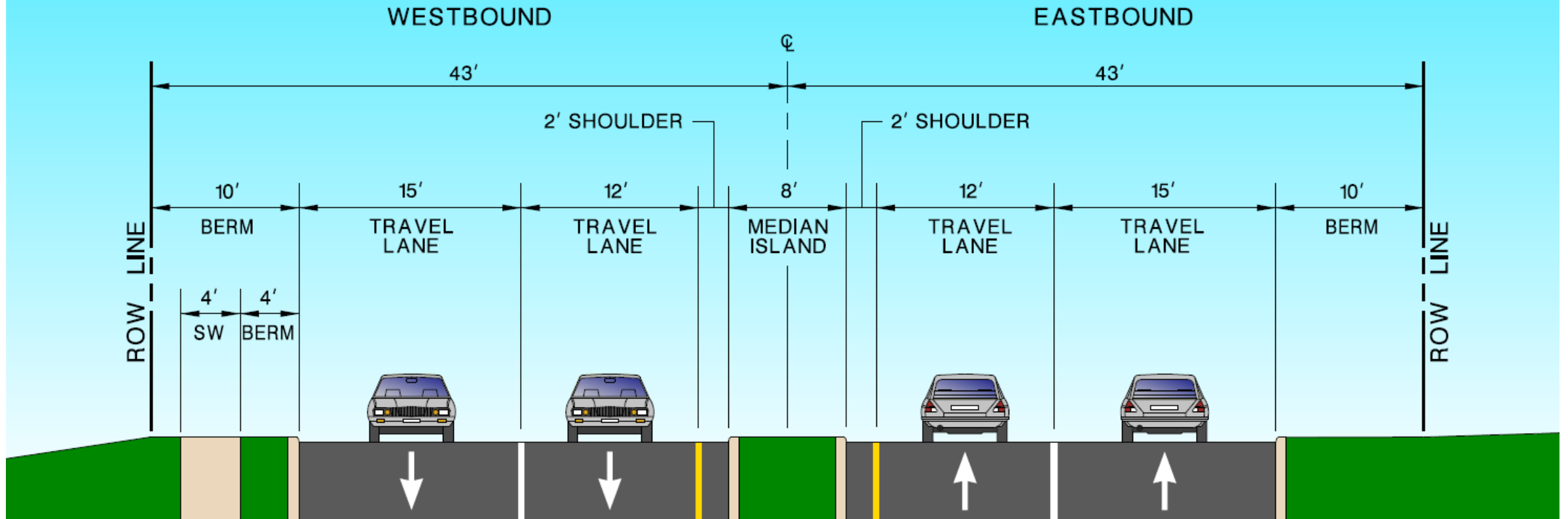
LOS C

LOS B

- Extend Leaf Avenue to Creek Rd and provide signalized intersection
- Widen Leaf Ave with Developer access intersection West of Stanley Ave
- Convert Harding Ave and Coolidge Ave to one-way roads, Stanley Ave to become a cul-de-sac and eliminate access to Leaf Ave



ROW - RIGHT OF WAY  
SW - SIDEWALK

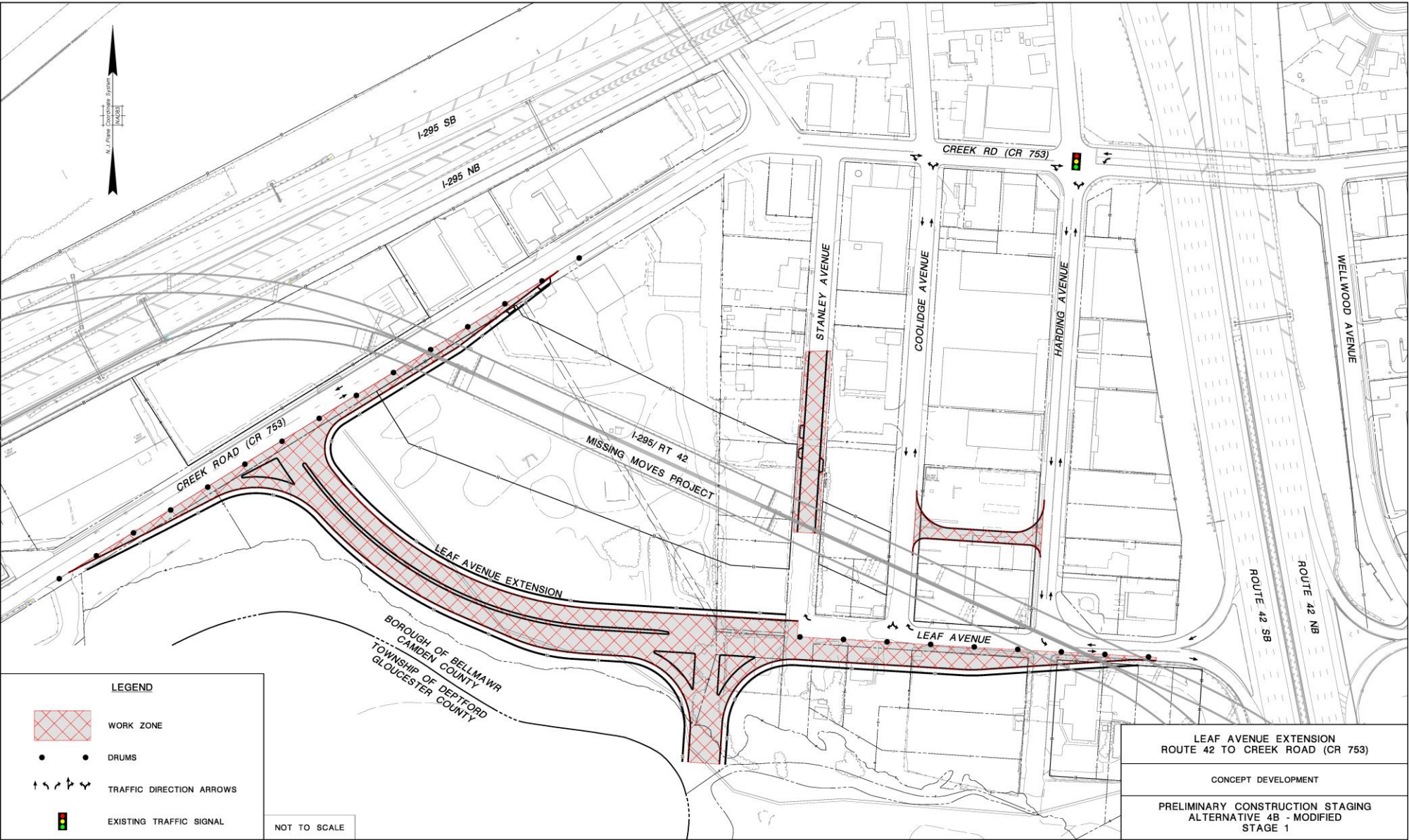


## ALTERNATIVE 4B MODIFIED: LEAF AVENUE EXTENSION TO CREEK ROAD (PPA) - PROPOSED SECTION

NOTE: ILLUSTRATIVE ONLY, NOT TO SCALE

# Constructability/Staging

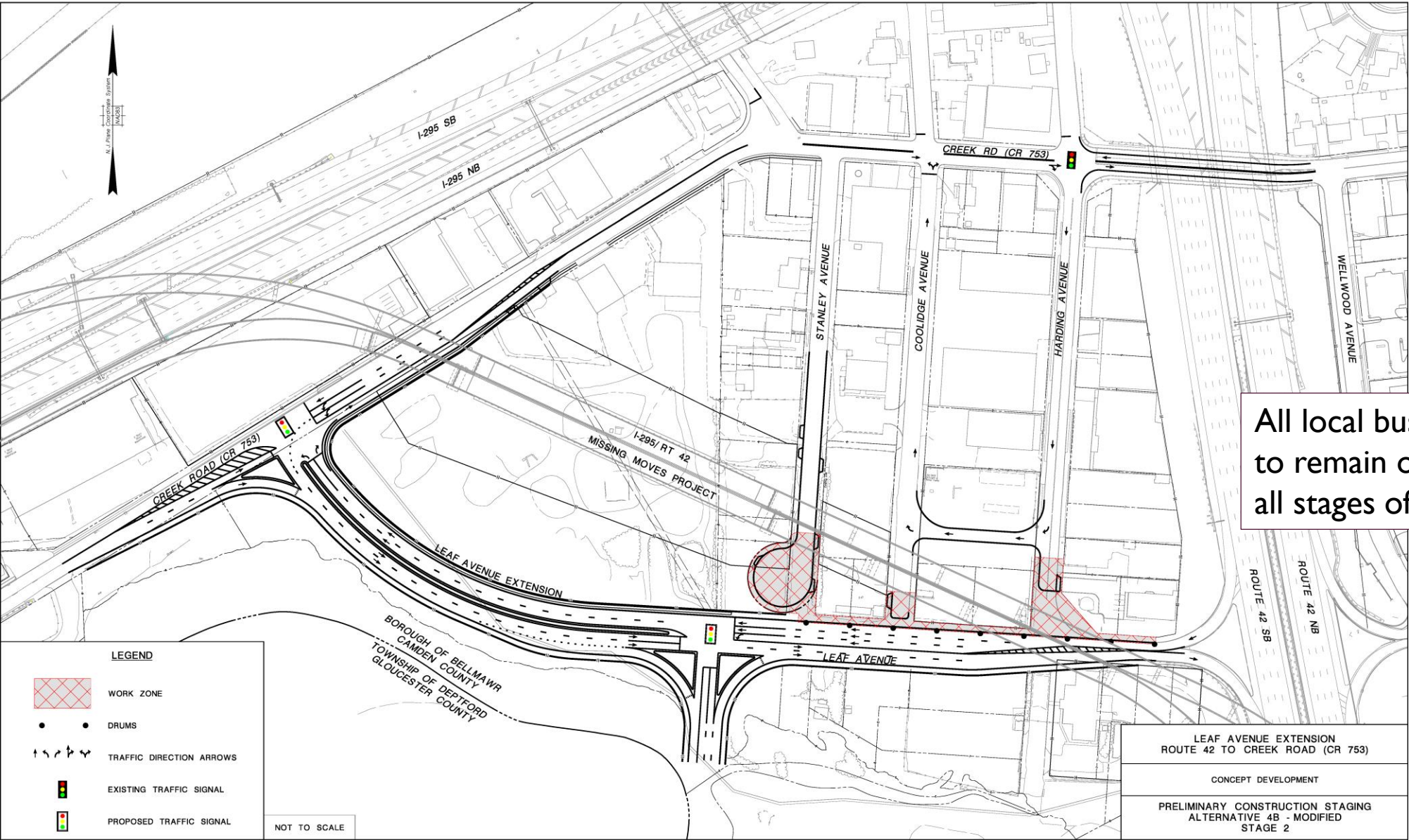
Stage I: Construct Leaf Ave extension, missing portion of Stanley Ave and connection between Harding and Coolidge





# Constructability/Staging

Stage 2: Shift traffic to final configuration, construct Stanley cul-de-sac and dead-end conditions on Harding and Coolidge



All local business access to remain open during all stages of construction



# PROJECT DELIVERY PROCESS

Project Progress

CONCEPT  
DEVELOPMENT

- Conclude Spring 2023 (estimated)

PRELIMINARY  
ENGINEERING

- Conclude Fall 2024 (estimated)

FINAL DESIGN

- Conclude Fall 2026 (estimated)

CONSTRUCTION

- Conclude Fall 2028 (estimated)

**Current Estimated Construction Cost \$5 Million**

## PROVIDE FEEDBACK

- **Take the survey and submit comments at the following website:**

<https://www.dewberry.com/pages/route-42-Leaf-Ave-extension>

- **Please submit any questions or suggestions you may have by June 15, 2022 to:**

[Rt42SBLeafAvePublicComments@dewberry.com](mailto:Rt42SBLeafAvePublicComments@dewberry.com)

### **Or by mail to:**

**Kimberly Nance**, Regional Coordinator  
New Jersey Department of Transportation  
Office of Community Relations  
P.O. Box 600, Trenton NJ 08625-0600