



STRAND
ASSOCIATES®

Excellence in Engineering Since 1946

City of Beloit

PRAIRIE AVENUE (COUNTY G) ROADWAY IMPROVEMENT PROJECT

(Cranston Road to Huebbe Parkway)

April 25, 2018



Welcome and Opening Remarks

Jason Dupuis, P.E.

Project Manager

City of Beloit

(608) 364-6735

DupuisJ@beloitwi.gov

Ken Swanson, P.E.

Consultant Project Manager

Strand Associates, Inc.

(608) 251-4843 ext. 1003

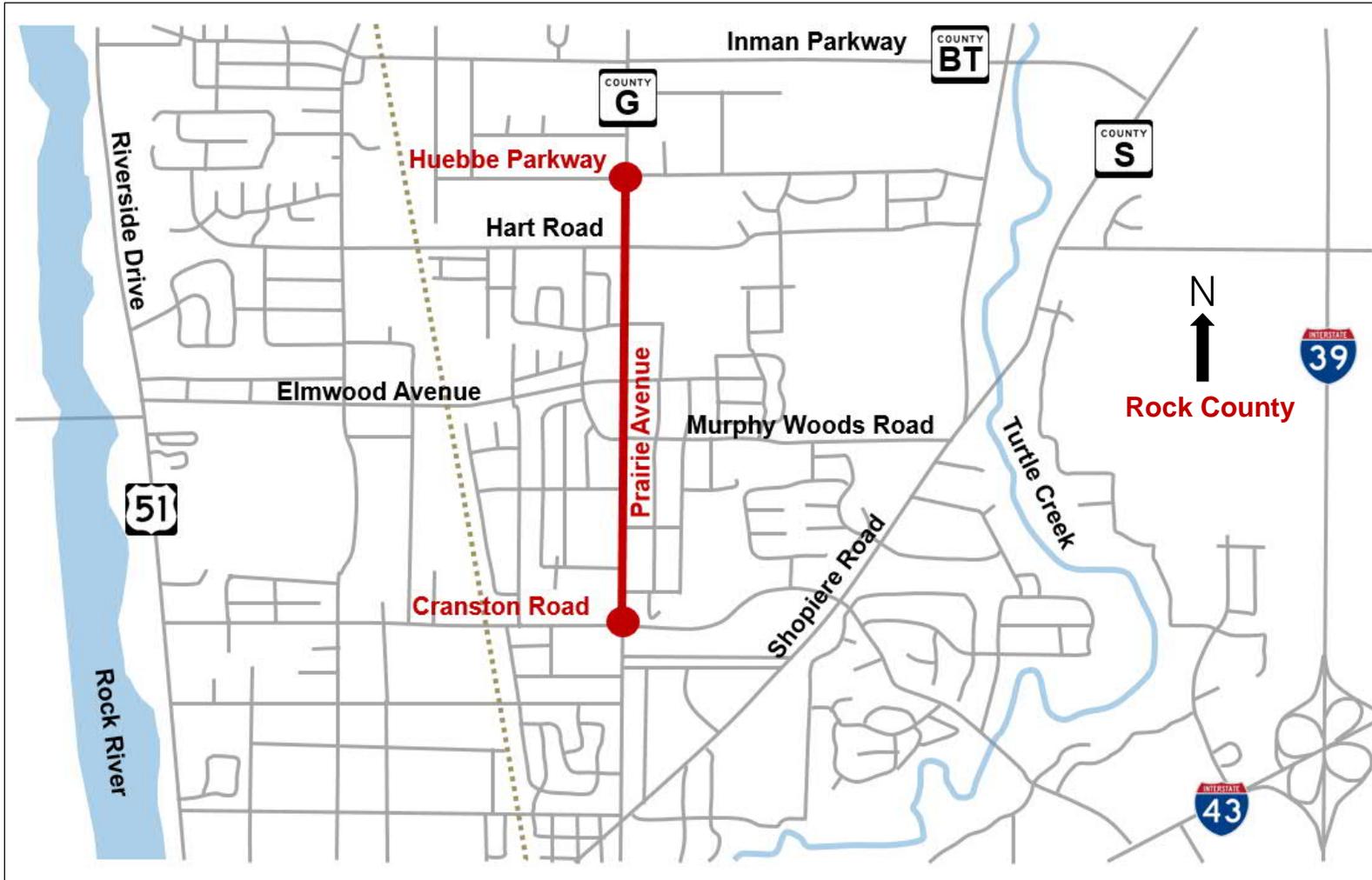
ken.swanson@strand.com

Overview

- Project Location and Limits
- Project Purpose and Need
- Proposed Improvements
 - Roadway
 - Multi-Modal Access
 - Traffic Signals
- Temporary Limited Easements
- Construction Staging Overview
- Project Schedule
- Questions



Project Location and Limits



Project Location and Limits



- Cranston Road to Huebbe Parkway - 1.2 Miles
- City of Beloit, Town of Beloit

Project Purpose and Need

- Purpose
 - Address current pavement distresses
 - Evaluate multi-modal access opportunities
 - Upgrade traffic signal components/timings
- Need
 - Pavement last improved in 1982
 - Severe pavement joint failures
 - Gaps in the sidewalk facility
 - No current bicycle accommodations
 - Out of date signal equipment



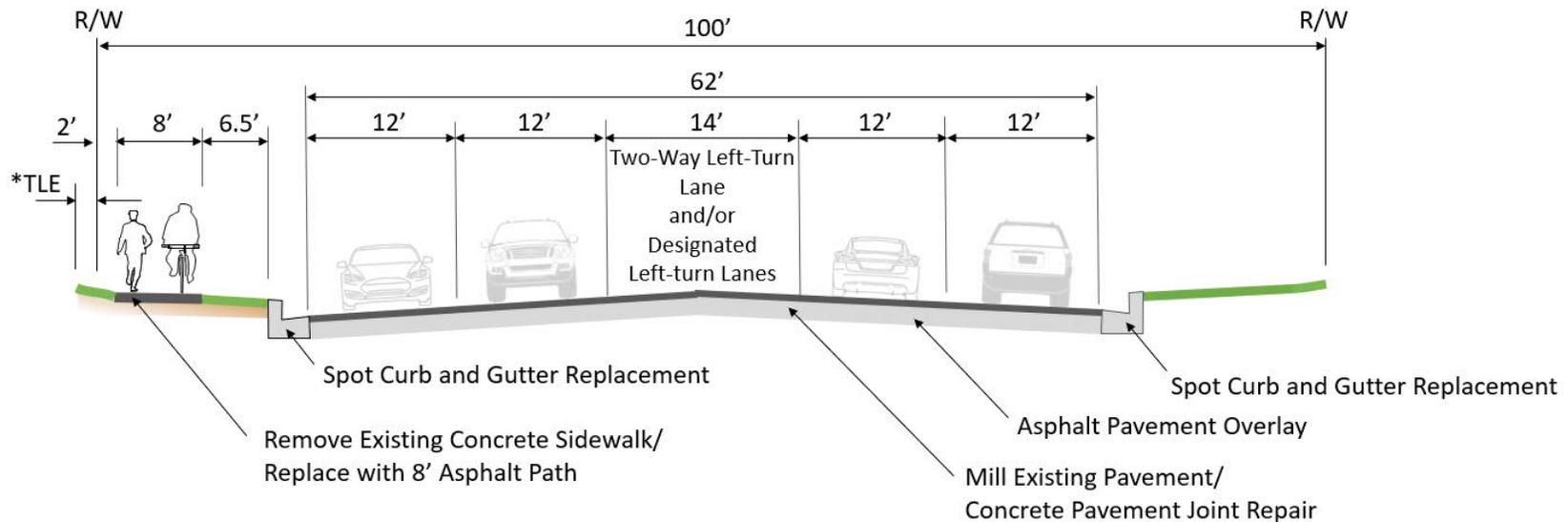
Proposed Improvements – Roadway

- Pavement
 - Concrete joint repair
 - Spot replacement of concrete pavement and curb and gutter
 - Milling existing concrete pavement
 - Asphalt Overlay



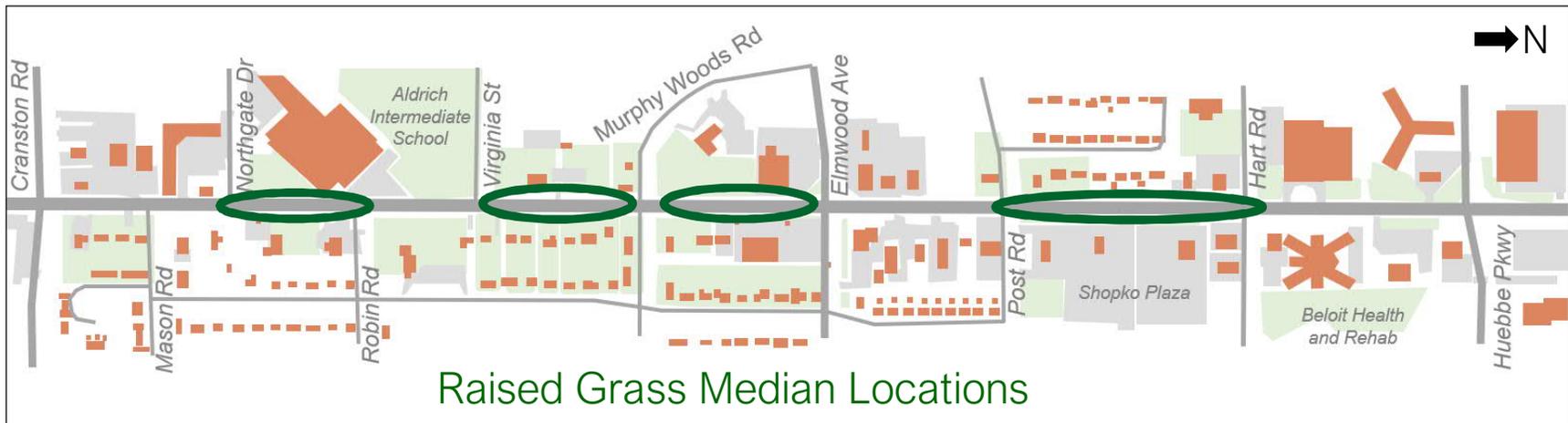
Proposed Improvements – Roadway

- Pavement
 - Concrete joint repair
 - Spot replacement of concrete pavement and curb and gutter
 - Milling existing concrete pavement
 - Asphalt Overlay



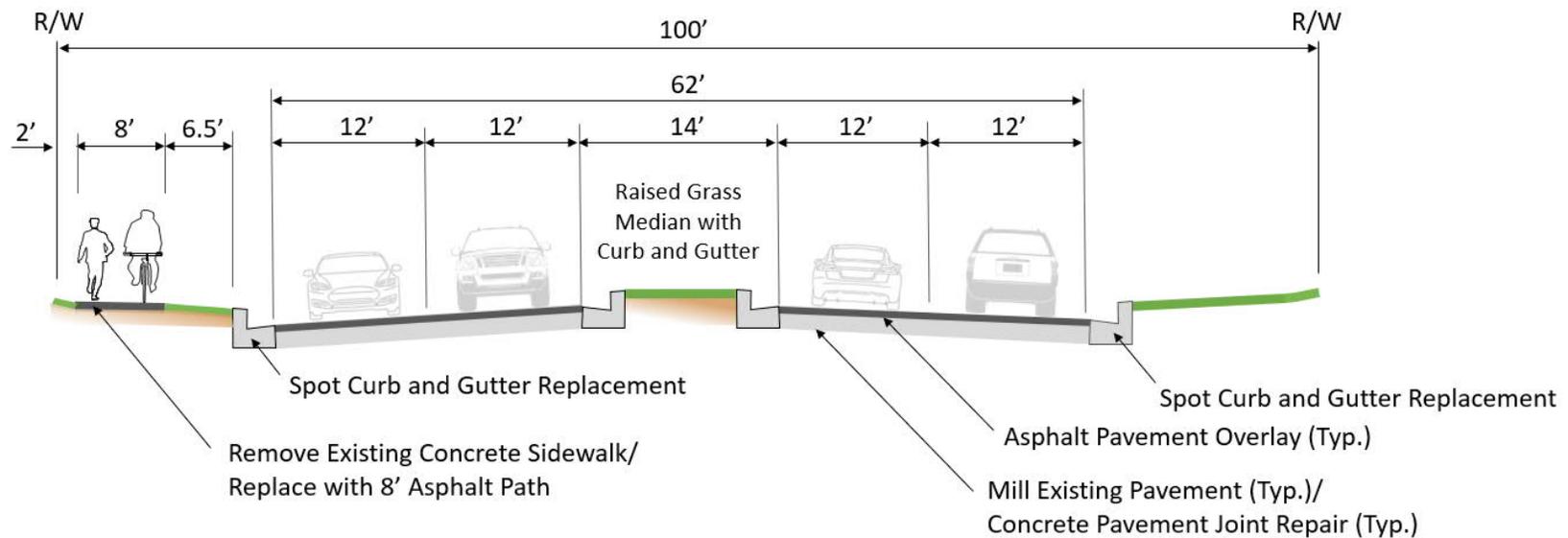
Proposed Improvements – Roadway

- Median treatment modifications
 - Two-way left-turn lane (TWLTL) markings
 - Designated left-turn lane markings
 - Raised grass median
 - Northgate Drive to Robin Road
 - Virginia Street to Murphy Woods Road
 - Murphy Woods Road to Elmwood Avenue
 - Post Road to Hart Road



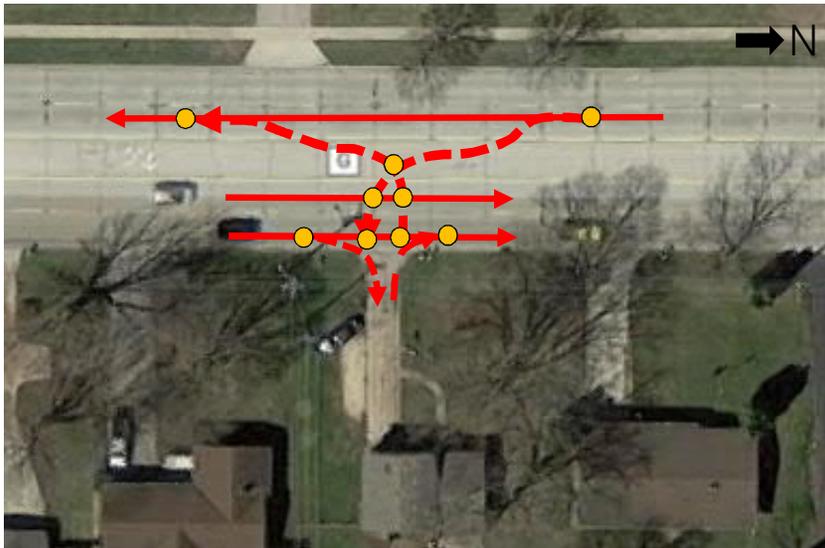
Proposed Improvements – Roadway

- Median treatment modifications
 - Raised grass median
 - Northgate Drive to Robin Road
 - Virginia Street to Murphy Woods Road
 - Murphy Woods Road to Elmwood Avenue
 - Post Road to Hart Road

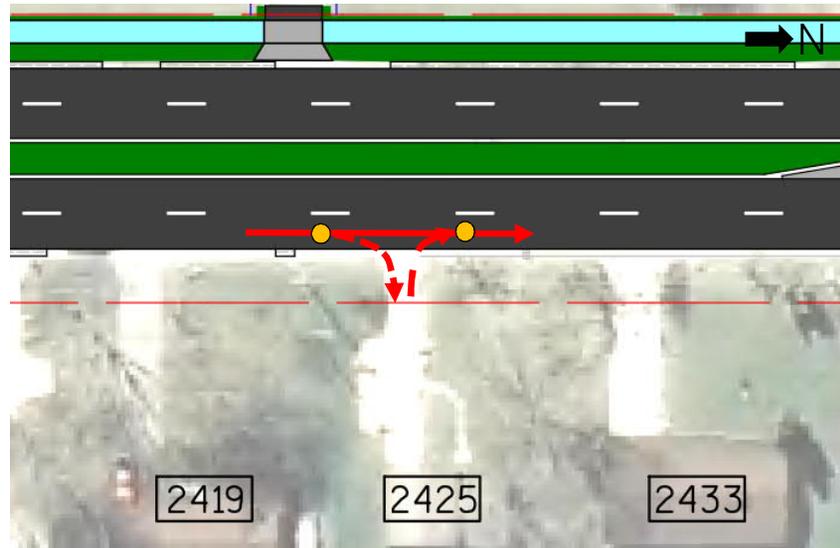


Proposed Improvements – Roadway

- Median treatment modifications
 - Raised grass median



Existing TWLTL Median

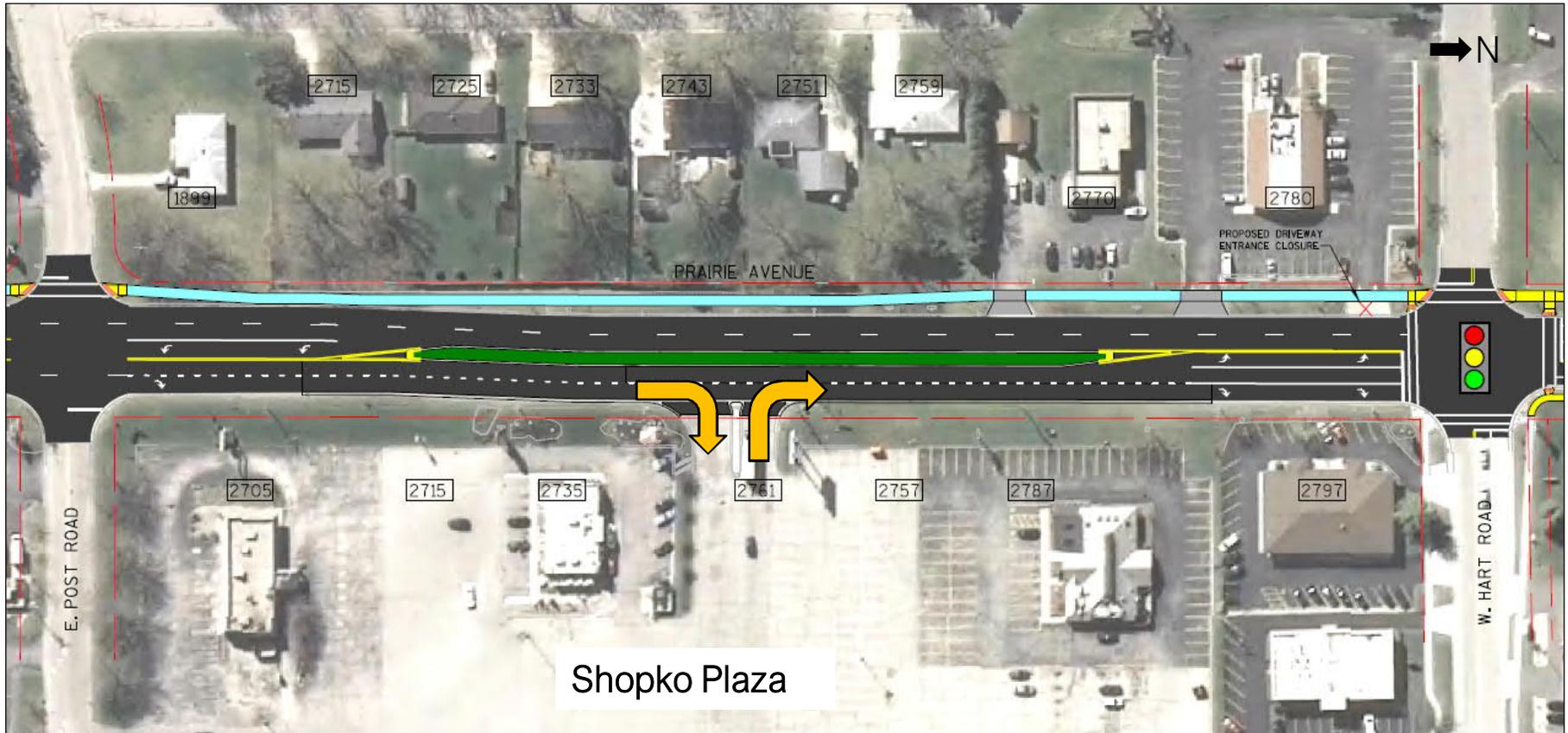


Proposed Raised Grass Median

- Right-in/right-out access eliminates left-turn conflicts
- ~72% of crashes at driveways involve a left-turning vehicle

Proposed Improvements – Roadway

- Right-in/right-out at Shopko Plaza entrance

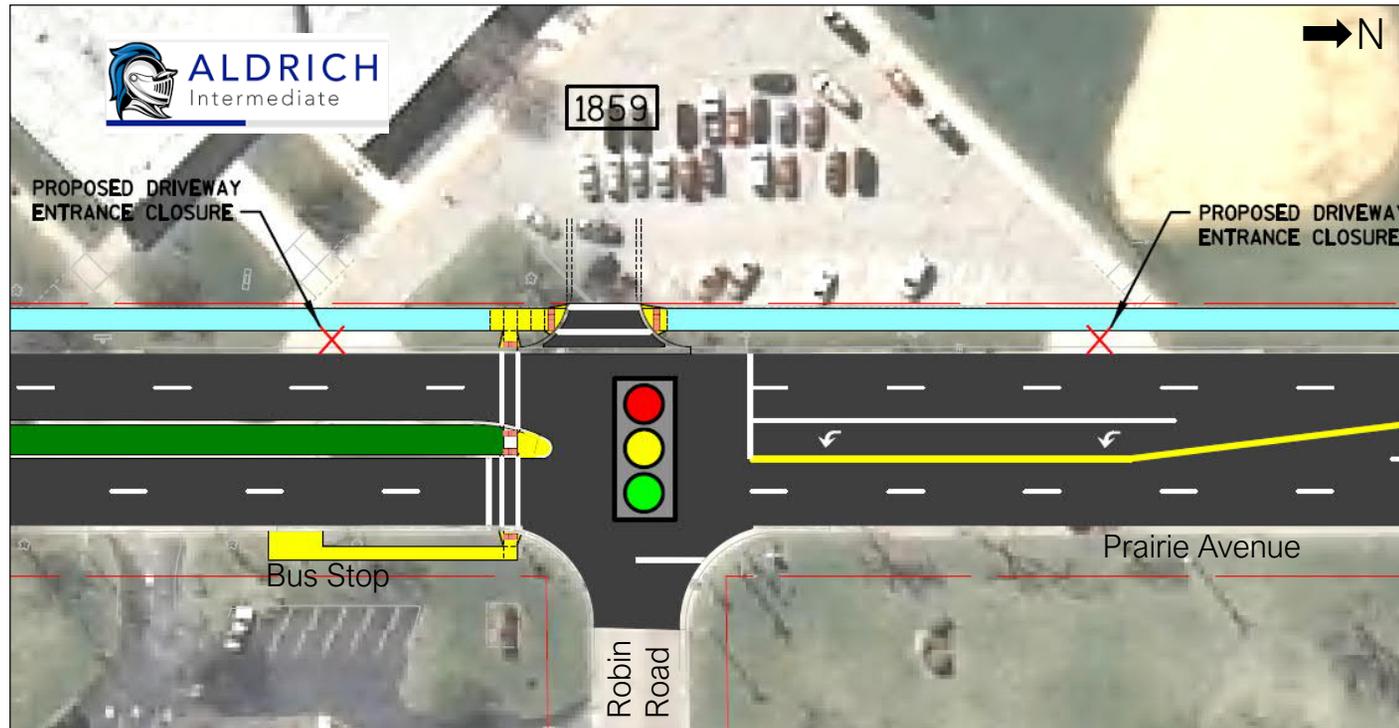


Full Access from Post Road

Full Access from Hart Road

Proposed Improvements – Roadway

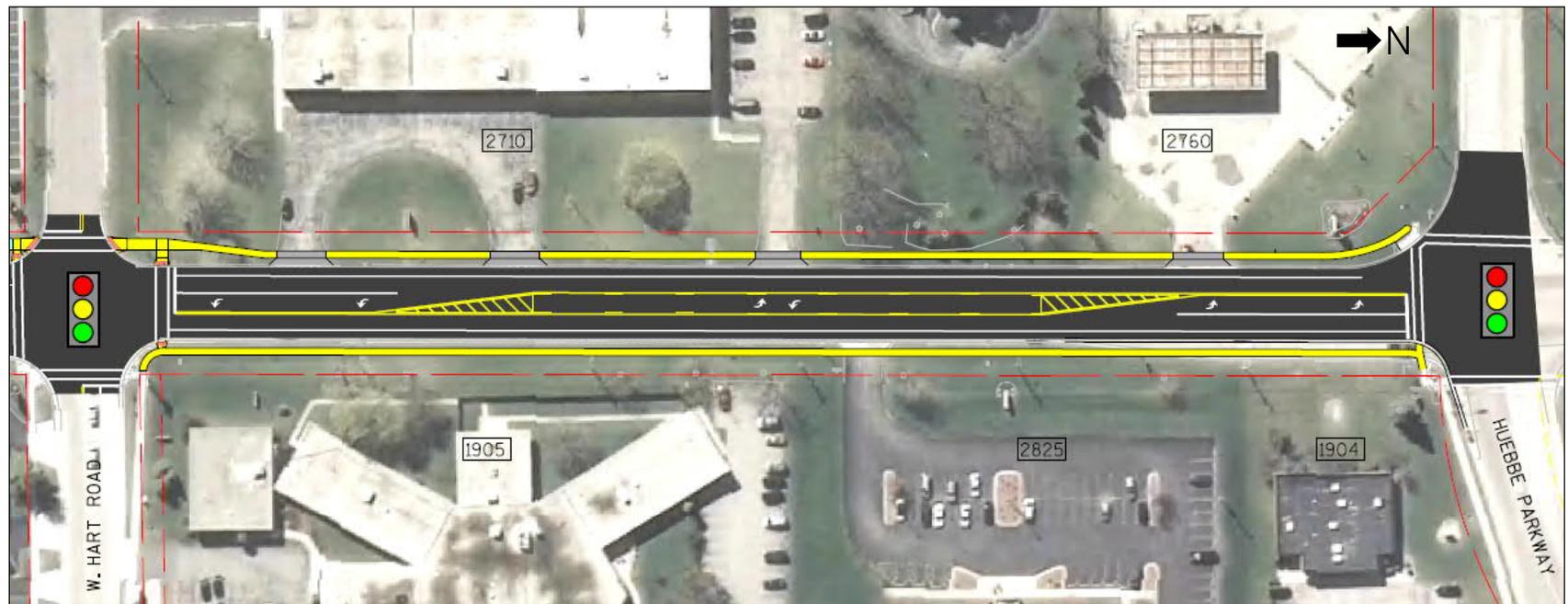
- Robin Road Intersection Improvements



- Reconfigured Aldrich driveway
- Enhanced crosswalk markings
- Median pedestrian refuge
- Pedestrian push buttons
- ADA-compliant curb ramps
- Bus stop pedestrian refuge area

Proposed Improvements – Roadway

- 4- to 3-lane reconfiguration between Hart Road and Huebbe Parkway (one lane in each direction with a center TWLTL)

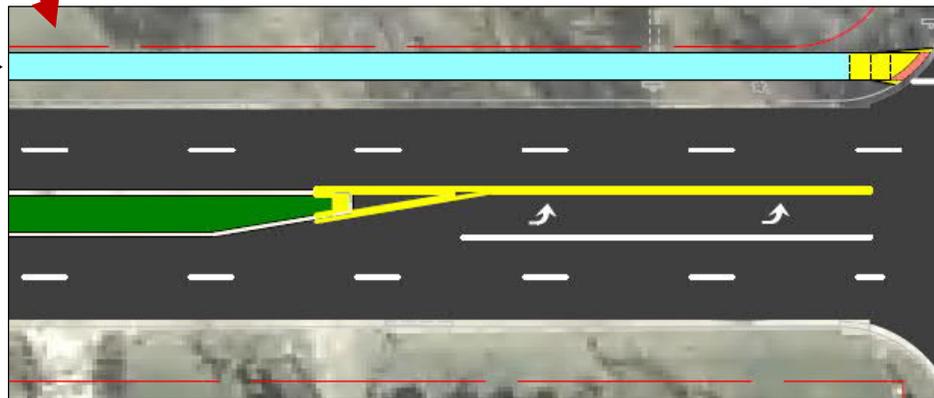


Proposed Improvements – Multi-Modal Access

- Cranston Road to Hart Road –
8-foot-wide asphalt path along west side of Prairie Avenue

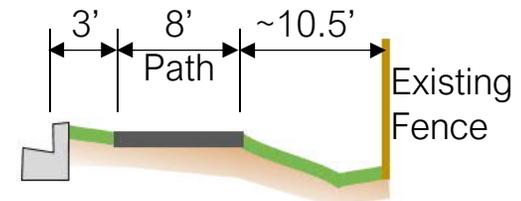


8-foot-wide asphalt path →



Proposed Improvements – Multi-Modal Access

- Post Road to Hart Road –
Removal of the existing retaining along west side of Prairie Avenue



Note: 3' path offset from face-of-curb to edge-of-path allows for construction of drainage swale without retaining wall

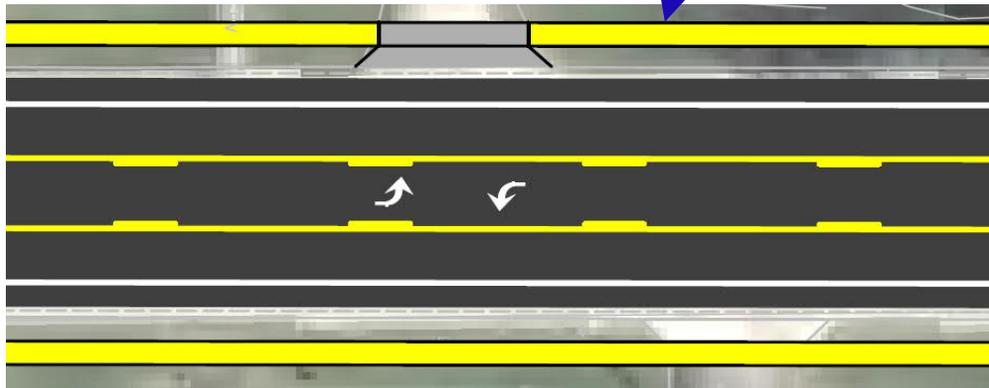
Proposed Improvements – Multi-Modal Access

- Hart Road to Huebbe Parkway –
New sidewalk and on-street bike lanes (both sides)



5-foot sidewalk →
5-foot on-street bike lane →

5-foot on-street bike lane →
5-foot sidewalk →



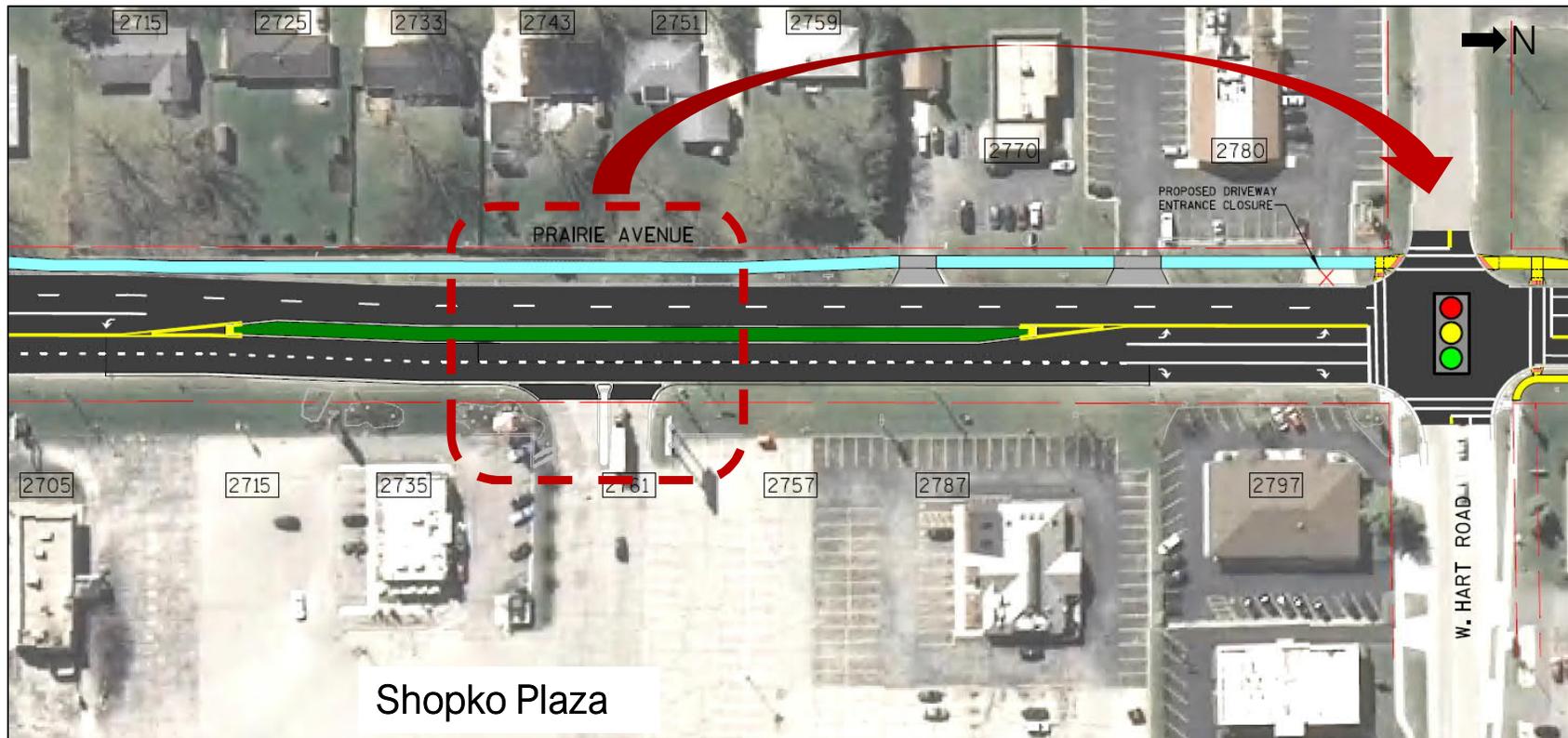
Proposed Improvements – Traffic Signals

- Traffic Signal Equipment Upgrades
 - New poles/mast arms/signal heads
 - Pedestrian push buttons
 - New signal cabinets
 - Rewiring
 - Video detection
 - Signal retiming



Proposed Improvements – Traffic Signals

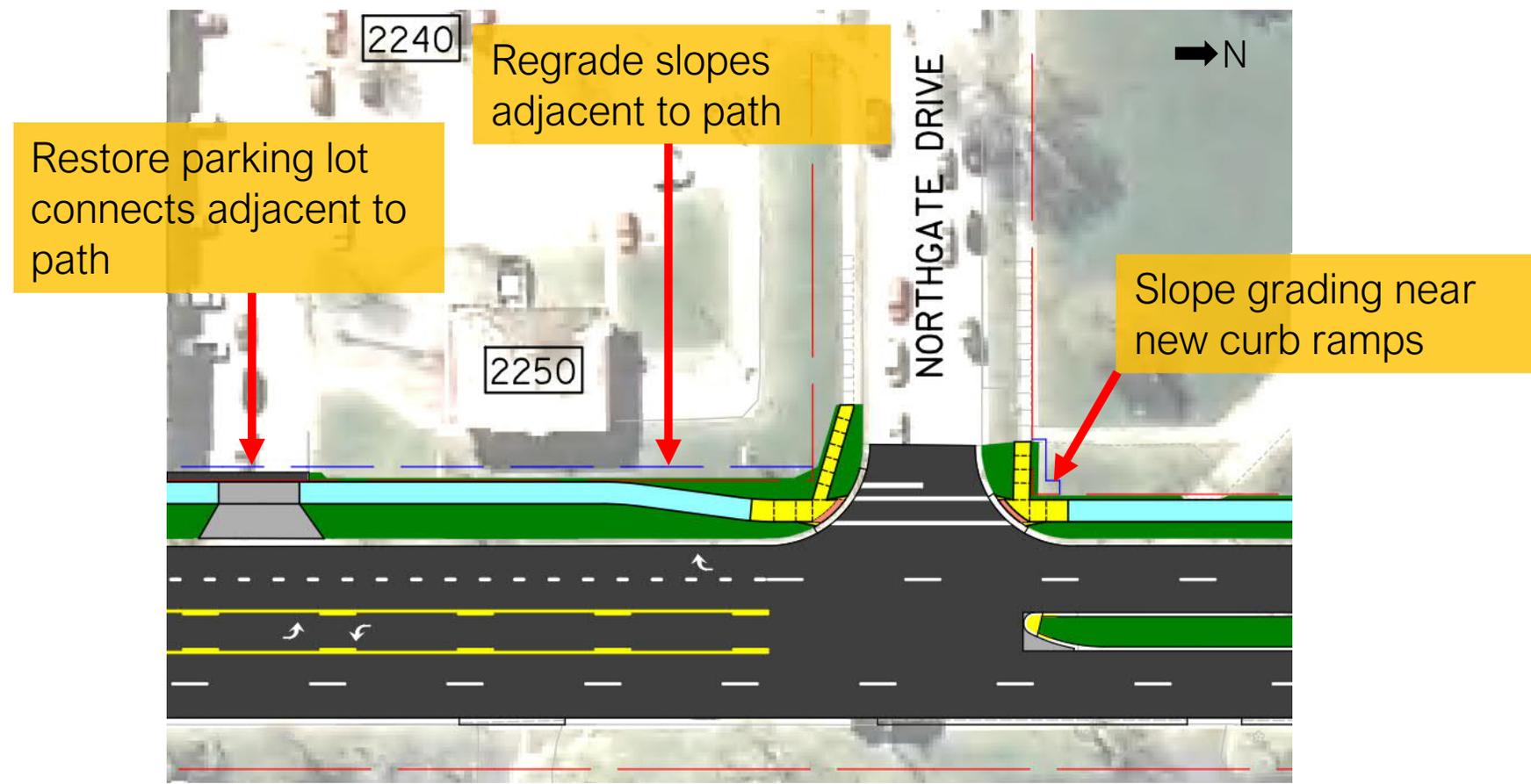
- Relocate traffic signal from Shopko Plaza entrance to Hart Road



Temporary Limited Easements (TLE)

- What are TLEs ?
 - TLEs are easements purchased from landowners to give contractors a temporary right to enter the property during construction.
 - TLEs will terminate upon completion of the project.
- Why are they needed for Prairie Avenue?
 - TLEs are required at spot locations along the corridor to regrade/restore slopes and parking lot connections adjacent to the new path, sidewalk, and curb ramps.

Temporary Limited Easements (TLE)

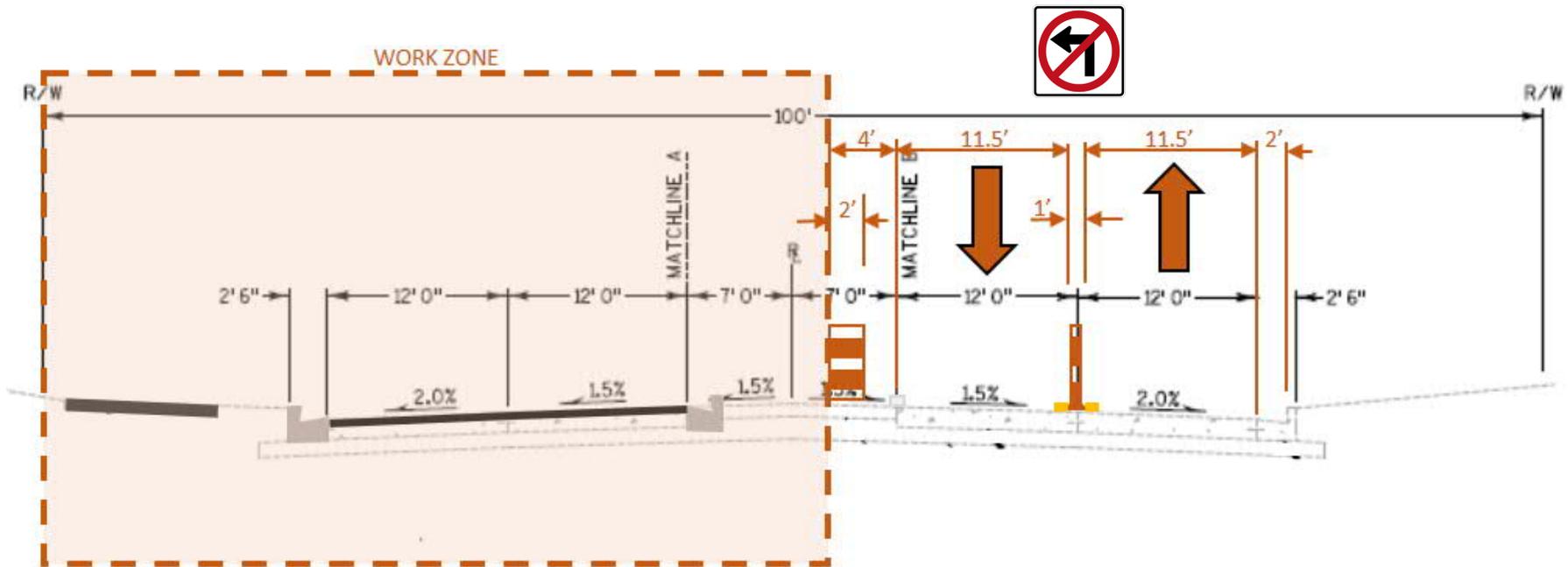


Construction Staging Overview



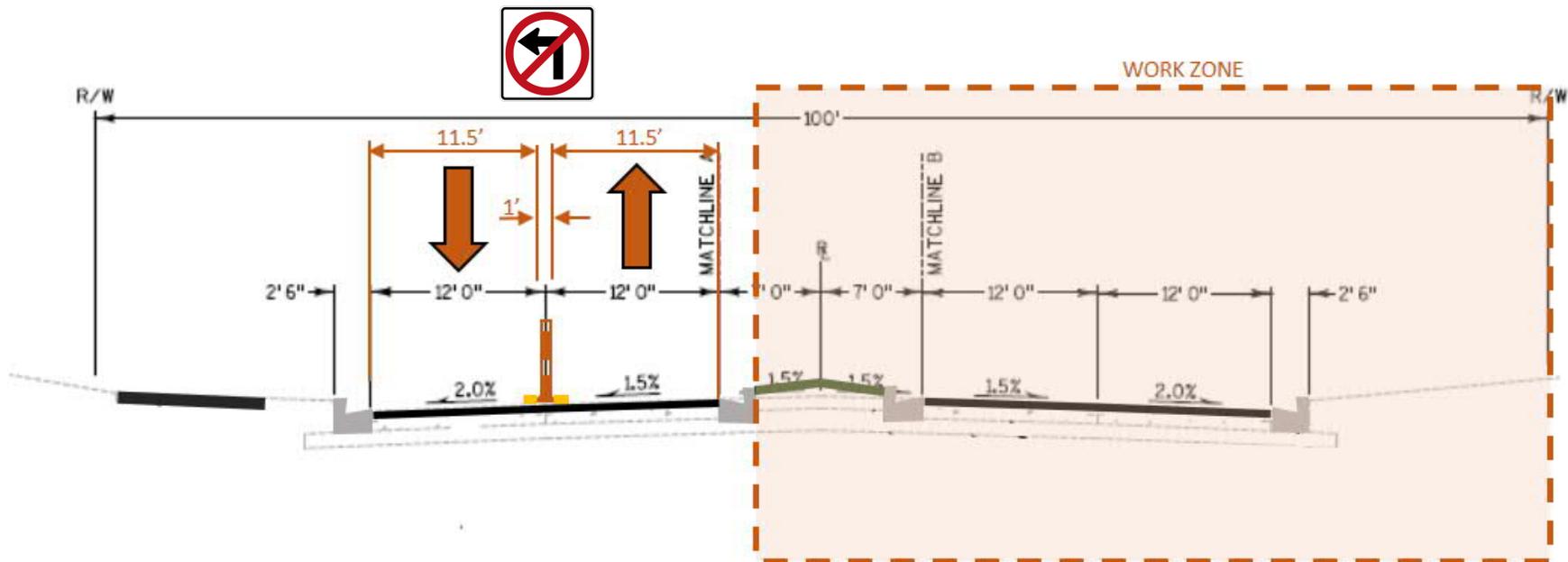
- 2019 Construction (Spring/Summer)
- Staged Construction (Open to Thru Traffic)

Construction Staging Overview – Stage 1



- Left-turn movements will be prohibited within the work zone except at spot intersection locations.
- Limited pedestrian access during path construction along west side of Prairie Avenue.

Construction Staging Overview – Stage 2



- Left-turn movements will be prohibited within the work zone except at spot intersection locations.
- Pedestrian access will be maintained on the new path/sidewalk along the west side of Prairie Avenue.

Project Schedule

Deliverable	Timeline
30% Plans	April 2018
Public Meeting No. 2	Spring 2018
60% Plans	June 2018
TLE Acquisition	Summer/Fall 2018
Public Meeting No. 3	Summer 2018
90% Plans, Spec., Estimate	September 2018
Final Plans, Spec., Estimate	November 2018
Bid Letting	Spring 2019
Construction Starts	Spring 2019

Questions?

Thank you for attending and participating.

Feel free to fill out a project comment form.

PRAIRIE AVENUE (COUNTY G) PUBLIC INFORMATION MEETING NO. 2 COMMENTS April 25, 2018	
ID 5989-00-13 City of Beloit, Prairie Avenue Cranston Road to Huebbe Parkway CTH G, Rock County	
FROM:	TO:
Name	Attn: Jason Dupuis, P.E. City of Beloit - Engineering 2400 Springbrook Ct Beloit, WI 53511
Address	
Representing	Please place your comment in the Comment Box or mail by <u>May 11, 2018</u> Thank You!
Comments:	
.....	
.....	

Jason Dupuis, P.E.
Project Manager
City of Beloit
(608) 364-6735
DupuisJ@beloitwi.gov

Ken Swanson, P.E.
Consultant Project Manager
Strand Associates, Inc.
(608) 251-4843 ext. 1003
ken.swanson@strand.com



STRAND
ASSOCIATES®

Excellence in Engineering Since 1946