

TRANSPORTATION SAFETY & ADVISORY COMMISSION; BICYCLE AND PEDESTRIAN SUBCOMMITTEE

February 26, 2024





Agenda

- **Welcome and Introductions**
- **Public Comments**
- SMART SCALE Applications
- Proposed Changes with 2024 Repaving
- South Main Street Speed Limit Change
- Other Business/Announcements



SMART SCALE Overview

Largest state and federal transportation funding opportunity

Projects of any size or cost can be funded

- higher cost projects often do not score well
- a local match is not required, but can be provided

Benefit score for each project includes

- Safety
- Congestion mitigation (different)
- Accessibility
- Land use (very different)
- Economic development (very different)
- Environment

More information is available at: <http://smartscale.org/>



SMART SCALE Timeline

Pre-application due April 1, 2024

Full application due August 1, 2024

Scores released in early 2025

Decisions about funding made by Commonwealth Transportation Board (CTB) in or around June 2025

Money allocated for projects in fiscal years 2027/28

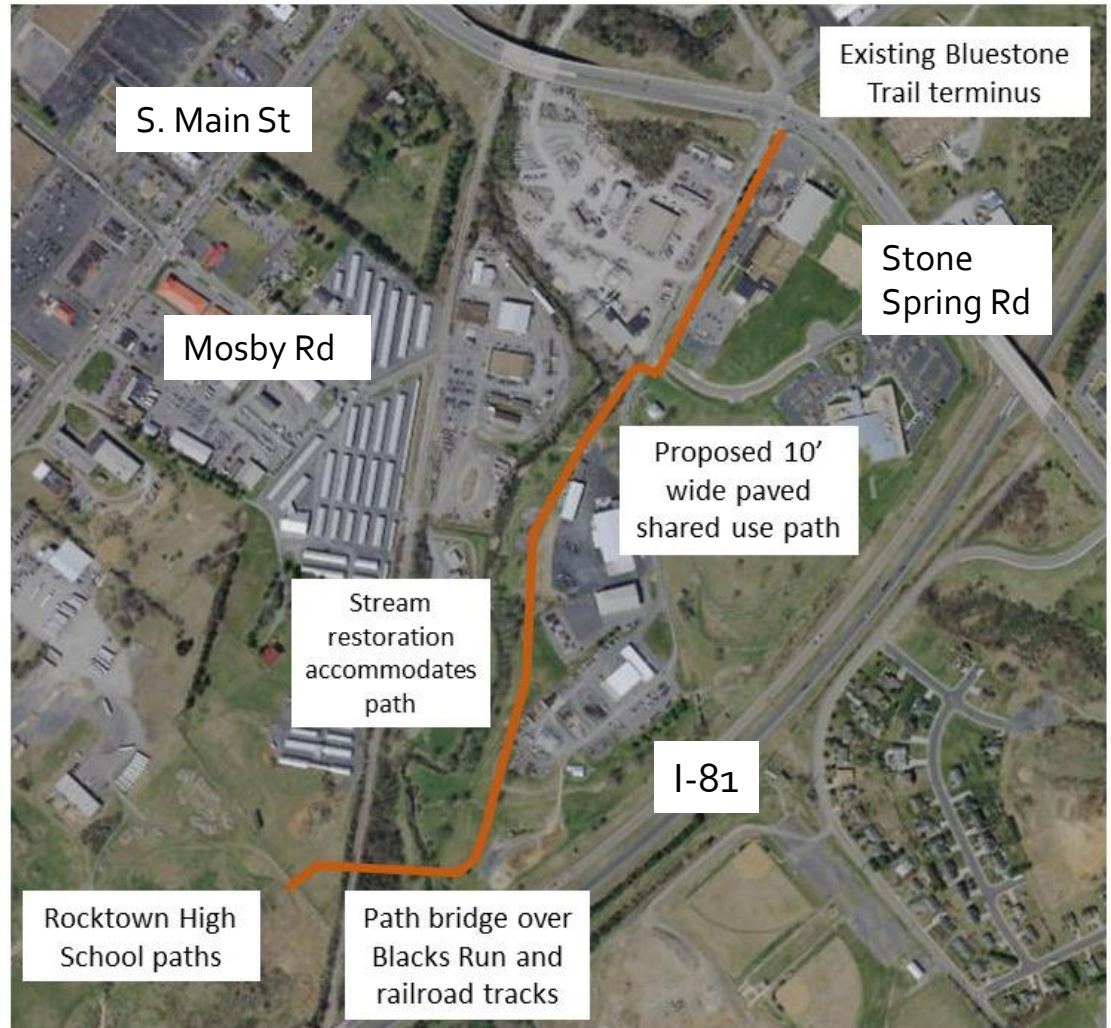
Project construction in or around 2031

The projects that staff anticipate as likely SMART SCALE applications are on the upcoming slides



Bluestone Trail Extension

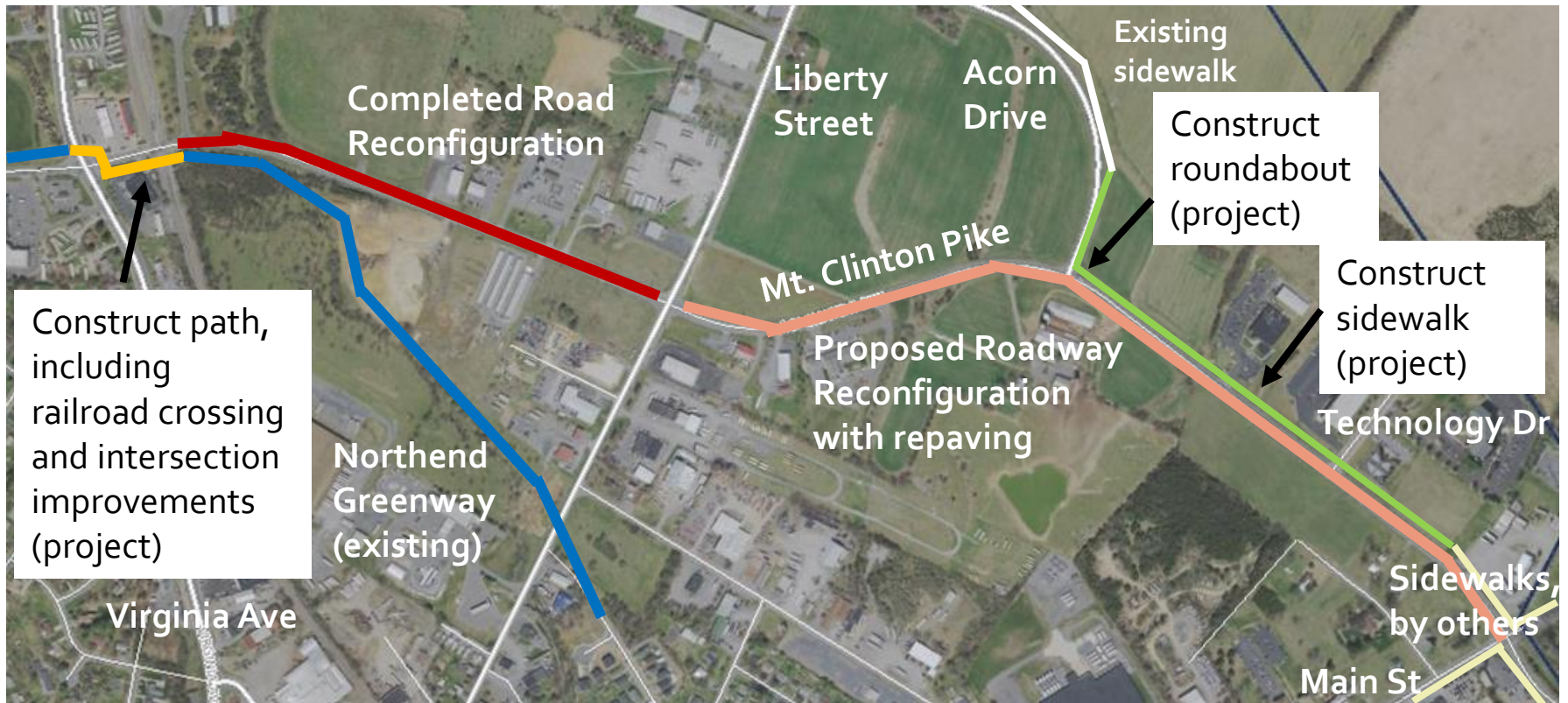
- Extends Bluestone Trail to Rocktown High School shared use paths
- Constructs approximately 0.7 miles of path, including bridge
- Cost ~\$14 million



Improvement locations and widths are not exact



Mt. Clinton Pike Corridor Project Overview

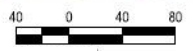
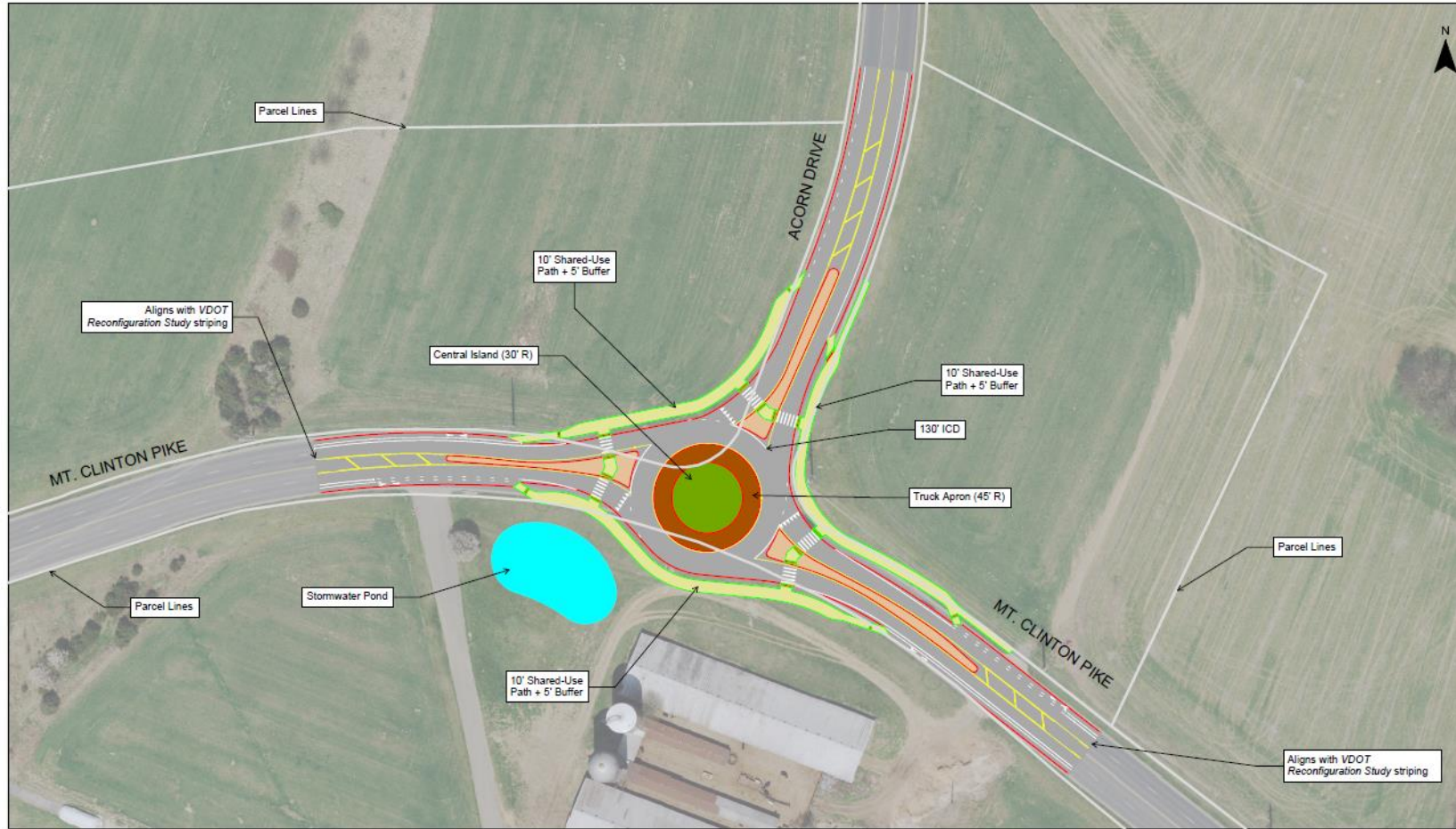


Improvement locations and widths are not exact

Cost ~\$9 million



Mt. Clinton Pike & Acorn Dr intersection



Mt. Clinton Pike/Acorn Drive Roundabout Concept
Harrisonburg, Virginia



S. Main Street

“Project Pipeline” Study completed in 2022

Components not yet funded:

- Median between Baxter Drive and Southgate Court
- Sidewalk (west side) from W. Kaylor Park Drive south to existing sidewalk
- Sidewalk (east side) between E. Kaylor Park Drive intersections
- Sidewalk (east side) from E. Kaylor Park Drive north to funded sidewalk just south of Mosby Road

Application(s) to include some or all components

Costs not yet calculated



Reservoir Street Median

Construct median to address crashes on segment
Costs not yet calculated



Neff Avenue

Costco

University Boulevard



Port Republic Road at I-81

“Project Pipeline” Study underway

Components discussed so far:

- Extend two lane queue length for SB off-ramp
- Add right-turn lane on Port Republic Road at Forest Hill Road
- Extend median on Port Republic Road to Forest hill Rd
- Extend protected bike lane on Port Republic Road to Forest Hill Road
- Dual right-turn lanes on Forest Hill Road at Port Republic Road
- Additional intersection changes

Public comment opportunity before study completion

Application to include some or all components

Costs not yet calculated



SMART SCALE Applications

Bluestone Trail Extension

Mt. Clinton Pike Corridor

S. Main Street Corridor

Reservoir Street Median

Port Republic Road at I-81



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Proposed Changes with Repaving – Garbers Church Road

Erickson Avenue

Springside Drive





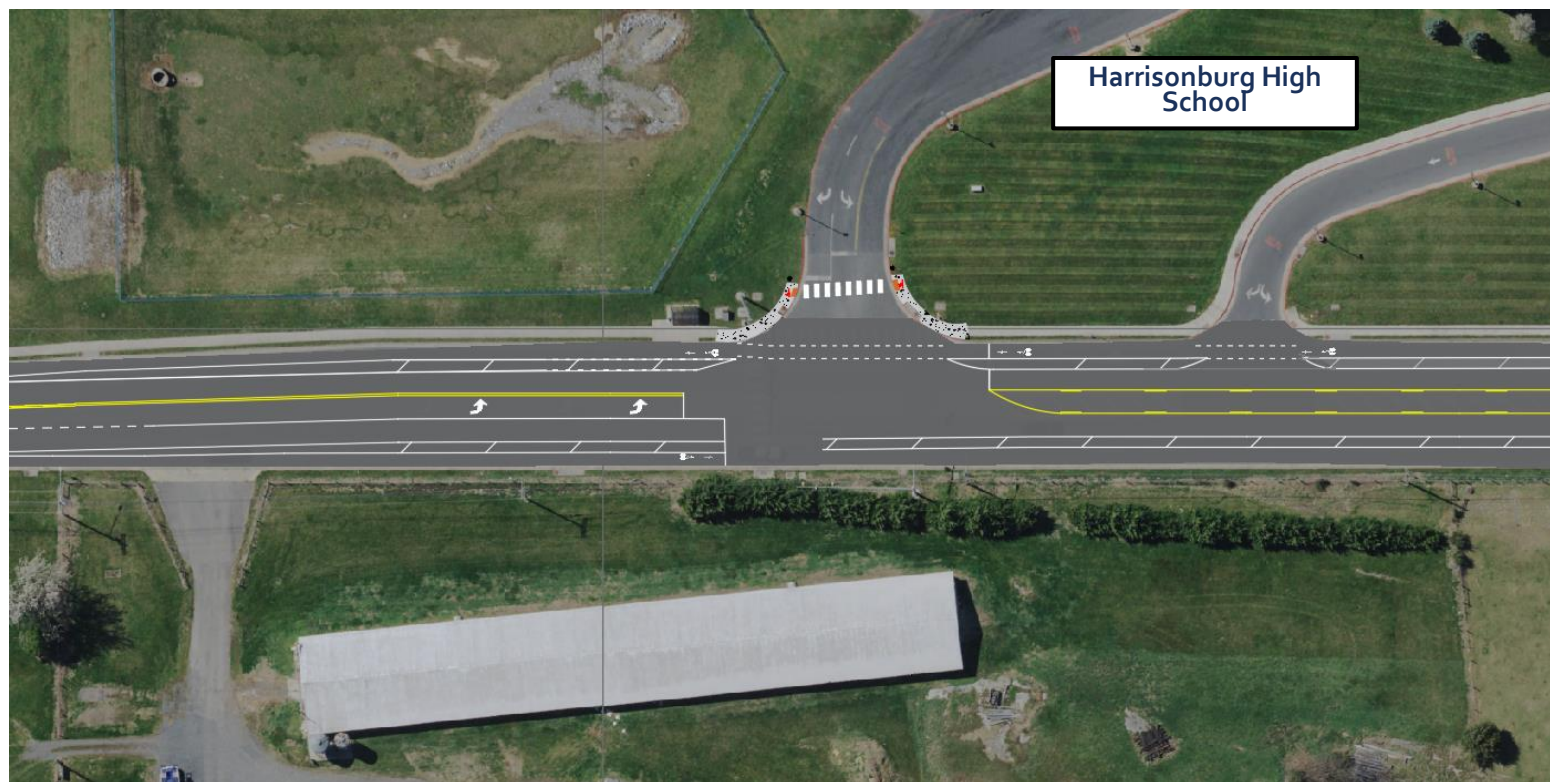
Proposed Changes with Repaving – Garbers Church Road



Springside Drive



Proposed Changes with Repaving – Garbers Church Road



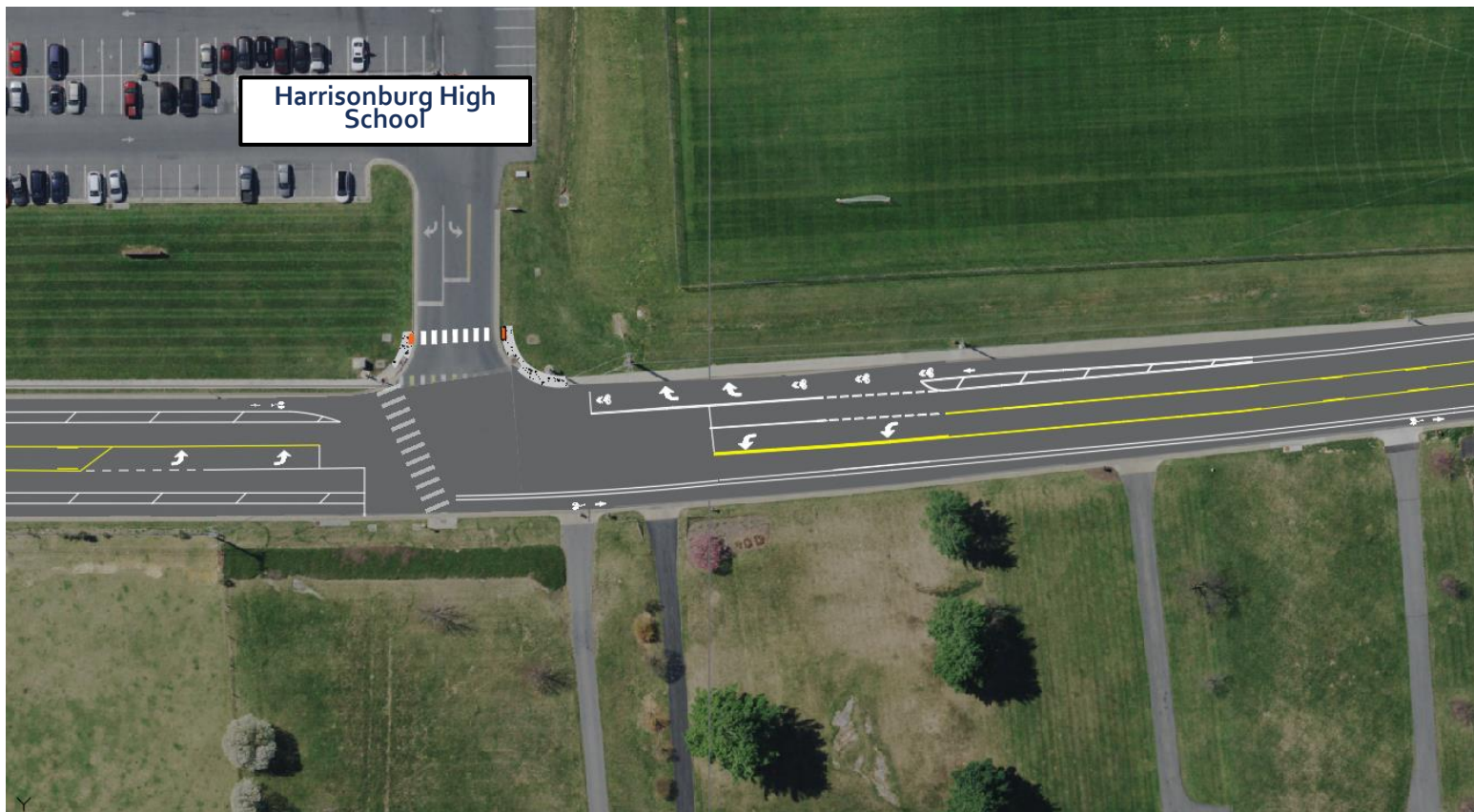


Proposed Changes with Repaving – Garbers Church Road



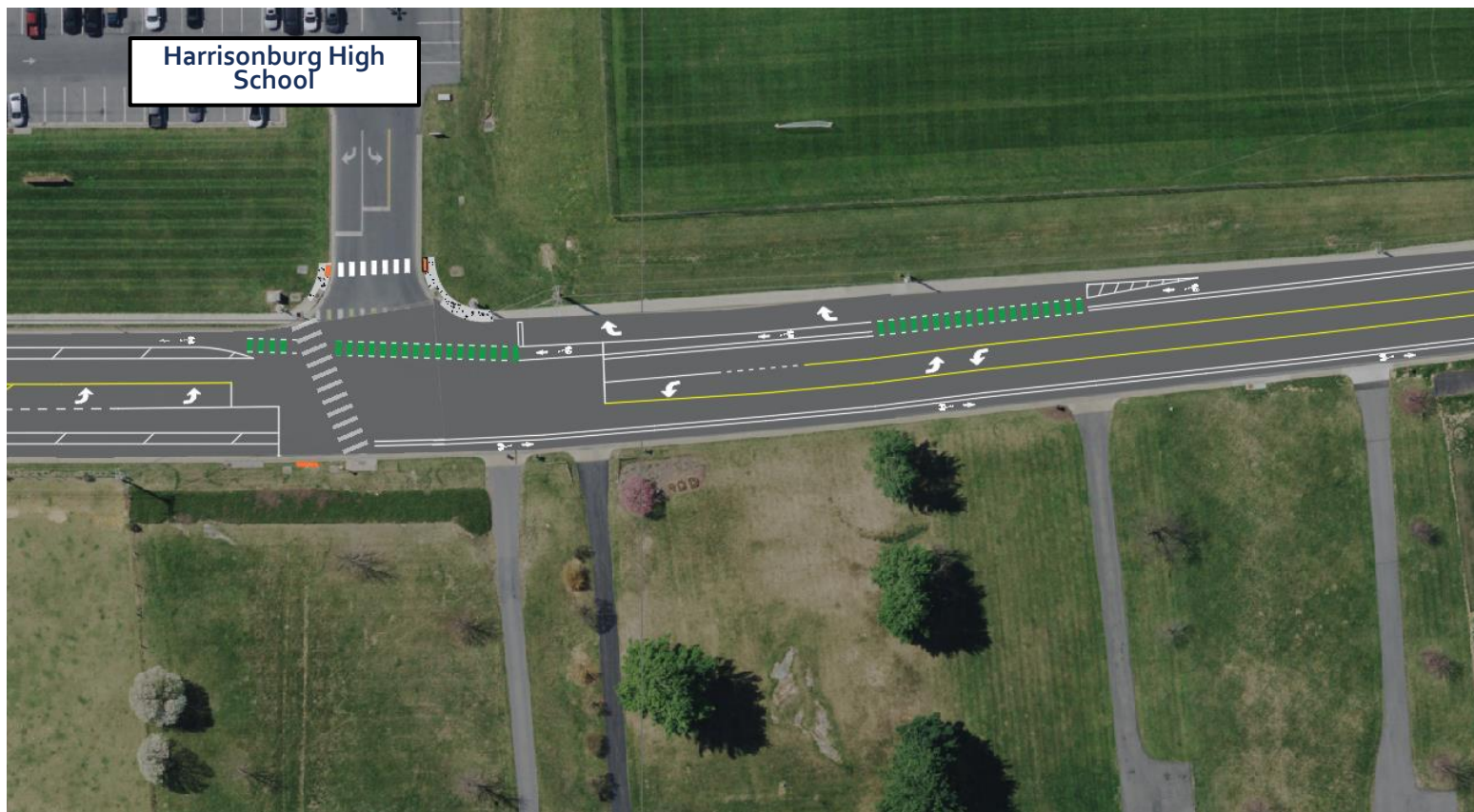


Proposed Changes with Repaving – Garbers Church Road





Proposed Changes with Repaving – Garbers Church Road





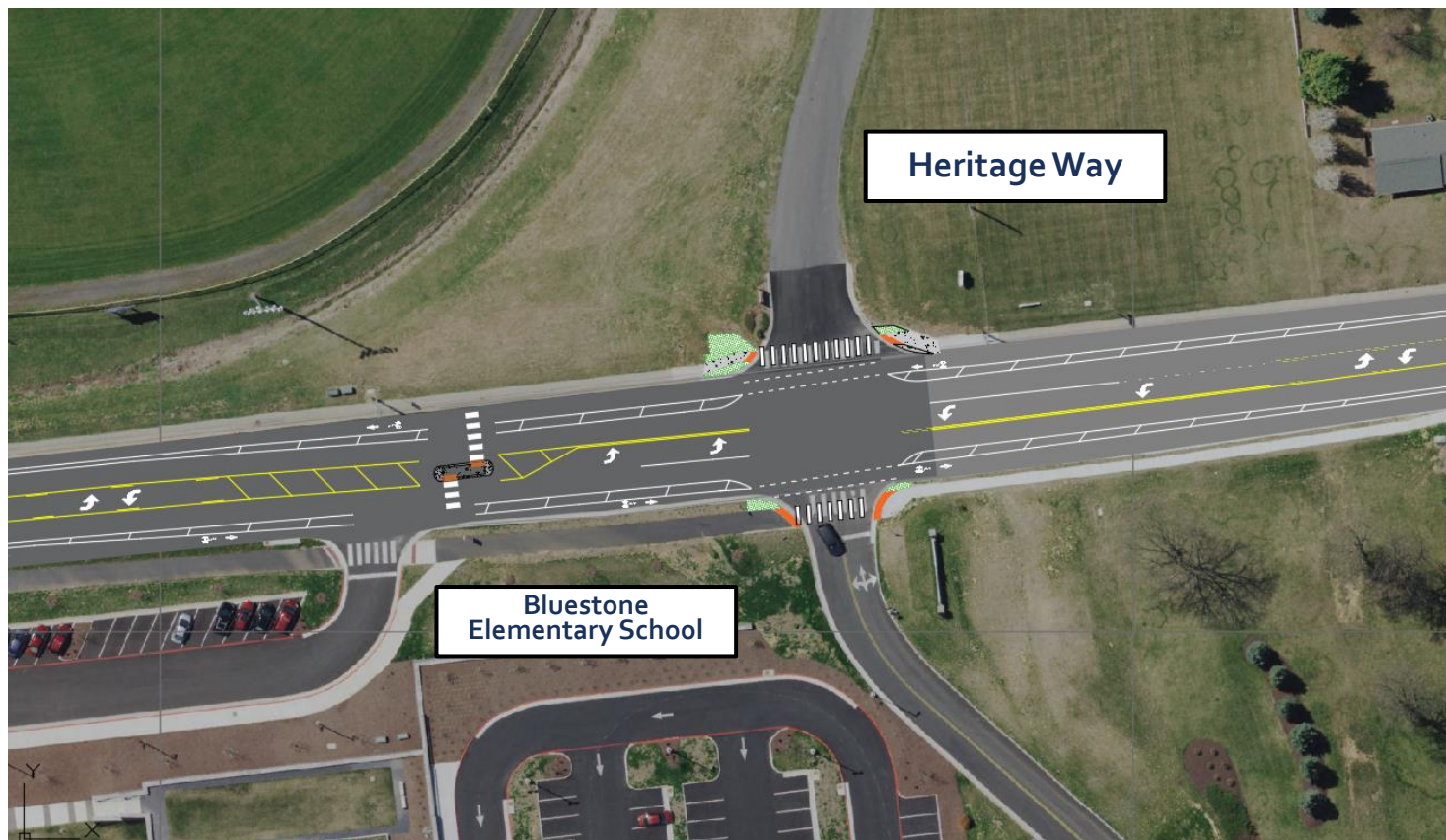
Proposed Changes with Repaving – Garbers Church Road



Bluestone
Elementary School



Proposed Changes with Repaving – Garbers Church Road

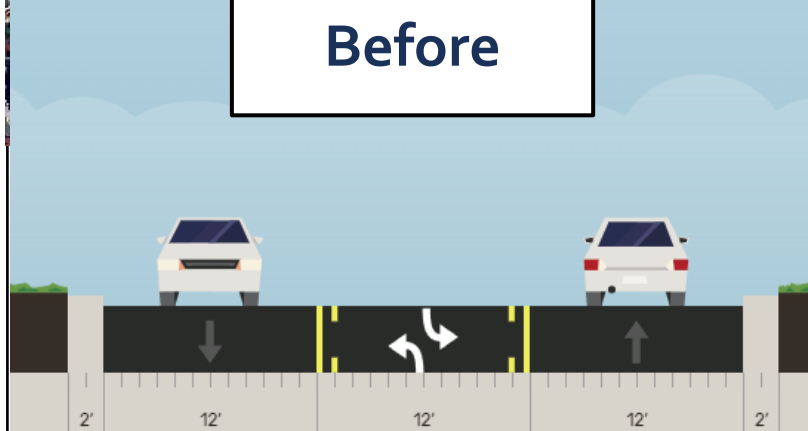




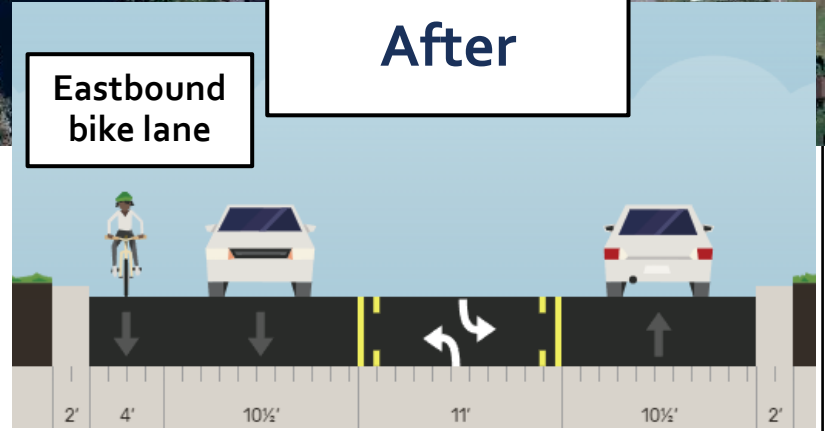
Proposed Changes with Repaving – Acorn Drive



Before



After



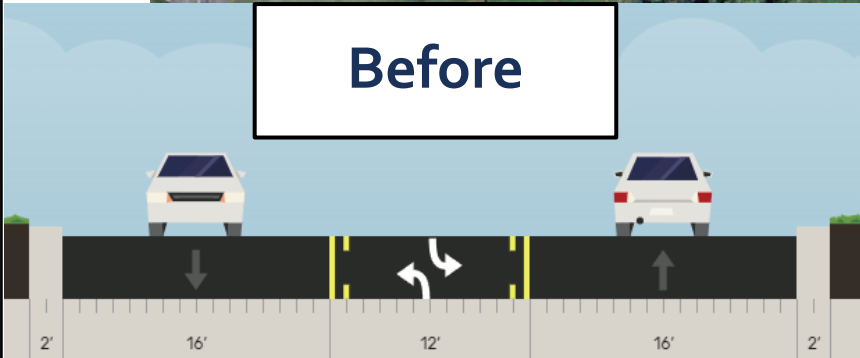
Eastbound bike lane



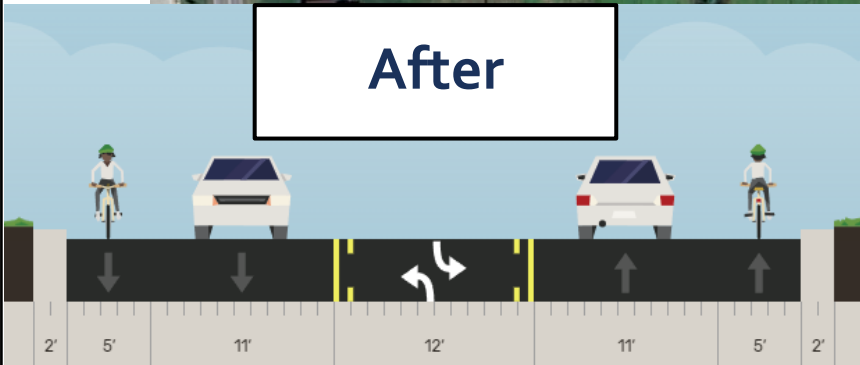
Proposed Changes with Repaving – Acorn Drive

North Liberty Street

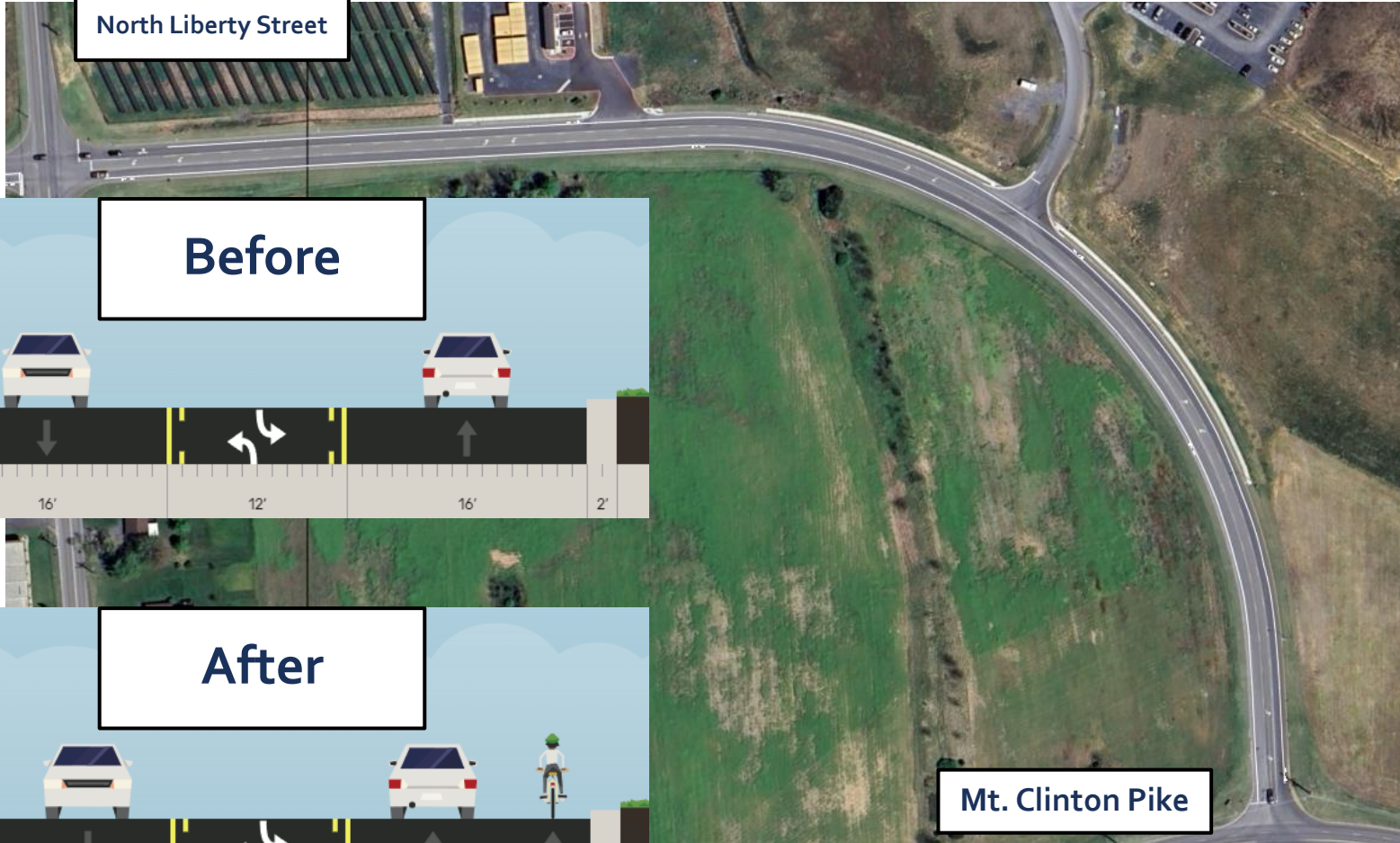
Before



After



Mt. Clinton Pike





2024 Repaving List

Street	Limits of Paving
ACORN DR	Virginia Ave – Liberty St
GARBERS CHURCH RD	Bluestone ES Entrance – Erickson Ave
N. LIBERTY ST	Gay St - North of Washington St
E. MARKET ST (EB Only)	1691 E. Market St – East City Limits
LINDA LN	E. Market St – Roundabout
SMITHLAND RD	Roundabout - R.R. Crossing
STERLING ST	E. Market St – Kelley St
KELLEY ST	Broad St – Tower St
MYERS AVE	Reservoir St – Paul St
GRATTAN ST	Mason St – Ott St
ROCK ST	N. Main St – Mason St
WILLOW ST	W. Market – Green St
CHICAGO AVE	Waterman Dr - Mt. Clinton Pike
GREYSTONE ST	Central Ave – Smith Ave
ORIOLE LN	Founders Way - Old Furnace Rd
HILLSIDE AVE	Monument Ave – Dead End South
WATER ST	Main St - Westside of Mid-Block Crossing

2024 repaving list/schedule is subject to change



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South Main Street Speed Limit Reduction

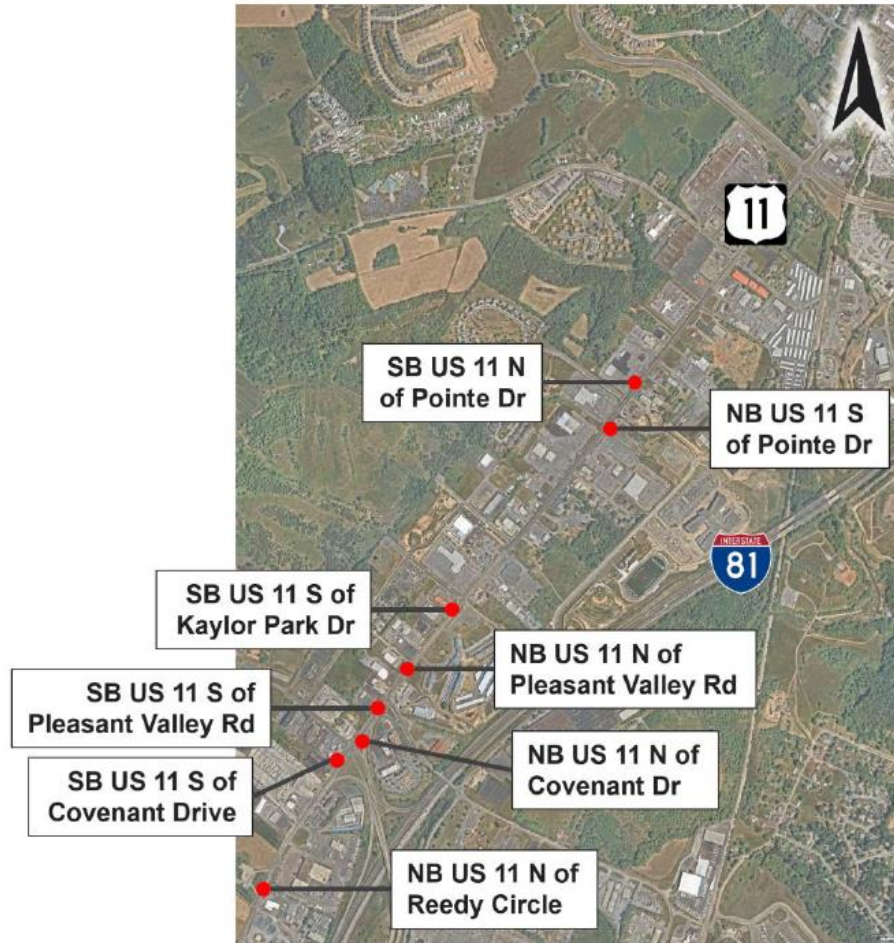


Figure 2. Speed Data Collection Locations



South Main Street Speed Limit Reduction

USLIMITS2 Speed Zoning Report

Project Overview

Project Name: 243 OSAR Mosby to Covenant

Analyst: Mitchell Davis

Date: 2023-10-26

Basic Project Information

Route Name: US 11 S Main Street
From: Mosby Road
To: Covenant Drive
State: Virginia
County: Harrisonburg city
City: Harrisonburg city
Route Type: Road Section In Developed Area
Route Status: Existing

Crash Data Information

Crash Data Years: 5.00
Crash AADT: 22000 veh/day
Total Number of Crashes: 131
Total Number of Injury Crashes: 29
Section Crash Rate: 261 per 100 MVM
Section Injury Crash Rate: 58 per 100 MVM
Crash Rate Average for Similar Roads: 231
Injury Rate Average for Similar Roads: 77

Roadway Information

Section Length: 1.25 mile(s)
Statutory Speed Limit: 25 mph
Existing Speed Limit: 45 mph
Adverse Alignment: No
One-Way Street: No
Divided/Undivided: TWLTL
Number of Through Lanes: 4
Area Type: Commercial
Number of Driveways: 85
Number of Signals: 3

Traffic Information

85th Percentile Speed: 48 mph
50th Percentile Speed: 41 mph
AADT: 22000 veh/day
On Street Parking and Usage: Not High
Pedestrian / Bicyclist Activity: High



South Main Street Speed Limit Reduction

Segment Speed Limit Analysis

Analysis Segment	85 th Percentile Speed (mph)	50 th Percentile Speed (mph)	Existing Speed Limit (mph)	NCHRP Suggested Speed Limit (mph)	USLIMITS2 Suggested Speed Limit (mph)
1: Pleasant Hill Road to Mosby Road	37.4	28.6	35	30	30
2: Mosby Road to Covenant Drive	47.7	41.1	45	40	40
3: Covenant Drive to Reedy Circle	43.4	39.5	45	40	40

- **Segment 1: Over 60 access points per mile; closest rounded 50th percentile speed recommended as speed limit**
- **Segment 2: Over 60 access points per mile; closest rounded 50th percentile speed recommended as speed limit**
- **Segment 3: Critical crash rate caused closest rounded 50th percentile speed to be recommended as speed limit**



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