

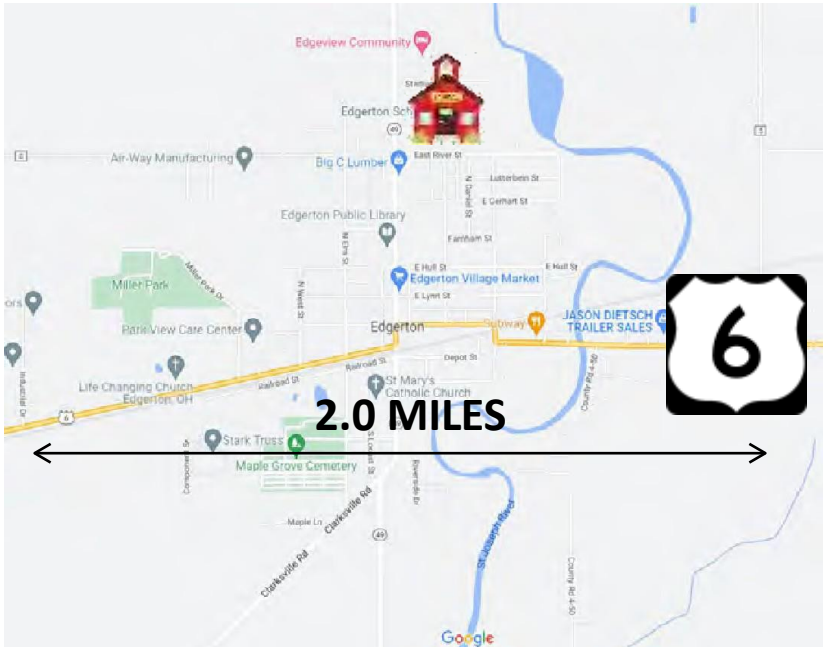


Pedestrian Safety is Roadway Safety

Protecting Our Most Vulnerable Road Users

VILLAGE OF EDGERTON

Our Hometown Yours and Mine

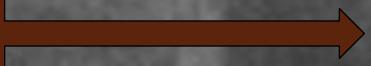


★ District office location



1994

Elementary School



Stadium Dr

49

East River St

East River St

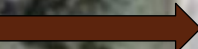
Image U.S. Geological Survey

Google E



2003

High School



Stadium Dr

49

Fast River St

East River St

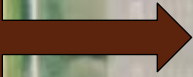
Image USDA/FPAC/GEO
Image U.S. Geological Survey

Google E

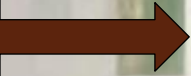


2005

Student
Parking



More Parking



Stadium Dr

49

East River St

East River St

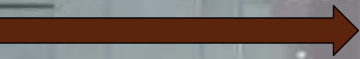
Image State of Ohio / OSIP

Google E



2010

Middle School



Stadium Dr

49

Fast River St

East River

Google E

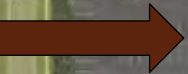


2013

Stadium Dr

49

More Parking



East River St

East River St

Google E

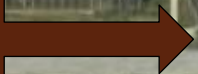


2018

Stadium Dr

49

More Parking



East River St

East River St

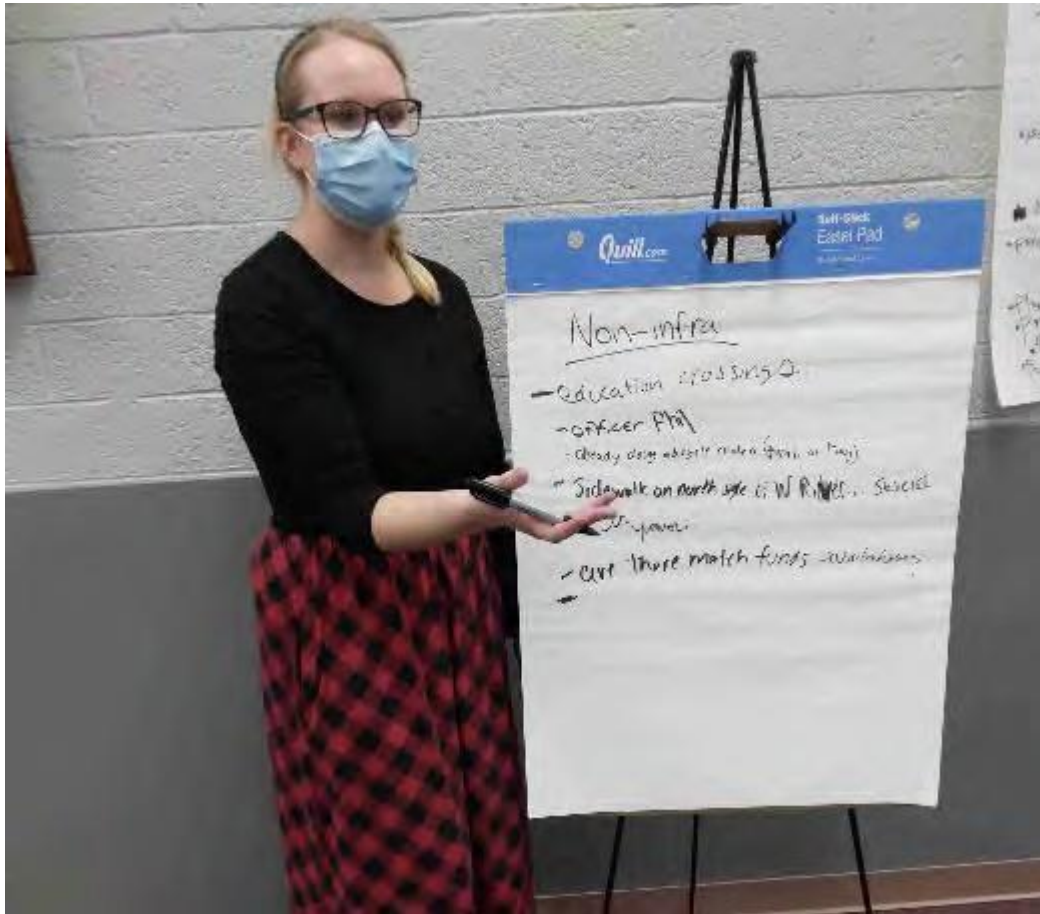
Google E



	Highway Safety Improvement Program Systemic Funding Application	Safe Routes to School Infrastructure Funding Application
Basis	Systemic Pedestrian Infrastructure, Preferably FHWA Proven Safety Countermeasures	Infrastructure projects within two miles of schools serving K-12 students.
Eligible Phases	Detailed Design through Construction	Preliminary Engineering to Inspection
Maximum Project Cost	\$2 million	\$500,000 (was \$400,000)
Proportion Funded	90% with 10% Sponsor Match	100% Funding
Application Due	January	January – March



Maumee Valley Planning Organization

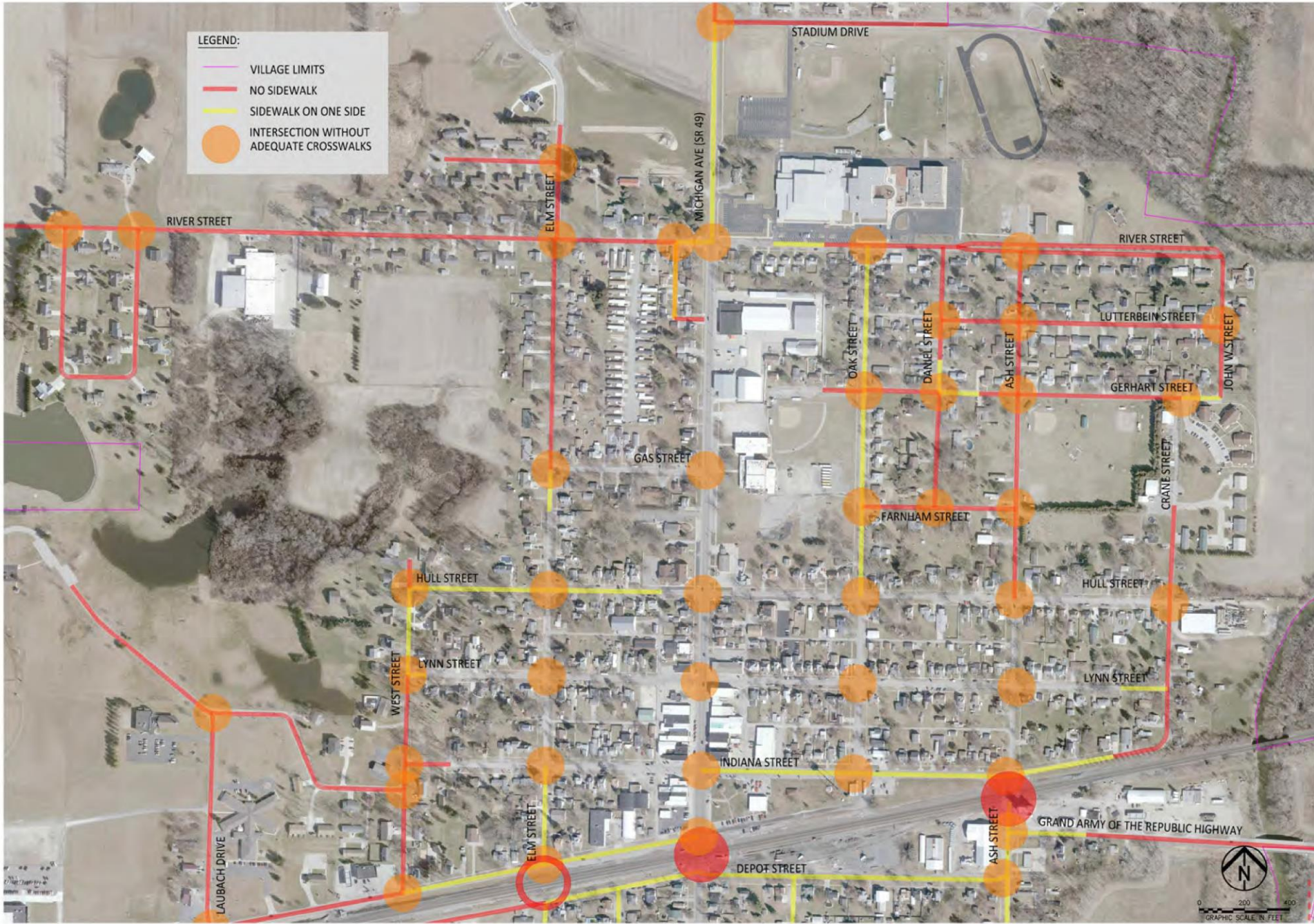


School Travel Plan:

- Stakeholder SRTS Committee
- Data collection- Travel Tallies, Walk Audit, Student Parent Survey
- Public Engagement
- Identifying problems and concerns
- Goal Development
- Plan Creation
- ODOT Approval

LEGEND:

- VILLAGE LIMITS
- NO SIDEWALK
- SIDEWALK ON ONE SIDE
- INTERSECTION WITHOUT ADEQUATE CROSSWALKS



VILLAGE OF EDGERTON
 PEDESTRIAN SAFETY
 OHIO DEPARTMENT OF
 TRANSPORTATION

CONCEPTUAL

DATE: _____

REVISIONS	
Δ	DESCRIPTION

PROJECT NO.: 21-00314-010
 DRAWN BY: ROW
 CHECKED BY: _____
 DATE ISSUED: 2022/03/04

SIDEWALKS



LEGEND:

- VILLAGE LIMITS
- NO SIDEWALK
- SIDEWALK ON ONE SIDE
- INTERSECTION WITHOUT ADEQUATE CROSSWALKS
- PEDESTRIAN RAILROAD CROSSING NEEDED
- UNMARKED RAILROAD CROSSING BY PEDESTRIANS

VILLAGE OF EDGERTON
 PEDESTRIAN SAFETY
 OHIO DEPARTMENT OF
 TRANSPORTATION

CONCEPTUAL

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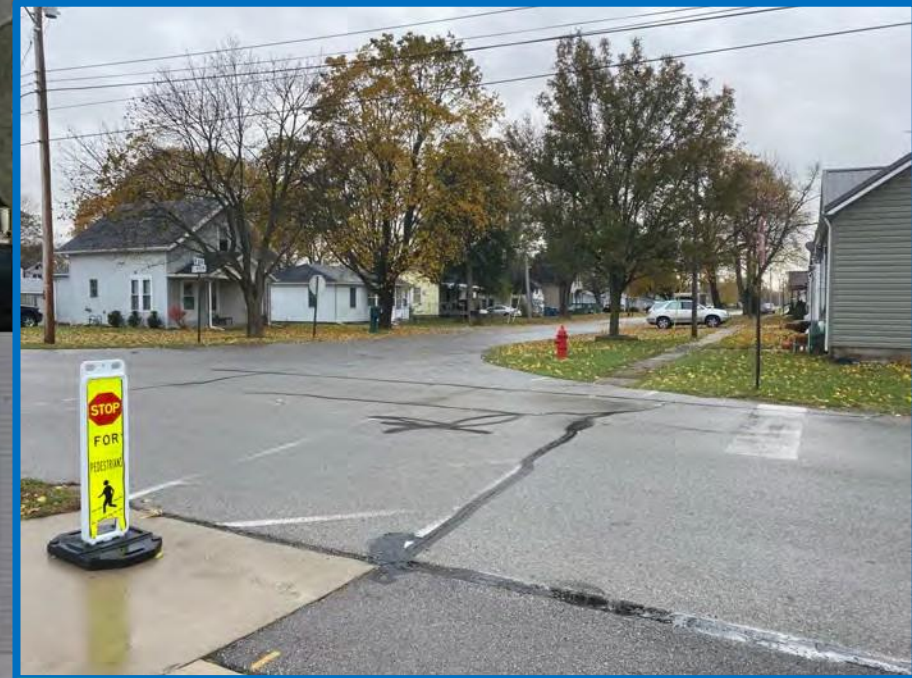
PEDESTRIAN
 INFRASTRUCTURE
 (SOUTH)

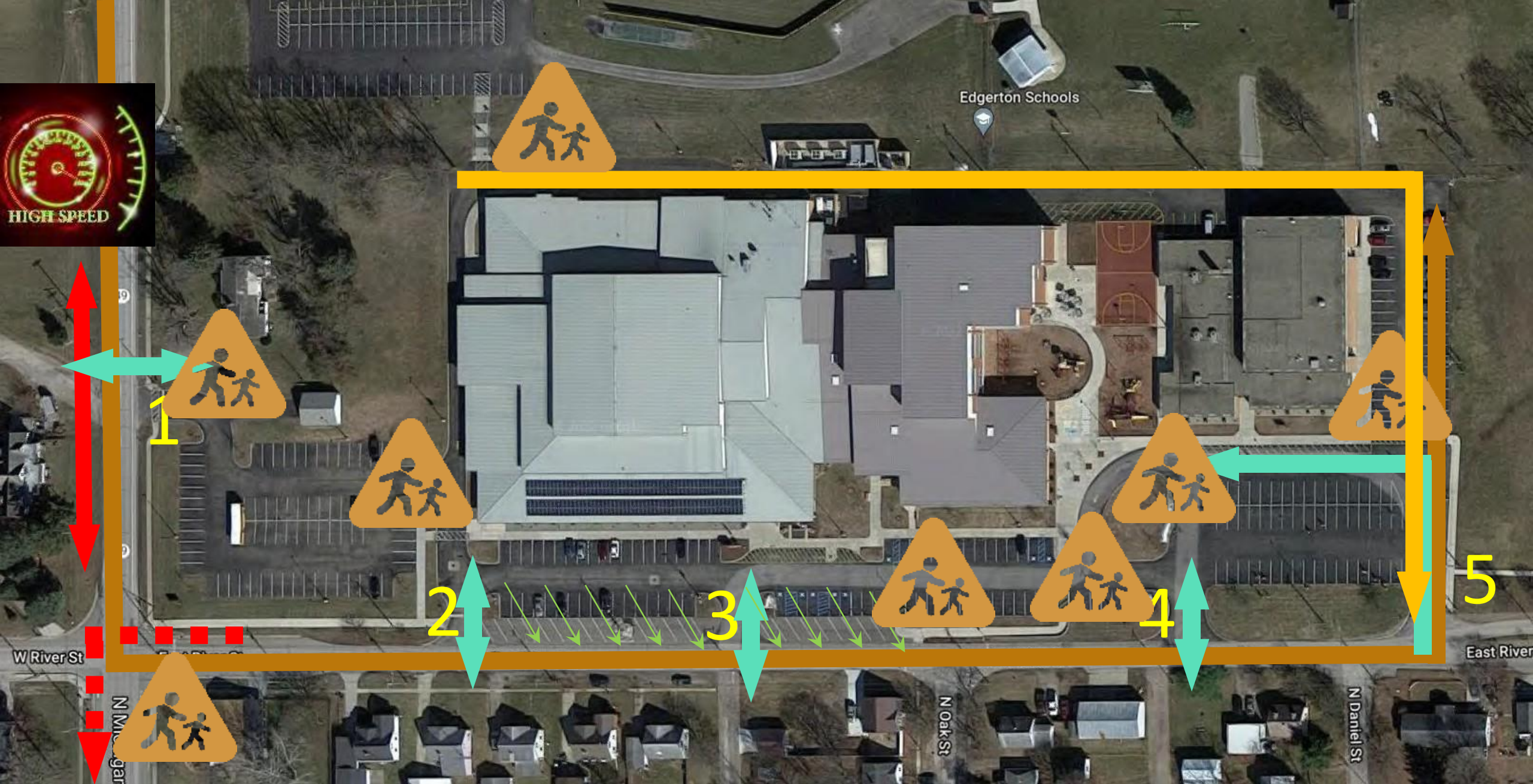
SIDEWALKS

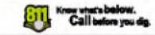
COURTESY OF EDGERTON VILLAGE ENGINEERS, 11000 STATE ROUTE 49, EDGERTON, OHIO 43021. PHOTOGRAPHY BY JEFFREY W. BROWN, PHOTOGRAPHY.COM, 2022.03.04.010

Planned Residential
and Commercial
Development









VILLAGE OF EDGERTON
PEDESTRIAN SAFETY
OHIO DEPARTMENT OF
TRANSPORTATION

CONCEPTUAL

DATE:

REVISIONS		
Δ	DATE	DESCRIPTION
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PROJECT NO.: 21-00314-010
DRAWN BY: RSW
CHECKED BY: ----
DATE ISSUED: 2022/03/04

RIVER STREET 2 OF 4



LEGEND:

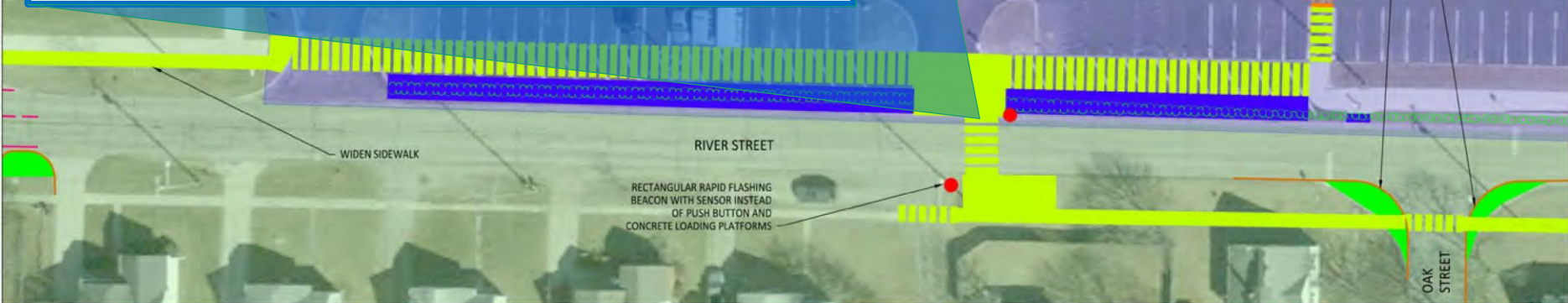
- VILLAGE LIMITS
- - - - RAISED CROSSWALK
- - - - CROSSWALK
- - - - RAIL CROSSING
- SIDEWALK OR CONCRETE SURFACE
- SIDEWALK (LATER PHASE)
- SIDEWALK (BY OTHERS)
- GRASS/TURF=F
- AGGREGATE BUS DRIVE
- CURB
- ○ ○ ○ PEDESTRIAN GUIDANCE SHRUBS
- REMOVED PAVEMENT
- PAVEMENT PAINT
- SYSTEMIC SAFETY APPLICATION
- SAFE ROUTES TO SCHOOL APPLICATION
- NEW PAVEMENT

CHOOOLS
APPLICATION SHEET
(IMPROVEMENT
URES)

CURB INSTALLED AND RETURN
RADIII REDUCED FOR TRAFFIC
CALMING AND INCREASED
PEDESTRIAN SAFETY

SEE MICHIGAN AVE ROAD DIET

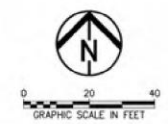
SEE NEXT SHEET



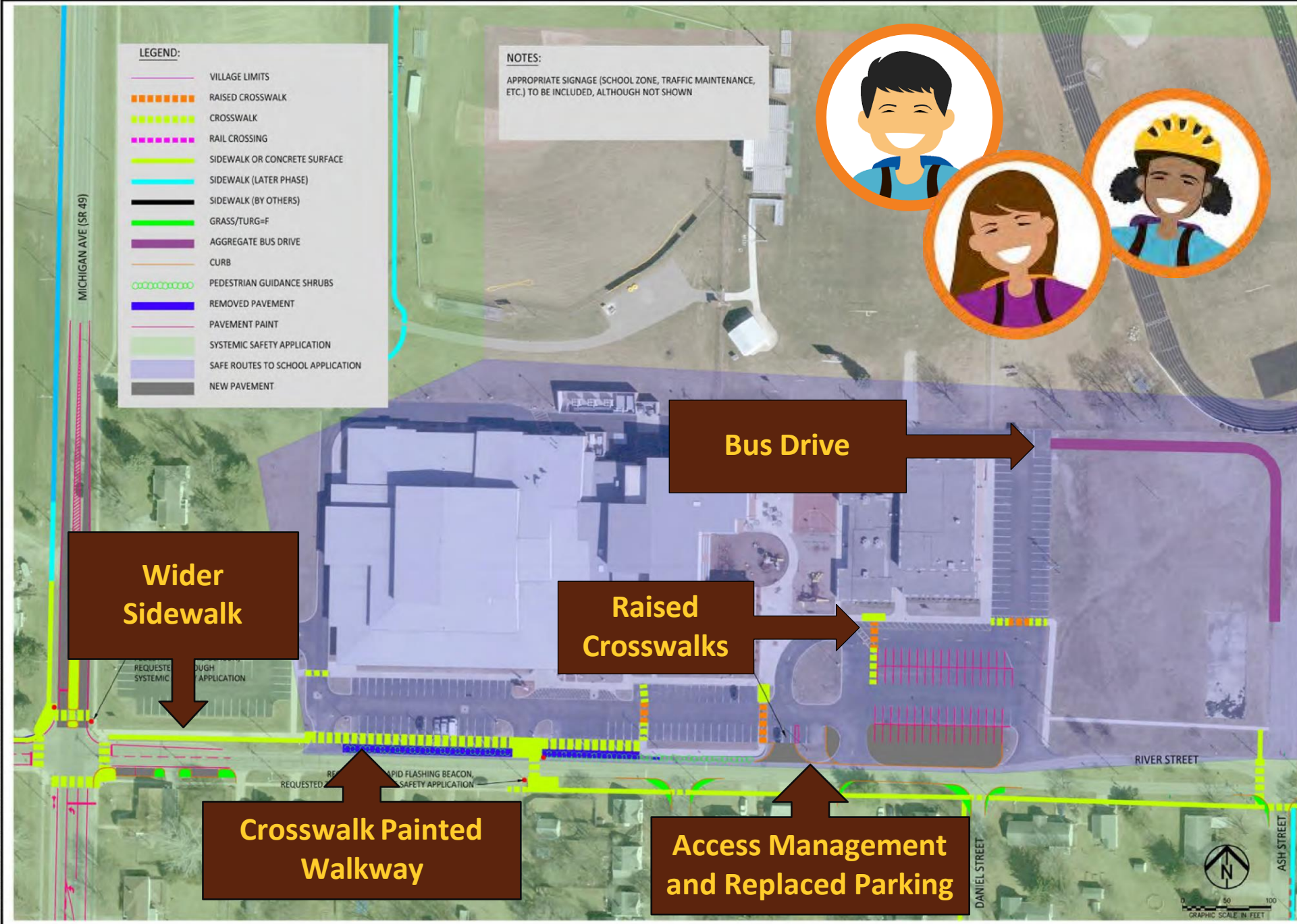
NOTES:

APPROPRIATE SIGNAGE (SCHOOL ZONE, TRAFFIC MAINTENANCE, ETC.) TO BE INCLUDED, ALTHOUGH NOT SHOWN

CURB RAMPS TO BE CONSTRUCTED WHENEVER SIDEWALK IS CONSTRUCTED AND CONNECTED TO A CROSSWALK



PROPOSED SAFETY IMPROVEMENTS



- LEGEND:**
- VILLAGE LIMITS
 - - - RAISED CROSSWALK
 - - - CROSSWALK
 - - - RAIL CROSSING
 - SIDEWALK OR CONCRETE SURFACE
 - SIDEWALK (LATER PHASE)
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NOTES:
 APPROPRIATE SIGNAGE (SCHOOL ZONE, TRAFFIC MAINTENANCE, ETC.) TO BE INCLUDED, ALTHOUGH NOT SHOWN



Wider Sidewalk

Bus Drive

Raised Crosswalks

Crosswalk Painted Walkway

Access Management and Replaced Parking

**VILLAGE OF EDGERTON
 PEDESTRIAN SAFETY
 OHIO DEPARTMENT OF
 TRANSPORTATION**

CONCEPTUAL

DATE: _____

REVISIONS	
Δ	DESCRIPTION

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SAFE ROUTES TO SCHOOL

PROPOSED SAFETY IMPROVEMENTS

it

Review:

- Install and improve crosswalks
- Improve traffic flow and reduce modality interactions
- Improve pedestrian continuity
- Improve pedestrian conspicuity
- Install traffic calming

\$438,000

SCHOOL ZONE, TRAFFIC MAINTENANCE, THOUGH NOT SHOWN

PARKING LINES REMOVED FOR PROPOSED EGRESS

PEDESTRIAN HYBRID BEACON, REQUESTED THROUGH SYSTEMIC SAFETY APPLICATION

RECTANGULAR RAPID FLASHING BEACON, REQUESTED THROUGH SYSTEMIC SAFETY APPLICATION

RIVER STREET

CONCEPTUAL

DATE:

REVISIONS

Δ	DATE	DESCRIPTION
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PROJECT NO.: 21-00314-010

DRAWN BY: RSW

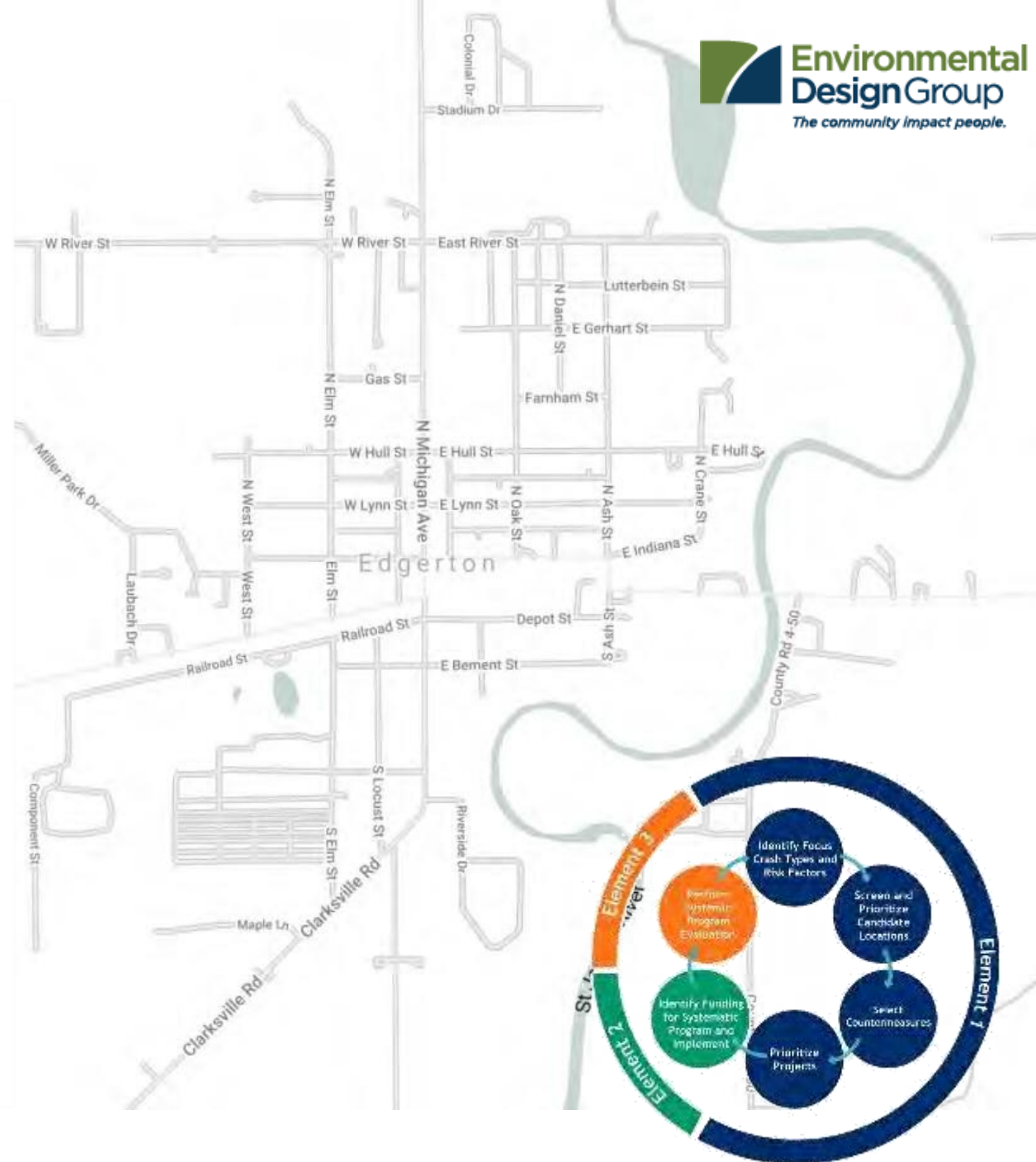
CHECKED BY: ---

DATE ISSUED: 2022/03/04

SAFE ROUTES TO

We know:

- The entire Village is within the 2-mile radius of the school without bus service
- High Truck Proportion on Michigan Avenue and River Street
- Speeding on Michigan Avenue and River Street
- Inconspicuous or Non-existent Pedestrian Infrastructure
- No pedestrian crossings at railroads
- Proposed Development will increase vehicular AND pedestrian trips





Wide Lanes:

- Lead drivers to speed
- Reduce focus on objects on the periphery of the roadway
- Tend to cause crashes with drivers “creating a lane”
- Longer distances for pedestrians to cross

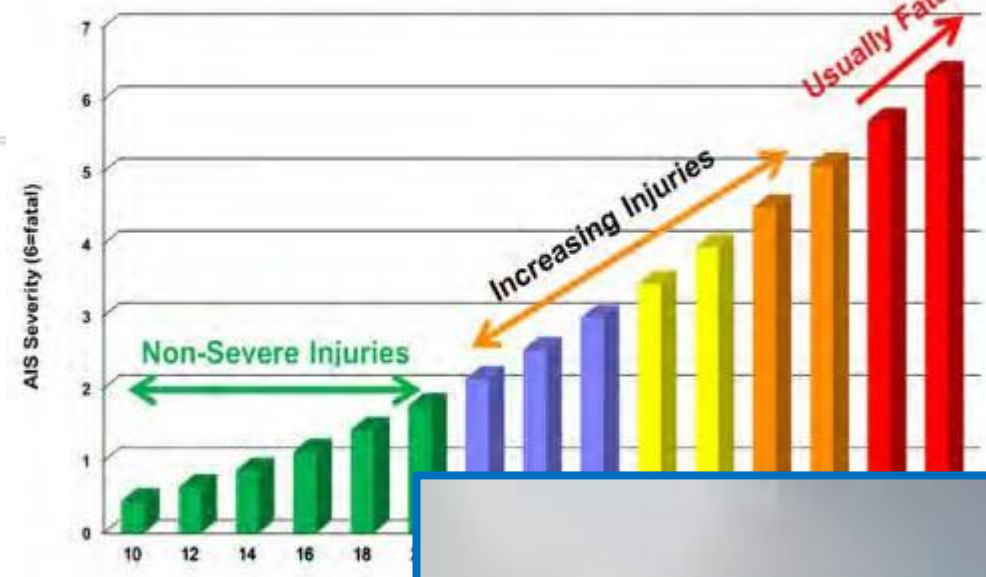
“Lanes greater than 11 feet should not be used as they may cause unintended speeding and assume valuable right of way at the expense of other modes.”

National Association of City Transportation Officials (NACTO)

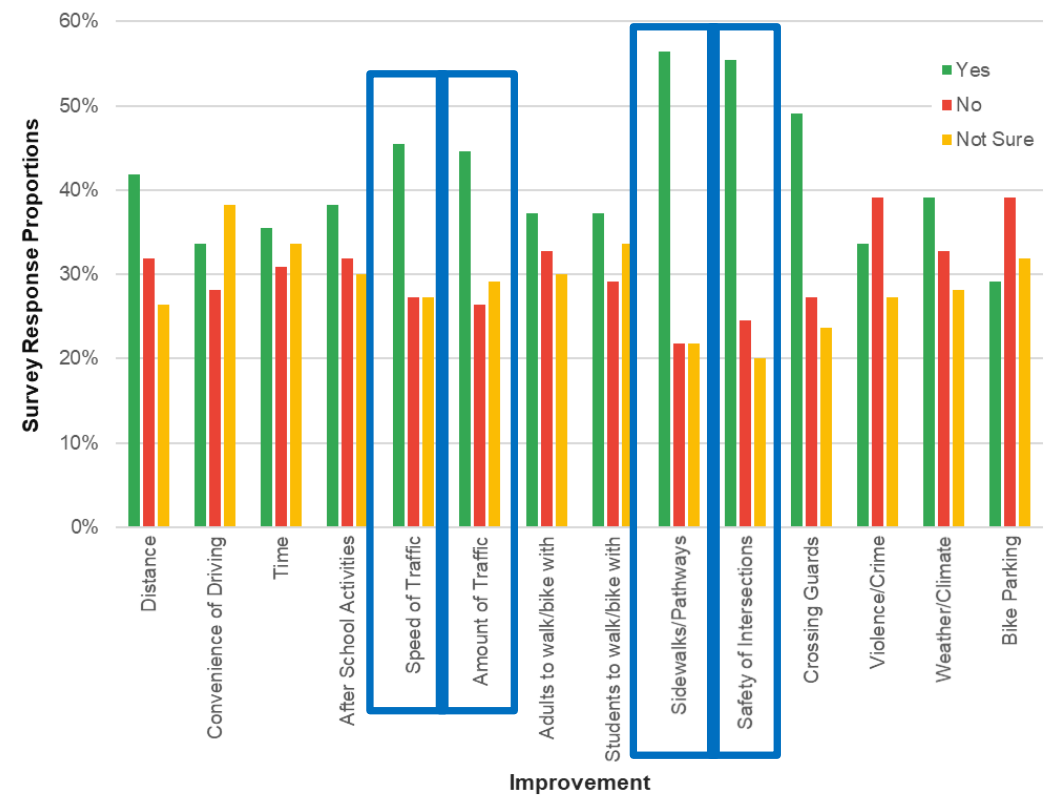


Vehicle Impact Speed vs. Pedestrian Injury

(Initial Impact only)



Permission to Walk/Bike with Improvements



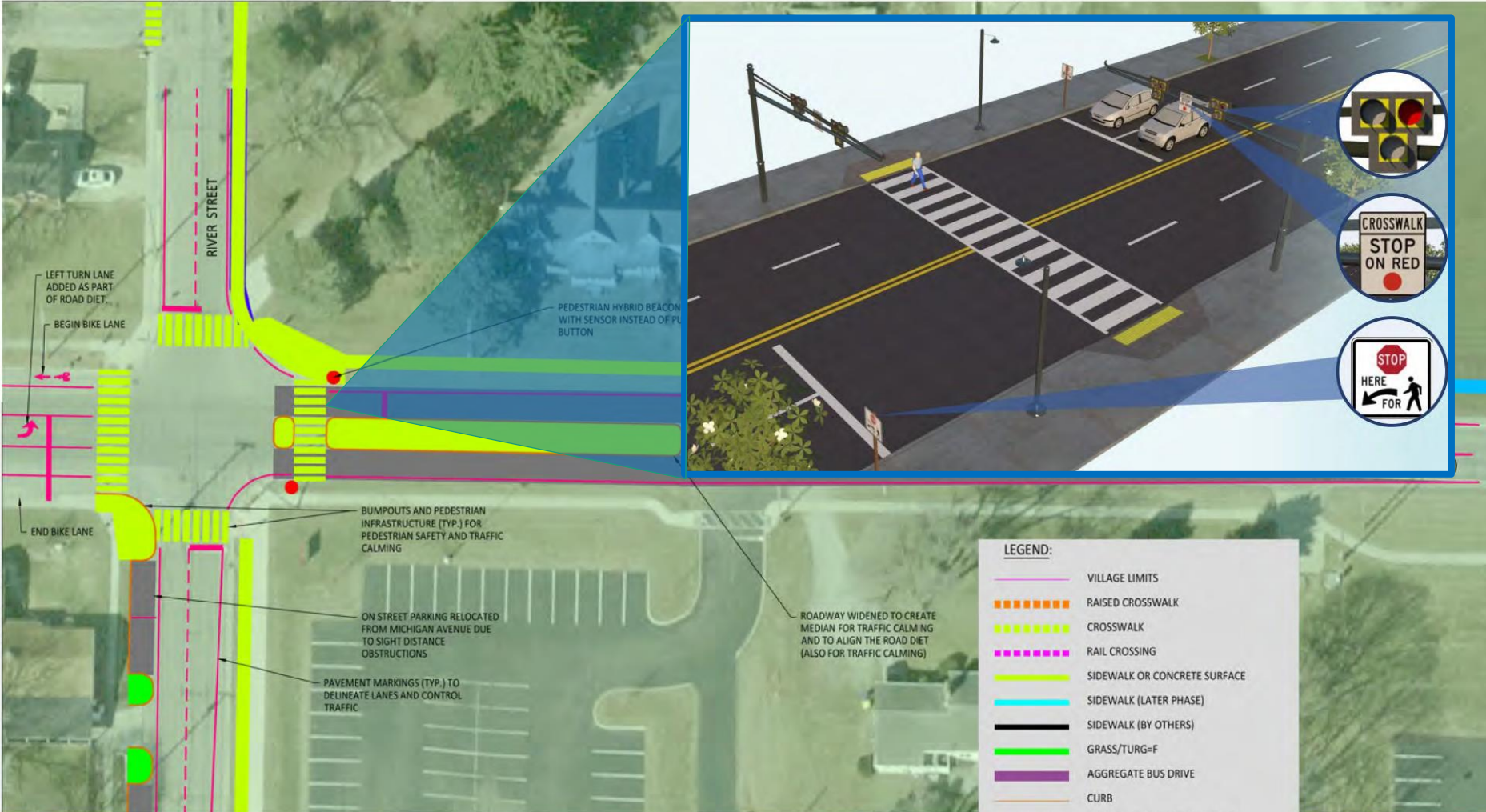
Grand Army of the Republic Hwy
2-50

“Right-size” the lanes:

- Reduce lane width to 11 feet
- Add center turn lane to improve flow, reduce crashes, and provide more time for a driver to look for pedestrians
- Add bike lanes (also traffic calming effect)
- Decrease vehicular traffic on the roadway due to increased modalities
- ODOT Promoted Safety Improvement Countermeasure for Systemic Safety
- Relatively low cost



SEE NEXT SHEET



SEE PREVIOUS SHEET

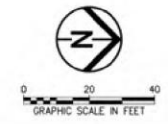
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CURB RAMPS TO BE CONSTRUCTED WHENEVER SIDEWALK IS CONSTRUCTED AND CONNECTED TO A CROSSWALK

LEGEND:

- VILLAGE LIMITS
- RAISED CROSSWALK
- CROSSWALK
- RAIL CROSSING
- SIDEWALK OR CONCRETE SURFACE
- SIDEWALK (LATER PHASE)
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- REMOVED PAVEMENT
- PAVEMENT PAINT
- SYSTEMIC SAFETY APPLICATION
- SAFE ROUTES TO SCHOOL APPLICATION
- NEW PAVEMENT



SEE CONCEPTUAL PLAN FOR CONTINUING INFRASTRUCTURE



VILLAGE OF EDGERTON
PEDESTRIAN SAFETY
OHIO DEPARTMENT OF
TRANSPORTATION

CONCEPTUAL

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REVISIONS		
Δ	DATE	DESCRIPTION

PROJECT NO.: 21-00314-010
DRAWN BY: RSW
CHECKED BY: _____
DATE ISSUED: 2022/03/04

ROAD DIET 6 OF 6

PROPOSED SAFETY IMPROVEMENTS

VILLAGE OF EDGERTON
 PEDESTRIAN SAFETY
 OHIO DEPARTMENT OF
 TRANSPORTATION

CONCEPTUAL

DATE: _____

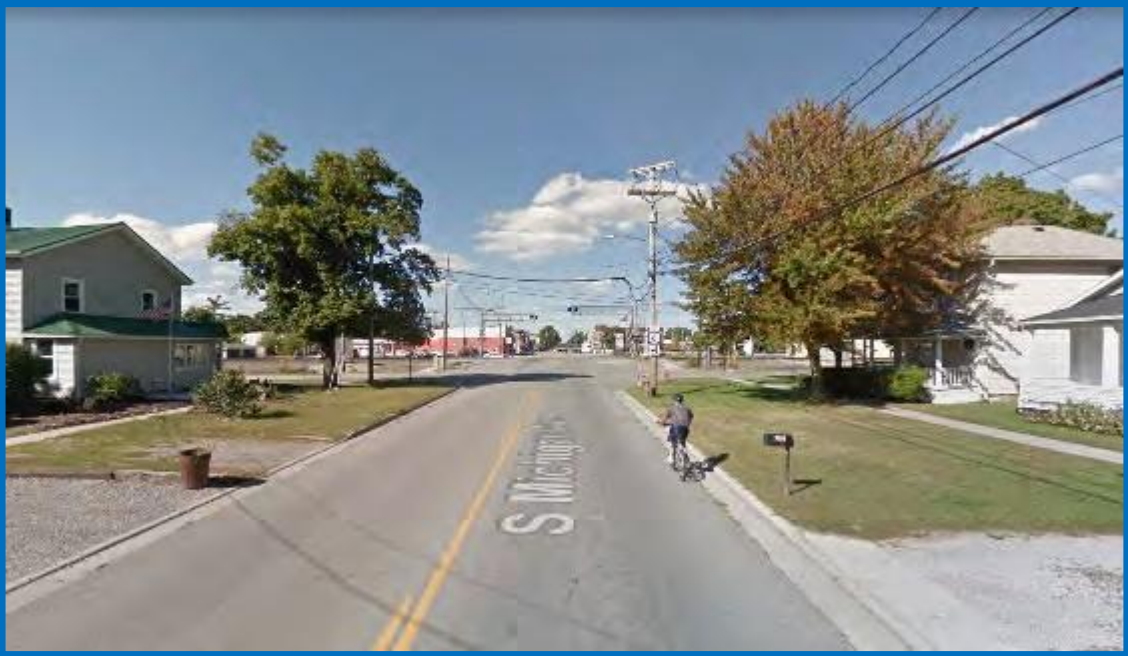
REVISIONS	
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PROJECT NO.: 21-00314-010
 DRAWN BY: RSW
 CHECKED BY: ----
 DATE ISSUED: 2022/03/04

ROAD DIET 3 OF 6

LEGEND:

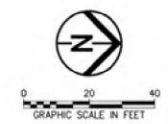
- VILLAGE LIMITS
- RAISED CROSSWALK
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- RAIL CROSSING
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NOTES:

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SEE PREVIOUS SHEET

SEE NEXT SHEET

PROPOSED SAFETY IMPROVEMENTS

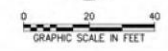
SEE PREVIOUS SHEET



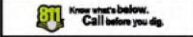
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SEE NEXT SHEET



VILLAGE OF EDGERTON
PEDESTRIAN SAFETY
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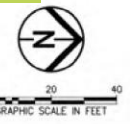
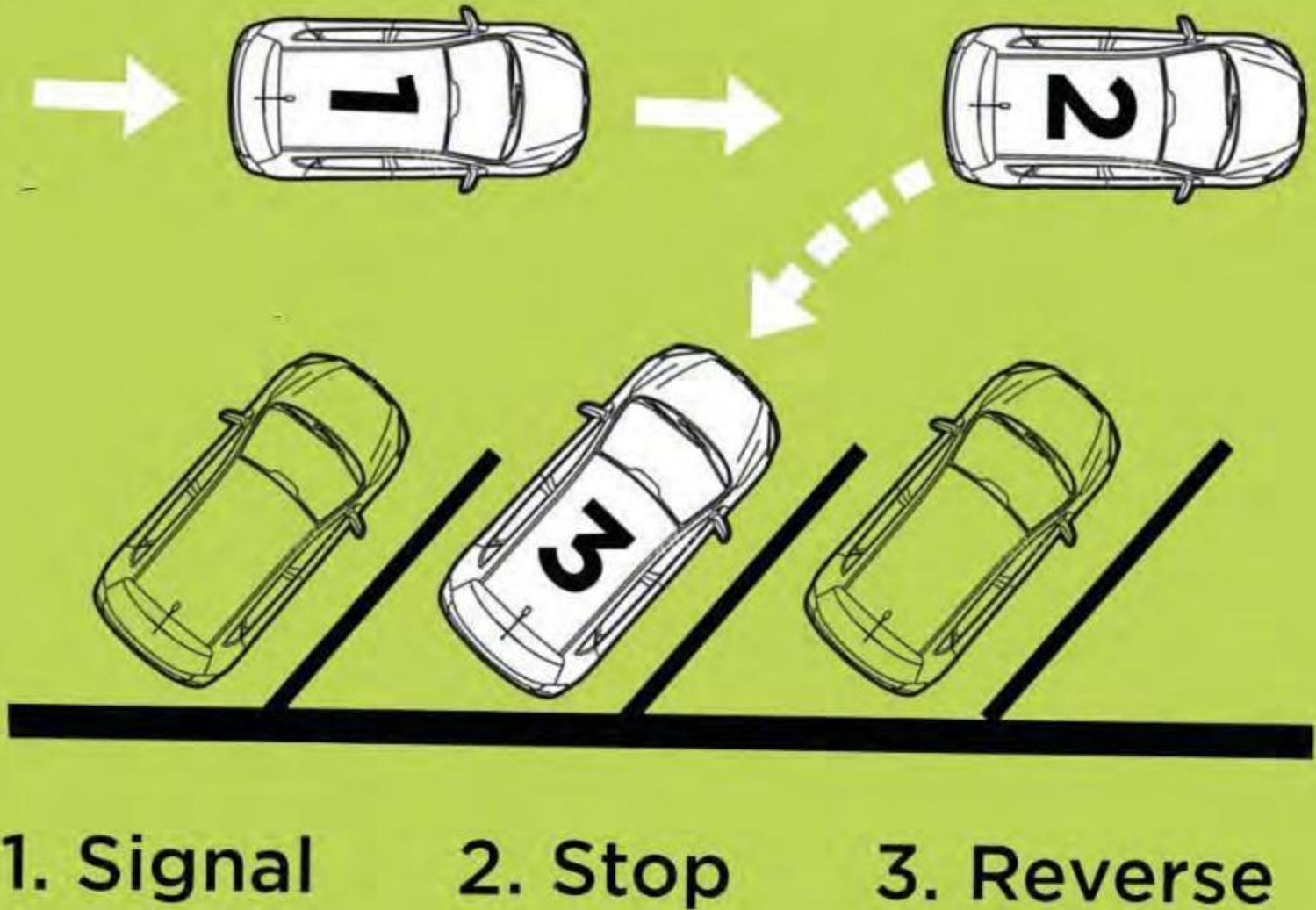
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DRAWN BY: RSW
CHECKED BY: ---
DATE ISSUED: 2022/03/04

ROAD DIET 2 OF 6

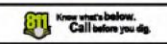
PROPOSED SAFETY IMPROVEMENTS

SEE PREVIOUS SHEET

NOTE
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SEE NEXT SHEET



VILLAGE OF EDGERTON
 PEDESTRIAN SAFETY
 OHIO DEPARTMENT OF
 TRANSPORTATION

CONCEPTUAL

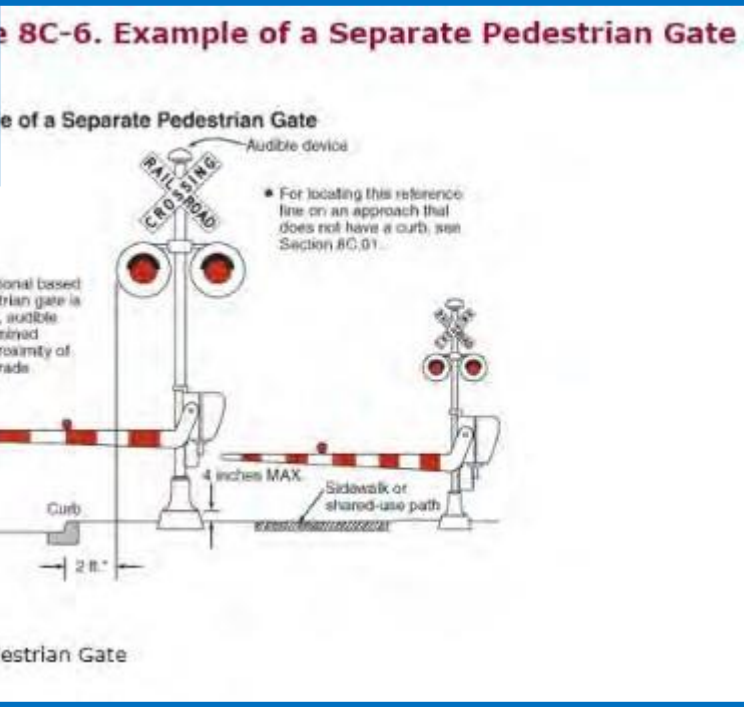
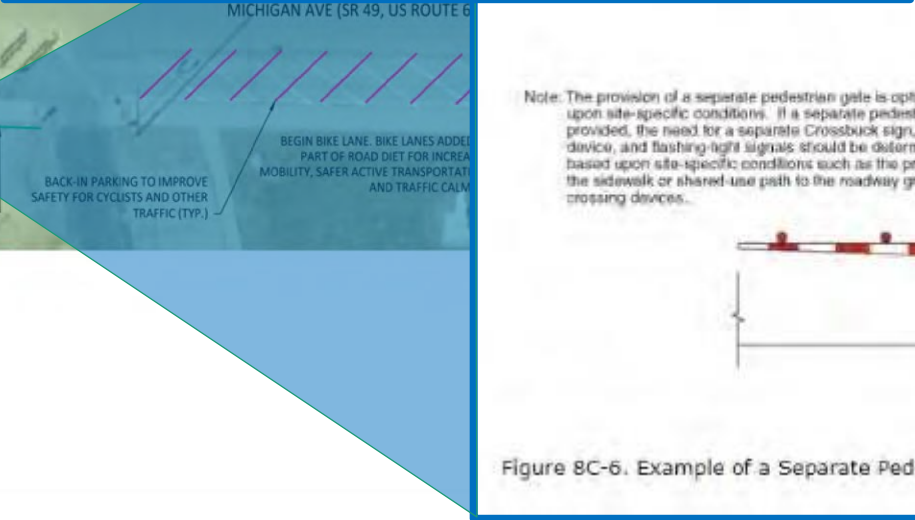
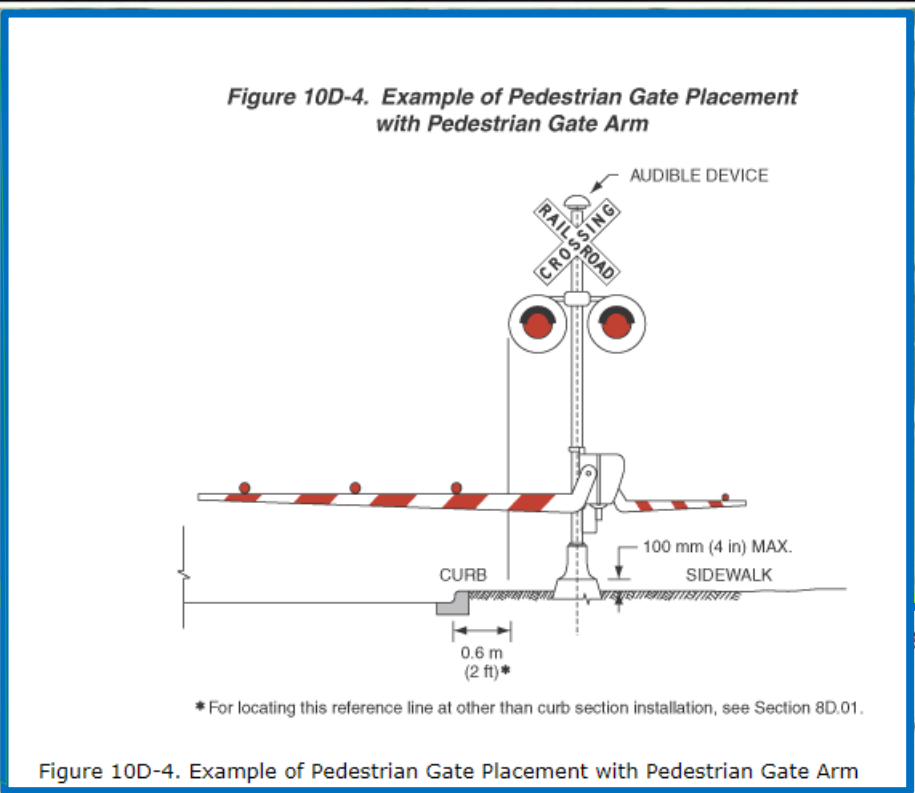
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ROAD DIET 2 OF 6

PROPOSED SAFETY IMPROVEMENTS



NOTES:
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VILLAGE OF EDGERTON
 PEDESTRIAN SAFETY
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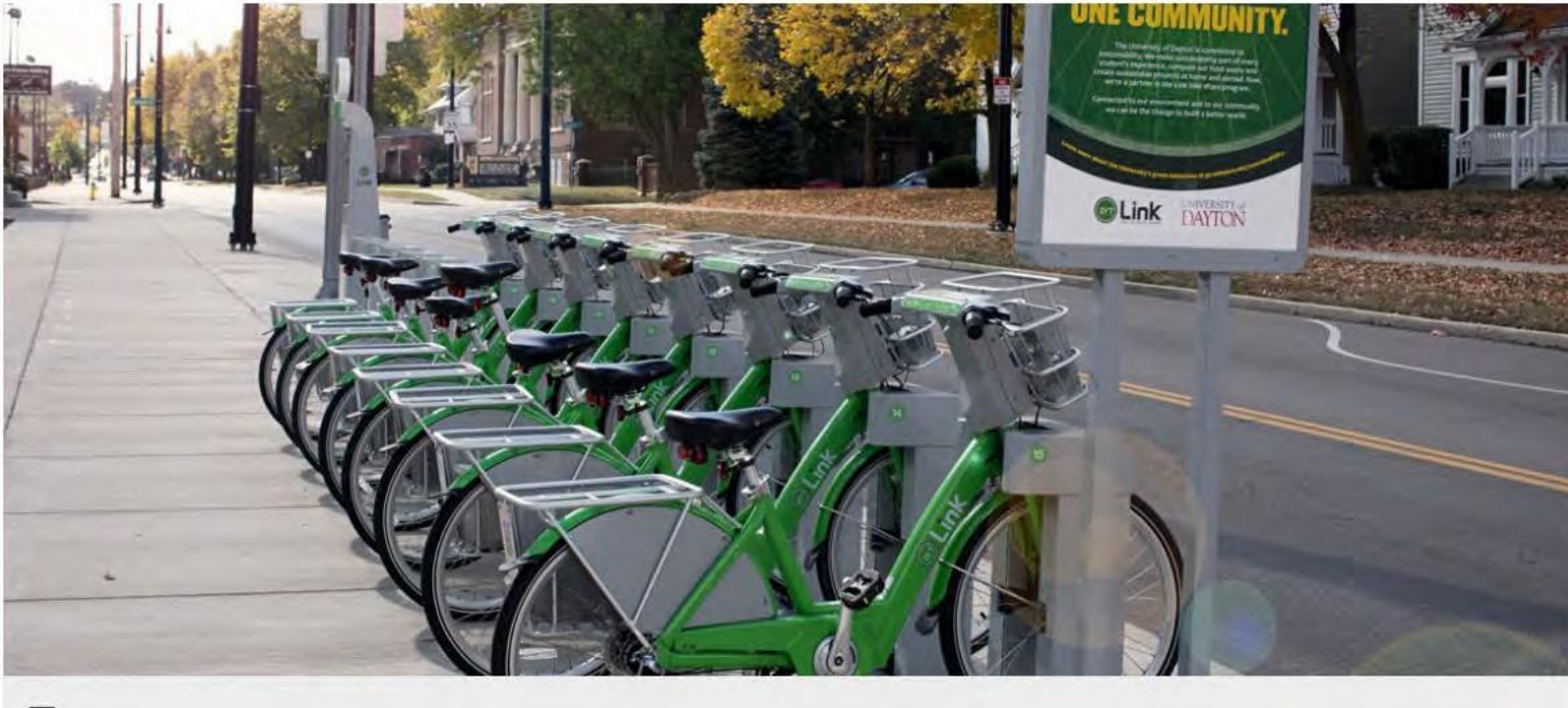
PROJECT NO.: 21-00314-010
 DRAWN BY: RSW
 CHECKED BY: ---
 DATE ISSUED: 2022/03/04

CONCEPTUAL PLAN
 NORTH



PROPOSED SAFETY IMPROVEMENTS

Transportation Alternatives Program (TAP) & Guidance



Transportation Alternatives Program
2022-23 Guidance

[DOWNLOAD](#)

The first step in applying for Transportation Alternatives Program (TAP) funding is filling out the Letter of Interest online form:

[2022-23 TAP Letter of Interest](#)



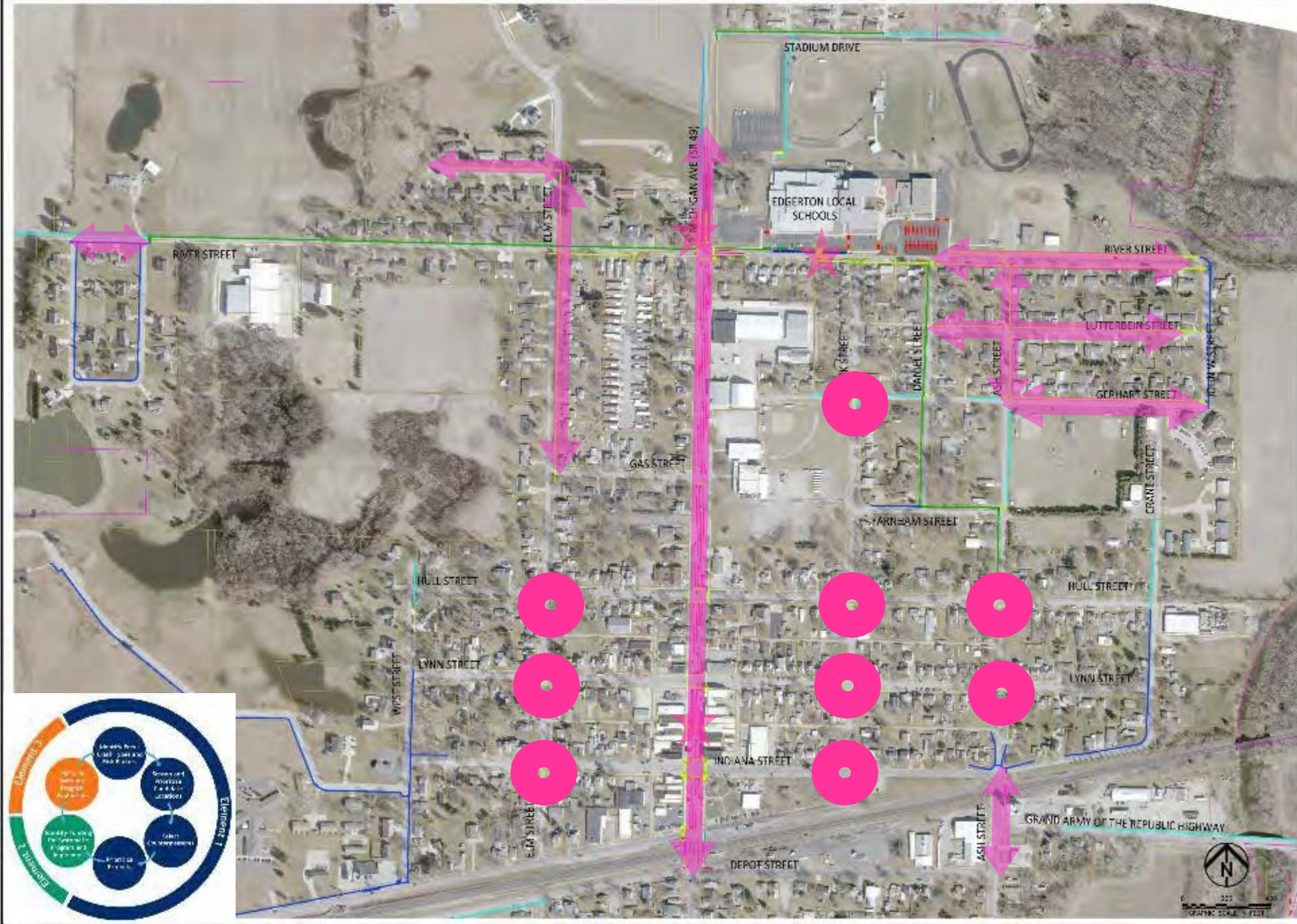
VILLAGE OF EDGERTON
 PEDESTRIAN SAFETY
 OHIO DEPARTMENT OF
 TRANSPORTATION

CONCEPTUAL

DATE	
BY	
APP'D	
DATE	
SCALE	
PROJECT NO.	
DATE	

CONCEPTUAL PLAN
 NORTH

COMBINED SAFETY IMPROVEMENTS



VILLAGE OF EDGERTON
PEDESTRIAN SAFETY
OHIO DEPARTMENT OF
TRANSPORTATION

CONCEPTUAL

DATE: _____

REVISIONS:

NO.	DATE	DESCRIPTION

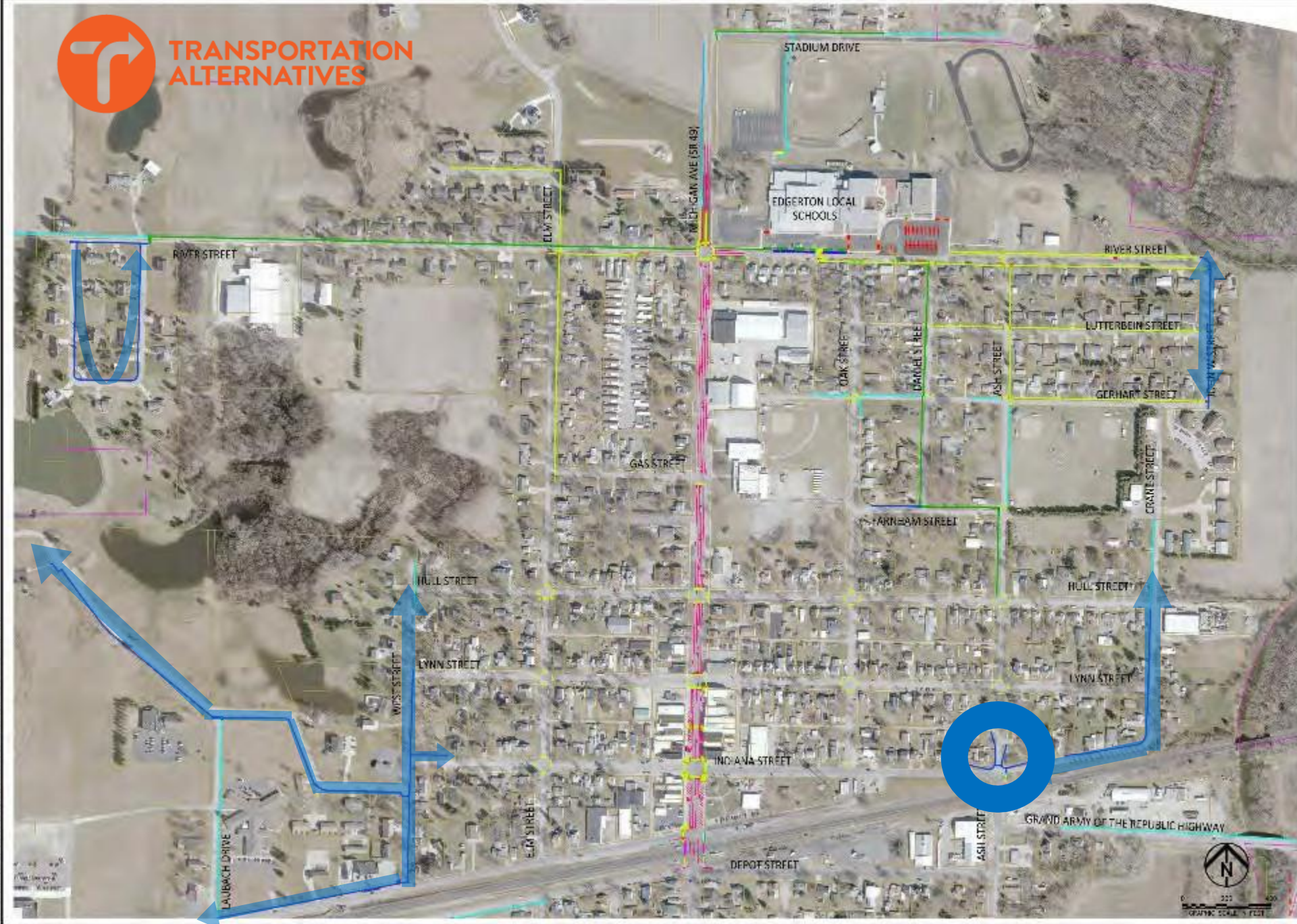
PROJECT NO.:	17-0017-010
DRAWN BY:	EPK
CHECKED BY:	
DATE ISSUED:	2022-09-04

CONCEPTUAL PLAN NORTH

COMBINED SAFETY IMPROVEMENTS



TRANSPORTATION ALTERNATIVES



VILLAGE OF EDGERTON PEDESTRIAN SAFETY OHIO DEPARTMENT OF TRANSPORTATION

CONCEPTUAL

DATE: _____

REVISIONS:

NO.	DATE	DESCRIPTION

PROJECT NO.:	17-0017-010
DRAWN BY:	EPD
CHECKED BY:	
DATE ISSUED:	2022/09/04

CONCEPTUAL PLAN NORTH

COMBINED SAFETY IMPROVEMENTS



FUNDING REQUEST LEGEND:

PEDESTRIAN SAFETY IMPROVEMENTS VIA HSIP SYSTEMIC SAFETY FUNDING

CONNECTIVITY IMPROVEMENTS VIA SAFE ROUTES TO SCHOOL FUNDING

ACTIVE TRANSPORTATION FACILITIES AND IMPROVEMENTS VIA TAP FUNDING



VILLAGE OF EDGERTON
PEDESTRIAN SAFETY
OHIO DEPARTMENT OF
TRANSPORTATION

CONCEPTUAL

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REVISIONS	DATE	BY
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PROJECT NO.: 21-02174-010
DRAWN BY: BVA
CHECKED BY:
DATE ISSUED: 2022-03-04

CONCEPTUAL PLAN
SOUTH

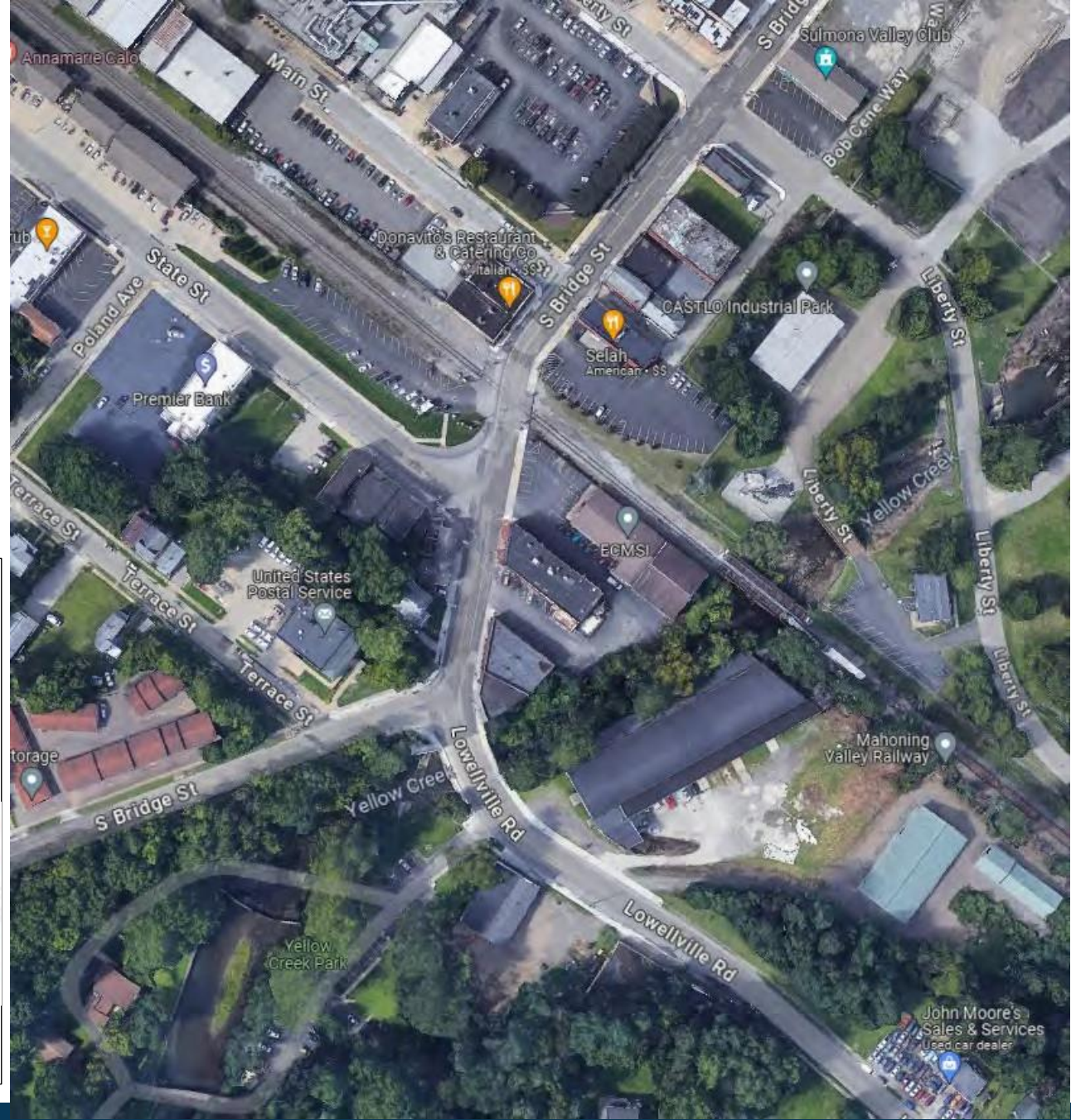
COMBINED SAFETY IMPROVEMENTS

	Safe Routes to School	HSIP Systemic Application	Transportation Alternatives Program	School District	Village Phase 2
Sidewalk (linear feet)	6,530	8,016	11,372		13,970
Pedestrian Hybrid Beacons (each)		1			
Rectangular Rapid Flashing Beacons (each)		2			
Comprehensive Road Diet (linear feet)		3275			
Raised Crosswalk Locations (each)	4				
Railroad Crossings Improved (each)		2			
Improved Intersections (crosswalks, curb ramps, curb return radii, sight distances improved, etc.) (each)	12	33	7		
Bike Rack (each)	1				
School Speed Limit Sign Assembly (each)	1				
Sharrows (each)			22		
Parking lot and Pavement Markings (whole)				1	
Project Cost	\$499,307.00	\$1,917,065.00	\$875,956.00	\$161,487.00	\$995,987.00
Ask	100%	90%	100%	0%	0%





★ District office location

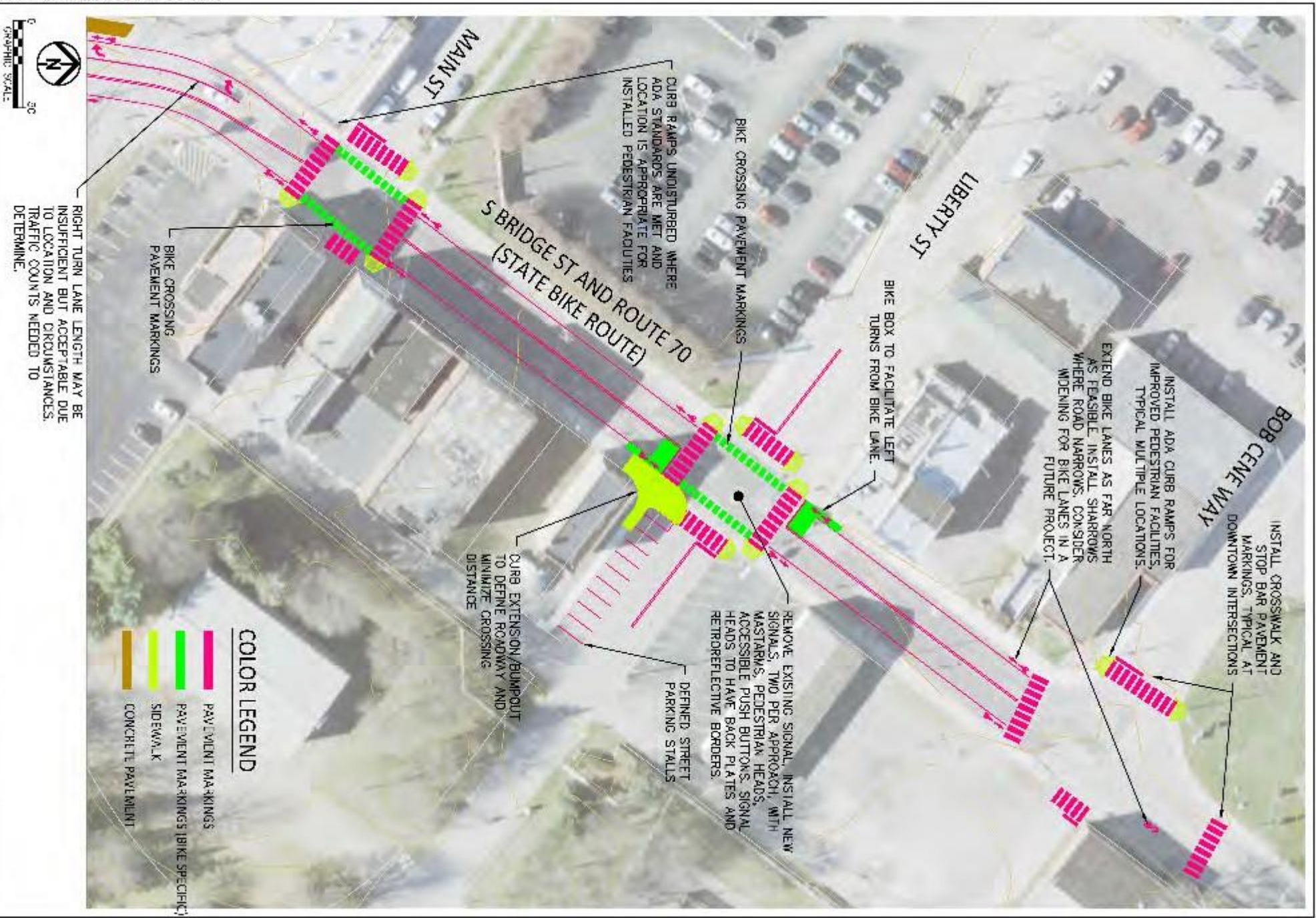








STREET SAFETY IMPROVEMENTS



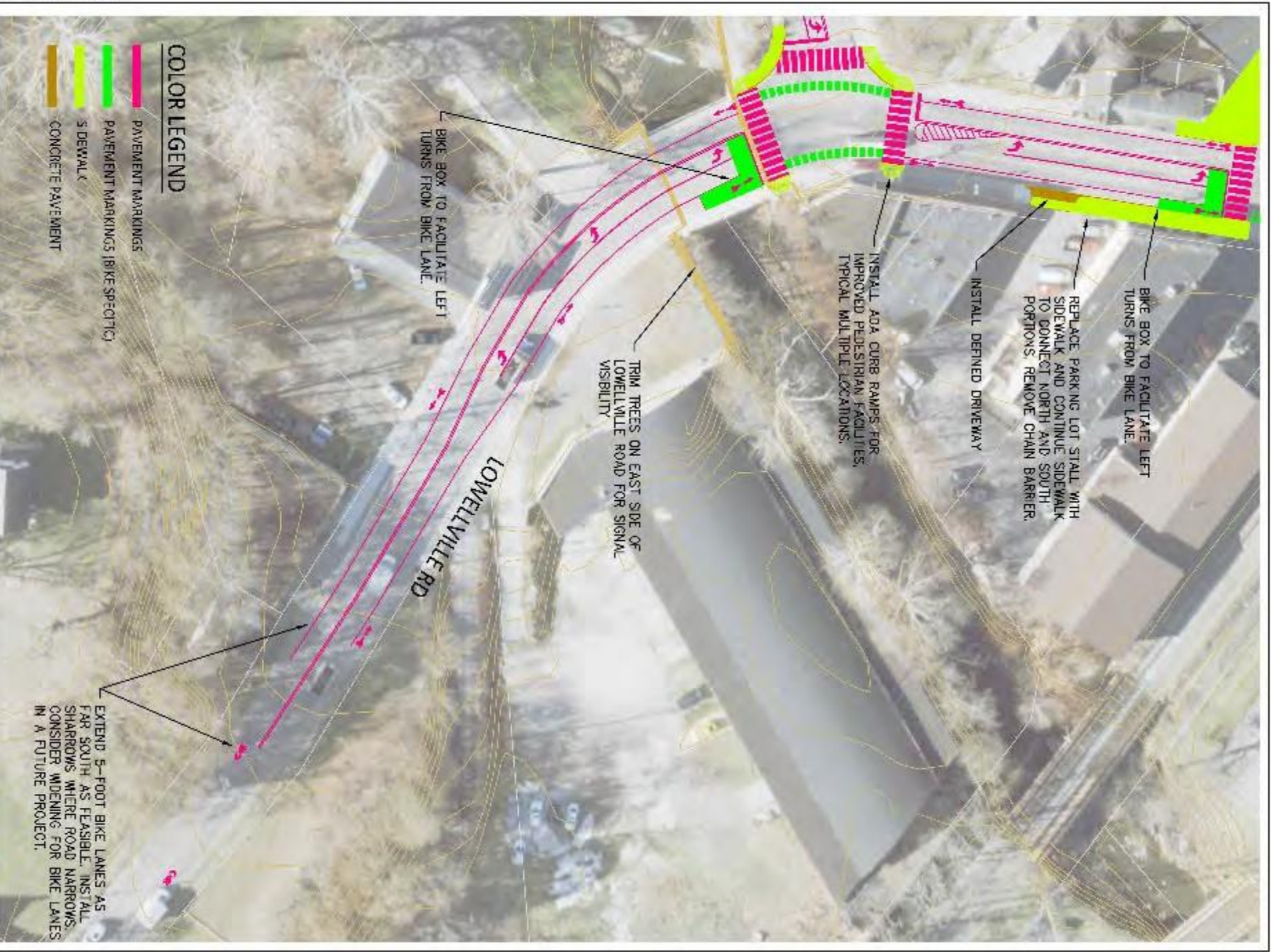
BRIDGE AND STATE STREETS SAFETY STUDY CITY OF STRUTHERS

PROPOSED
CONCEPTUAL PLAN (1 OF 3)



ARRON / CLEVELAND / COLUMBUS
 4100 DEAN ST., APT. 511
 CLEVELAND, OH 44114
 W. 216.262.4000

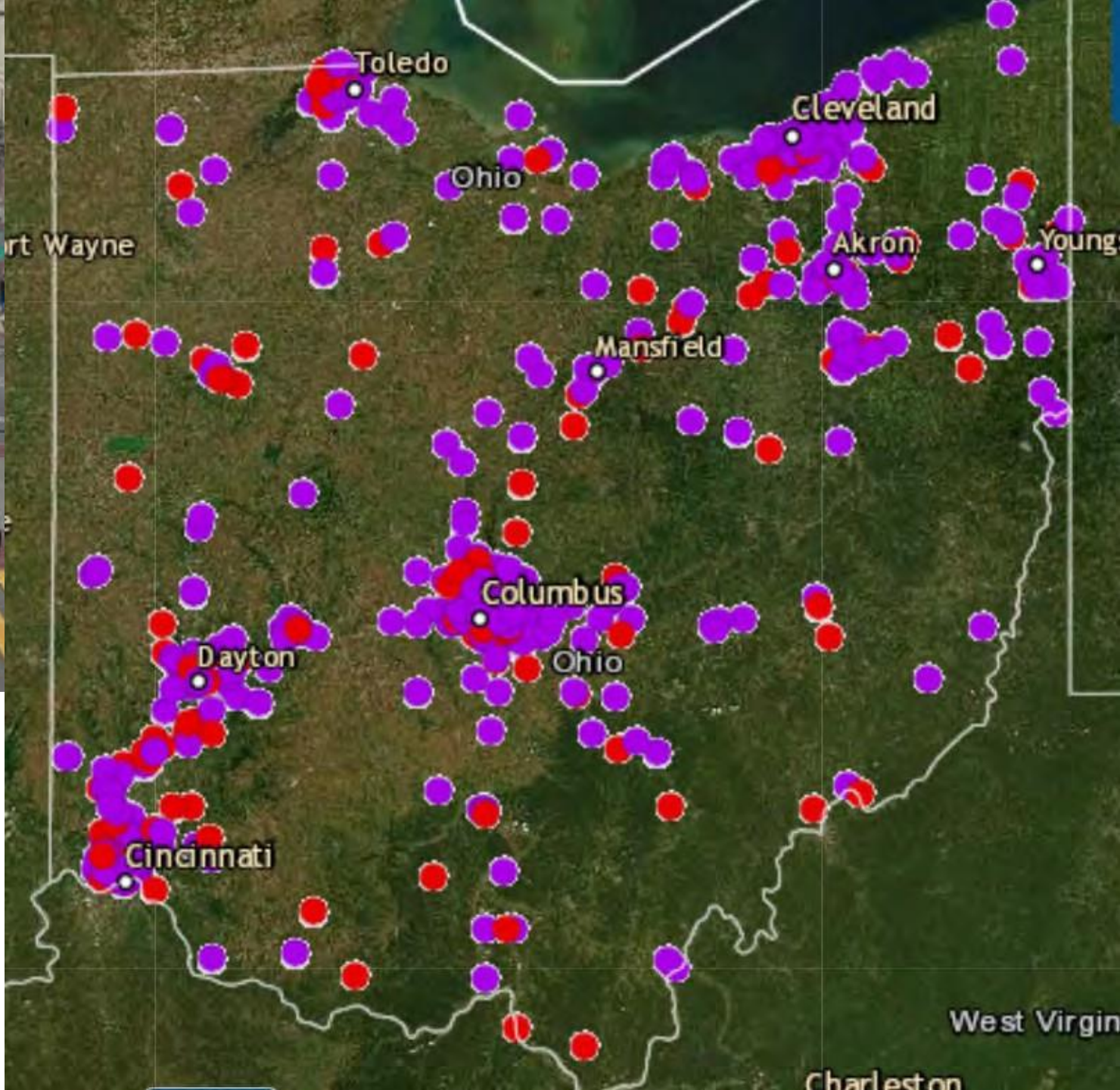
STRUTHERS SAFETY IMPROVEMENTS





2021

698 Pedestrian Crashes
with Severe or Fatal Results





Reneé Whittenberger, PE, RSP1
Safety Engineer, Project Manager

rwhittenberger@envdesigngroup.com

Thank you!

