

# WELCOME!

## Old McHenry Crossings Phase I Engineering Study

Stakeholder Involvement Group Meeting #4

August 17, 2023

# Meeting Agenda

- ✓ Introductions
- ✓ SIG #3 Recap and Project Progress
- ✓ Public Involvement & Stakeholder Coordination
- ✓ Environmental Studies Update
- ✓ Preliminary Preferred Alternative Breakout Session
- ✓ Aesthetic Opportunities Presentation (3:00pm)
- ✓ Next Steps & Schedule



## OLD MCHENRY CROSSINGS

Fairfield • Midlothian • CN RR • Quentin





# Project Progress Since SIG #3

# Project Progress Since SIG #3

- Preliminary Preferred Alternatives Selected
  - Level I -> Level II -> Preliminary Preferred Alternatives
- Grade Separation Alternative Selected
- Completed environmental surveys and inventories

## PHASE 1 STUDY PROCESS



## OLD MCHENRY CROSSINGS

Fairfield • Midlothian • CN RR • Quentin



# Public Involvement & Stakeholder Coordination





# Public Involvement & Stakeholder Coordination

## Stakeholder Coordination

- ✓ Village of Lake Zurich
- ✓ Village of Hawthorn Woods
- ✓ Elia Township
- ✓ Forest Lake Community Association
- ✓ CN Railway
- ✓ Utilities – ComEd, Nicor, Aqua Illinois & AT&T
- ✓ IDOT District 1 Programming
- ✓ Lake County Stormwater Management Commission
- ✓ St. Matthew Lutheran Church & Hawthorn Garden Center
- ✓ Forward Stride Stables
- ✓ Lake Zurich Rural Fire Protection District
- ✓ Quentin Road Baptist Church
- ✓ Various Homeowners/Landowners
- ✓ Permitting Agencies



## Public Involvement

- ✓ Virtual Public Forum
- ✓ SIG Meeting 1 (11/18/21)
- ✓ SIG Meeting 2 (02/17/22)
- ✓ SIG Meeting 3.1 (9/1/22) – Level 1 Alternatives (Old McHenry Road)
- ✓ SIG Meeting 3.2 (9/8/22) – Level 1 Alternatives (Quentin Road)
- ✓ Public Information Meeting (9/28/2022) – Level 1 Alternatives & Alts Carried Forward
- ✓ **SIG Meeting 4 – (8/17/23)**
- ✓ **Final Public Information Meeting – (Early 2024)**

<https://omxproject.com/>

## OLD MCHENRY CROSSINGS

Fairfield • Midlothian • CN RR • Quentin



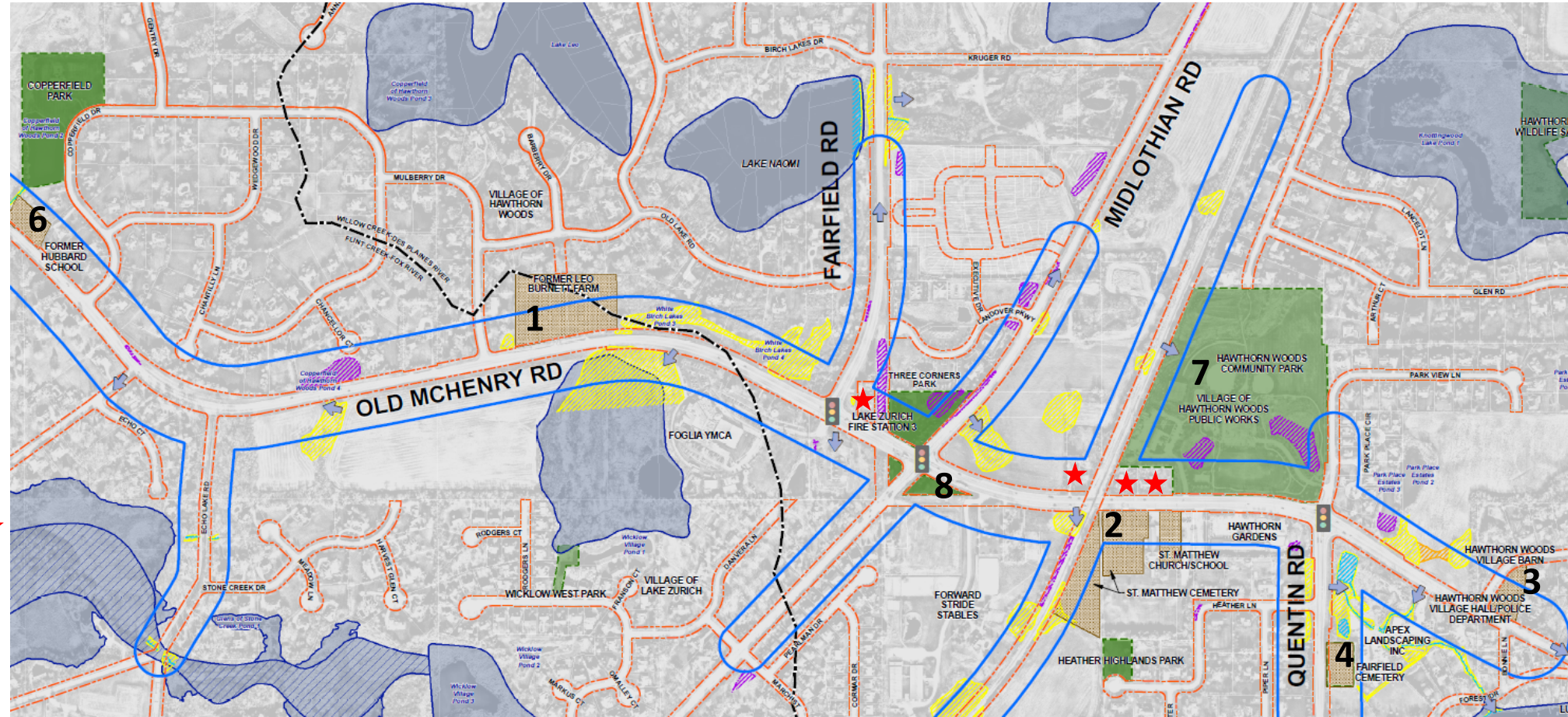
# Environmental Studies





# Key Environmental and Community Resources Old McHenry Road Corridor

- Historic/Cultural Resources
  - 1) Former Leo Burnett Farm
  - 2) St. Matthew Church/School/Cemetery
  - 3) Hawthorn Woods Village Barn
  - 4) Fairfield Cemetery
  - 5) Gambrel Barn (not shown on map)
  - 6) Former Hubbard School
  - Archeological Surveys (cleared)
- Section 4(f) Public Lands/Resources
  - 7) Community Park
    - Proposed Acquisition (0.67 ac ROW)
    - OSLAD Grant Amortized out on January 7, 2023
  - 8) Three Corners Park
    - Proposed Acquisition (0.79 ac ROW)
- Environmental Justice
  - No low-income or minority populations
  - 4 Residential Displacements Anticipated ★
    - Outreach to individual property owners is ongoing
- Wetlands
  - 4.35 AC Wetland Impacts (Total Project)
    - Des Plaines River Watershed: 3.88 ac
    - Fox River Watershed: 0.47 ac
  - 2.40 AC USACE Jurisdictional
  - No High-Quality Wetlands Identified
    - No EPFO
  - Wetland Mitigation Planned (~6.0 ac)
    - Buffalo Creek
    - Big Sag



## Legend

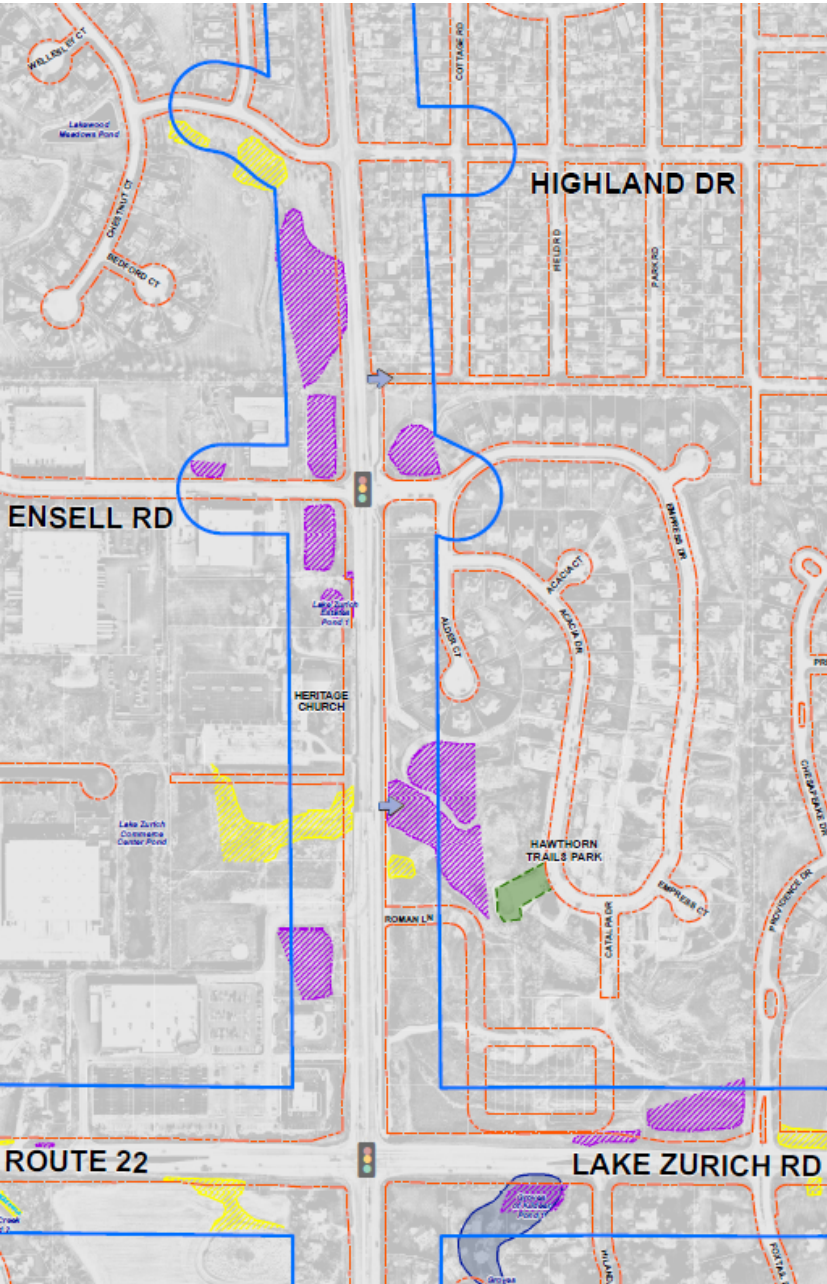
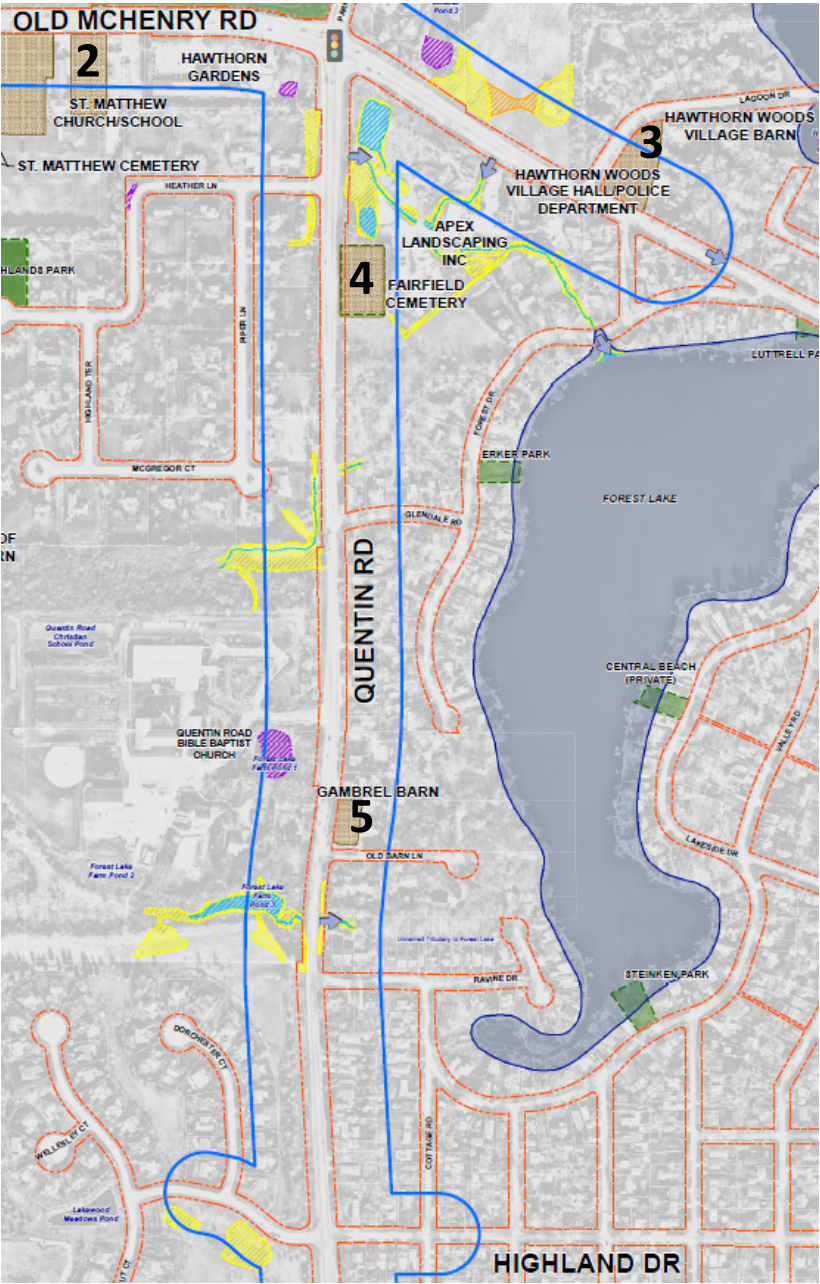


- |                                |                             |
|--------------------------------|-----------------------------|
| STUDY BOUNDARY                 | WATERSHED BOUNDARY          |
| WETLAND                        | PARK                        |
| SURFACE WATER                  | POTENTIAL HISTORIC PROPERTY |
| CONSTRUCTED STORMWATER FEATURE | EXISTING RIGHT-OF-WAY       |
| 100-YEAR FLOODPLAIN            | PARCEL BOUNDARY             |
| FLOODWAY                       |                             |
| DRAINAGE OUTFLOW               |                             |



- Historic/Cultural Resources
  - 2) St. Matthew Church/School/Cemetery
  - 3) Hawthorn Woods Village Barn
  - 4) Fairfield Cemetery
  - 5) Gambrel Barn
  - Original Archeological Surveys (cleared)
  - Addendum Archeological Surveys (in progress)
- Water Quality
  - Forest Lake (Impaired Waters)
  - Water Quality Modeling Initiated using SELDEM
- Other
  - Traffic Noise Analysis
    - No Noise Mitigation Warranted within Project Limits
  - Special Waste Analysis (In Progress)
- Next Steps
  - Biological Review Initiated (IDOT Performing)
  - Wetland Impact Review Initiated (IDOT Performing)
  - Cultural Resource Impact Analysis (Ongoing)

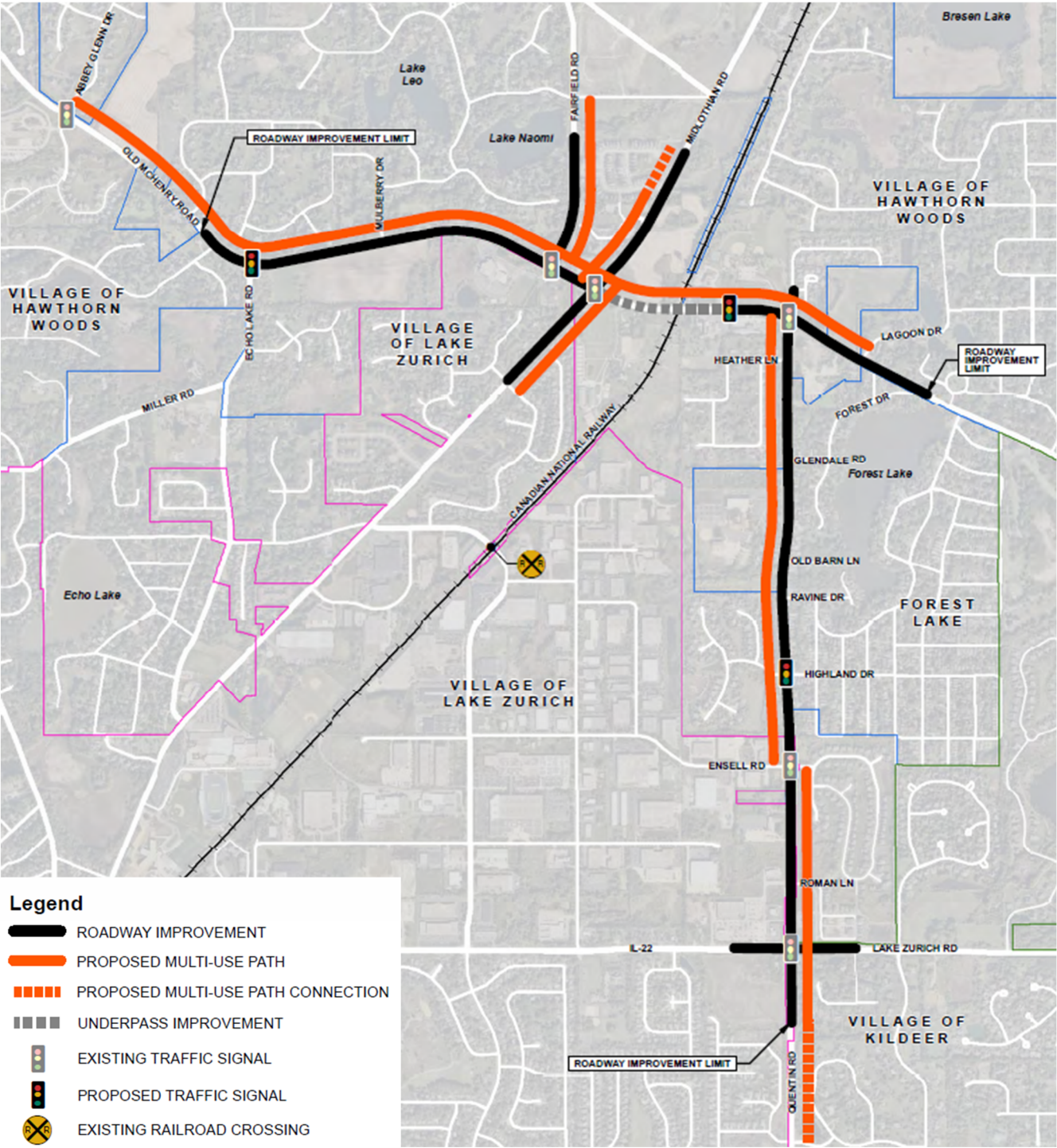
## Key Environmental and Community Resources – Quentin Road Corridor



# Preliminary Preferred Alternatives (Level II)



# Overall Proposed Project Improvement Limits





# Grade Separation Alternatives Development

## Overpass/Underpass Selection:

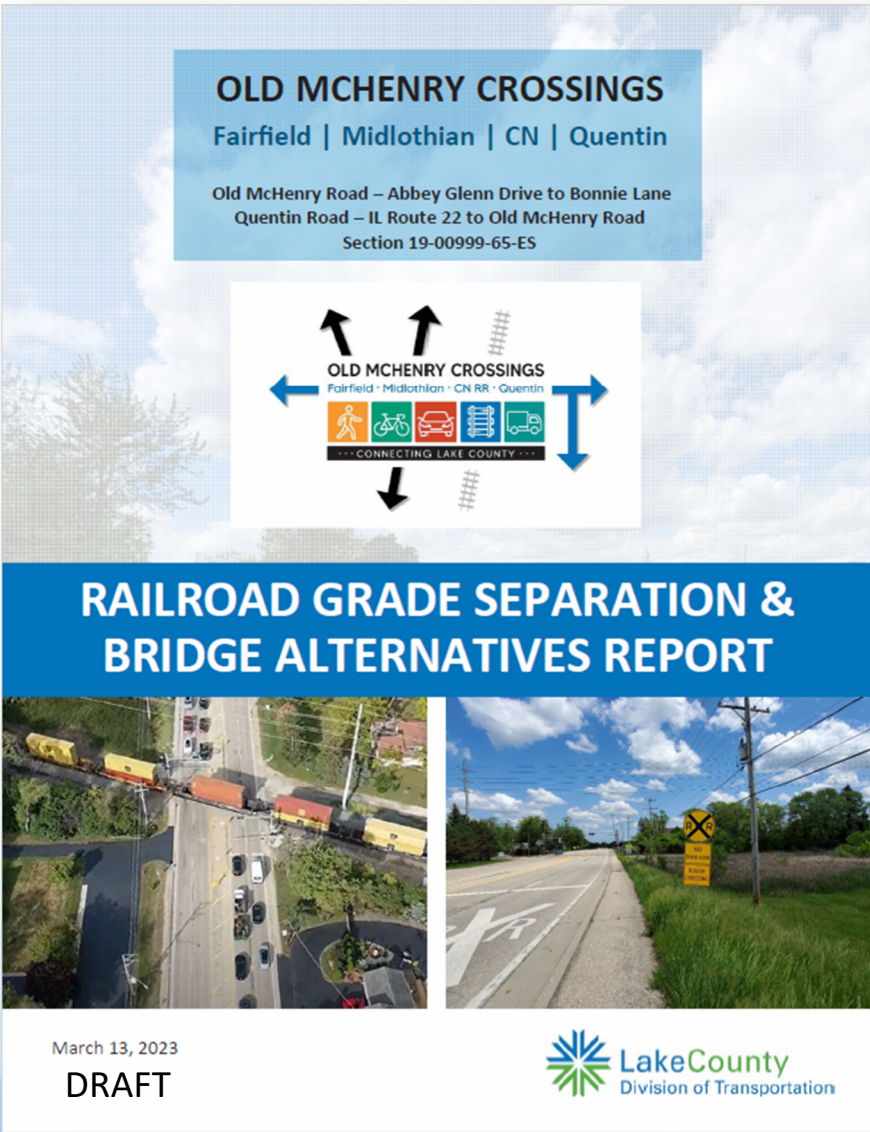
An at-grade alternative didn't address the project purpose & need.  
Therefore, grade separation alternatives were analyzed, and one improvement type was selected.

## Four Alternatives Considered

- 1. Raise Old McHenry Road over CN Railroad
- 2. Lower Old McHenry Road under the CN Railroad
- 3. Raise the CN Railroad over Old McHenry Road
- 4. Lower the CN Railroad under Old McHenry Road



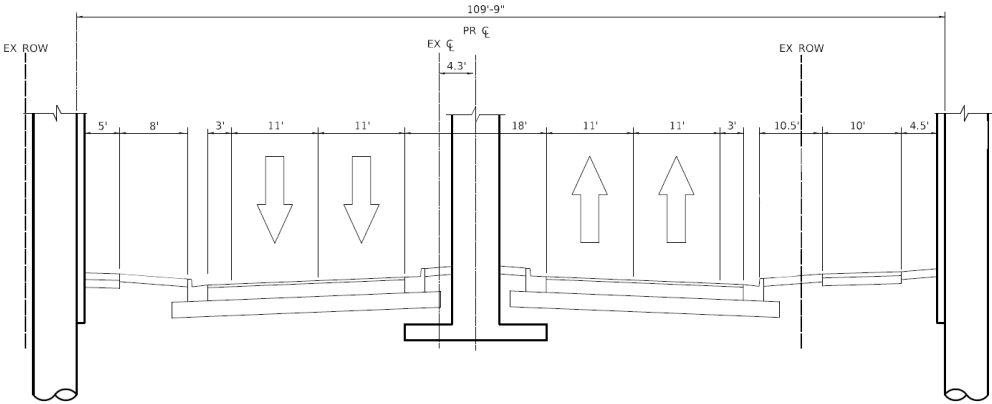
Under Review by the CN Railroad



# Grade Separation Alternatives

## Preliminary Preferred Alternative (B1.3):

- 2-Span Bridge
- 11’ Lanes with Curb & Gutter
- 10’ Multi-Use Path
- Sidewalk
- Bike Friendly Shoulder



Evaluation Criteria	Unit of Measure	Range of Build Alternatives					
		Underpass Bridge Alternatives					
		B1.1	B1.2	B1.3	B1.4	B2	B3
Geometric Attributes							
Number of Lanes		4	4	4	4	4	4
Lane Width	feet	11	11	11	12	12	12
Centerline Shift	feet	9	3' North	1.5' South	1.5' South	1.5	13.5
Impacts ComEd Tower		No <sup>1</sup>	No <sup>1</sup>	No <sup>1</sup>	No <sup>1</sup>	No <sup>1</sup>	Yes
Sidewalk (Proposed/Future)		Yes / Yes	Yes / Yes (north)	Yes / No	No / No	Yes / Yes	Yes / Yes
Multi-Use Path (MUP) Width (Proposed/Future)	feet	8/No	10/No	10/8	10/8	10	10
Bike Friendly Shoulder (Proposed/Future)		No/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes / No	Yes/Yes
Median Width	feet	18	18	18	18	6	18
Face-to-Face Abutments	feet	102.50	102.50	102.50	102.50	102.50	126.50
Bridge Span Lengths (South/North)	feet	60.8' / 53.7'	55.4' / 59.2'	50.2' / 63.8'	50.2' / 63.8'	1 - 108.50'	2 - 67.75'
Bridge Superstructure Depth	feet	6.81	6.81	6.81	6.81	9.67	6.98
Future 6 Lane Concessions		No MUP in roadway underpass	No MUP in roadway underpass	10.5' median width, 8' MUP, no SW	10.5' median width, 11' lanes, 8' MUP, no SW	No bike friendly shoulders, 11' Lanes	None
Environmental Resource Impacts <sup>5</sup>							
Wetland Impacts	acres	0.03				0.03	0.04
Stormwater Facility Impacts	acres	0				0	0
Surface Waters Impacts	acres	0				0	0
Floodway Impacts	acres	0				0	0
Floodplain Impacts	acres	0				0	0
Park Impacts (Section 4f)	acres	0.26				0.50	0.48
Historic Property Impacts	acres	0				0	0
Historic Structure Impacts	each	0				0	0
Cemetery Impacts	acres	0				0	0
Tree Impacts	each	47				82	114
Socio-Economic Impacts <sup>5</sup>							
Residential Building Impacts	each	3				3	3
Commercial Building Impacts	each	0				0	0
Total Property Acquisition	acres	0.72				1.09	1.49
Parcels Affected	each	13				13	13
Access Changes	each	9				9	9
Relative Construction Cost Comparison <sup>6</sup>							
Roadway		\$5,100,000				\$5,700,000	\$5,600,000
Bridge		\$5,400,000				\$4,900,000	\$5,700,000
Retaining Walls		\$9,800,000				\$12,700,000	\$9,800,000
ComEd Transmission Tower Relocation		\$0				\$0	\$8,000,000
Total Cost		\$20,300,000				\$23,300,000	\$29,100,000

OLD MCHENRY CROSSINGS  
Fairfield • Midlothian • CN RR • Quentin





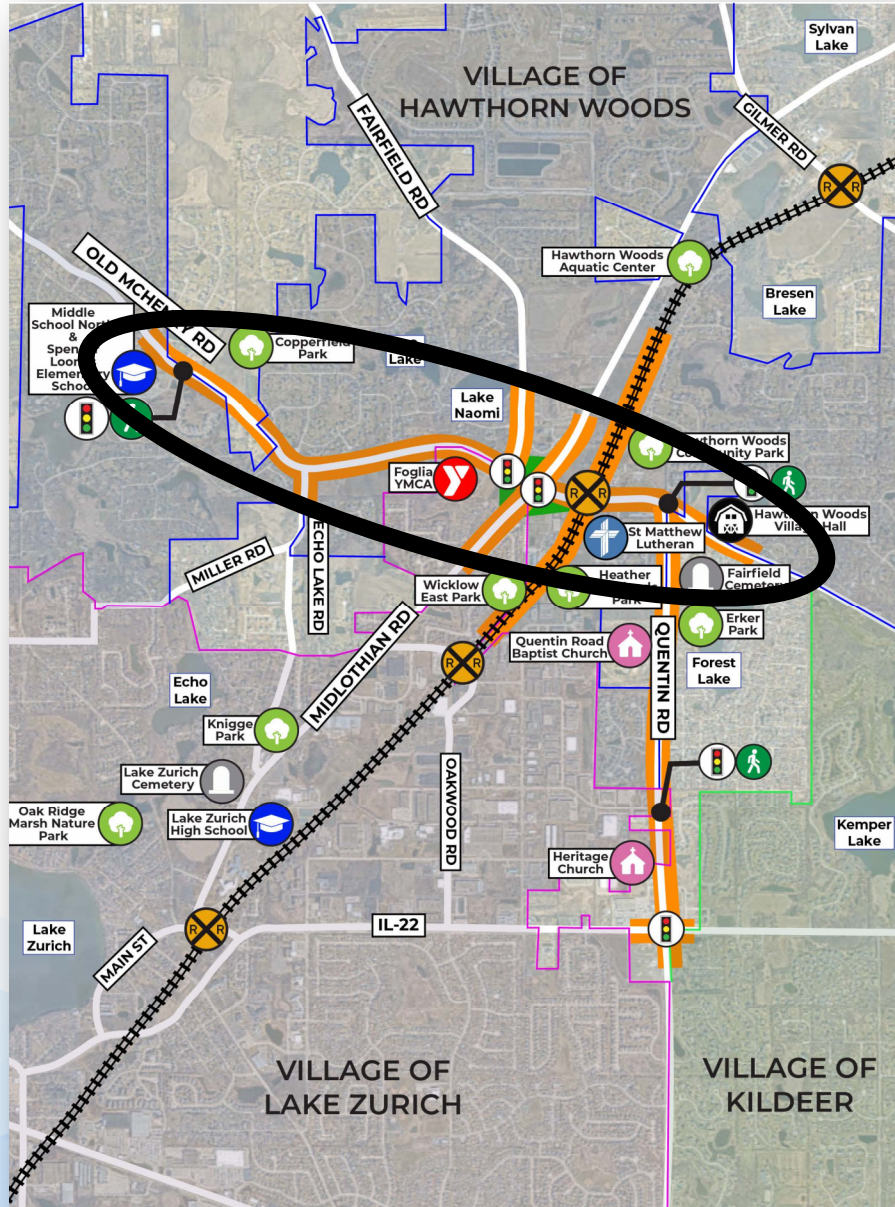
# Old McHenry Road Alternatives Development

## Level I Recommended Alternatives

- O1 – 5 lanes on Old McHenry Road (OMR) with intersection improvements
- O2 – 7 lanes on Old McHenry Road (OMR) with intersection improvements

## Level II Finalist Alternative & Recommended Preliminary Preferred Alternative

- O1J – 5 lanes on Old McHenry Road (OMR) with intersection improvements, 3 EBT lanes at Fairfield & Midlothian, 3 WBT lanes at Midlothian, 2 WBT & 2 WBR lanes at Fairfield.



## OLD MCHENRY CROSSINGS

Fairfield • Midlothian • CN RR • Quentin

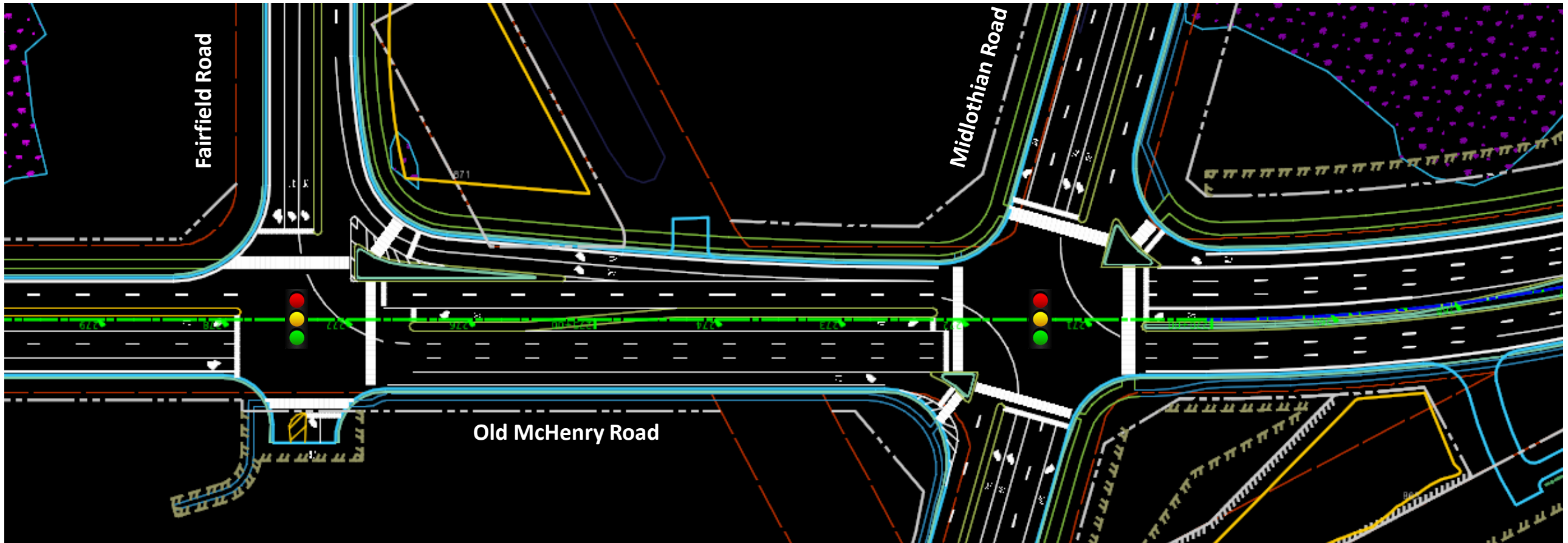




## Level II Finalist Alternative & Recommended Preliminary Preferred Alternative

01J – 5 lanes on Old McHenry Road (OMR) with intersection improvements, 3 EBT lanes at Fairfield & Midlothian, 3 WBT lanes at Midlothian, 2 WBT & 2 WBR lanes at Fairfield.

## Fairfield Road to Midlothian Road



# Old McHenry Road Level II Alternatives

Evaluation Criteria	Unit of Measure	Existing	2050 No Build	Range of Build Alternatives					
				O1			O2		
Transportation Performance									
Old McHenry Road Average Daily Traffic (ADT) - Abbey Glen to Fairfield	veh/day	13,500	16,400	16,400			16,600		
Old McHenry Road Average Daily Traffic (ADT) - Fairfield to Midlothian	veh/day	24,200	28,200	28,200			30,400		
Old McHenry Road Average Daily Traffic (ADT) - Midlothian to Quentin	veh/day	25,200	29,800	29,800			30,800		
Intersection Level of Service (LOS) and Average Delay		AM	PM	AM	PM	AM	PM	AM	PM
Old McHenry Road at Fairfield Road Intersection	LOS (sec/veh)	D (53.5)	B (15.9)	E (76.0)	B (19.5)	D (42.0)	B (18.6)	C (31.9)	B (18.1)
Max Volume-to-Capacity Ratio (v/c)		0.88	0.70	1.11	0.80	0.95	0.76	0.90	0.84
Old McHenry Road at Midlothian Road Intersection	LOS (sec/veh)	E (55.0)	D (40.8)	F (84.5)	E (75.3)	D (41.3)	D (39.9)	C (29.1)	C (35.0)
Max Volume-to-Capacity Ratio (v/c)		1.02	0.96	1.27	1.21	0.94	0.95	0.80	0.77
Old McHenry Road at Quentin Road Intersection	LOS (sec/veh)	B (18.1)	C (29.9)	C (24.0)	D (35.1)	C (24.1)	C (31.6)	C (23.4)	C (33.7)
Max Volume-to-Capacity Ratio (v/c)		0.65	0.84	0.82	0.87	0.77	0.85	0.80	0.84
Network Performance		AM	PM	AM	PM	AM	PM	AM	PM
Total Delay	sec/veh	212.7	104.4	320.7	209.1	96.5	124.3	87.4	88.8
	hours	250.4	130.5	419.4	303.9	132.5	184.4	125.4	135.5
Comparison to No Build	% change					-68%	-39%	-70%	-55%
Average Speed	mph	13	20	9	12	21	18	22	22
Safety (Illinois Highway Safety Design Manual)									
Emergency Response Times/Life & Safety (RR Grade Separation)	scale	+	+	++++			++++		
Total Conflict Points	each	128	128	169			169		
Average Predicted Crashes	crashes/year	28.7	35.1	33.8			24.1		
Fatal & Injury Predicted Crashes (Intersections)	crashes/year	8.6	10.7	10.3			9.4		
Fatal & Injury Crash Reduction from No Build (Intersections)	% change	-	-	-4.0%			-12.5%		
Mobility & Accessibility									
Total Travel Time (Fairfield/Kruger to Quentin/OMR Intersection) <sup>3</sup>	minutes	9.7	3.9	14.2	6.1	3.0	2.8	2.7	2.6
Comparison to No Build						-79%	-54%	-81%	-57%
Level of Access for properties along OMR (Midlothian to Quentin)	scale	+++++	+++++	++			+		
Non-Motorized Accommodations									
Non-Motorized Accommodations	Yes/No	No	No	Yes			Yes		
Environmental Resource Impacts									
Wetland Impacts	acres	-	0.0	0.14			0.18		
Stormwater Facility Impacts	acres	-	0.0	0.20			0.21		
Surface Waters Impacts	acres	-	0.0	0.00			0.00		
Floodway Impacts	acres	-	0.0	0.00			0.00		
Floodplain Impacts	acres	-	0.0	0.00			0.00		
Park Impacts (Section 4f)	acres	-	0.0	0.26			0.61		
OSLAD Recreational Property Impacts	acres	-	0.0	0.00			0.12		
Historic Property Impacts	acres	-	0.0	0.01			0.13		
Historic Structure Impacts	each	-	0.0	0			0		
Cemetery Impacts	acres	-	0.0	0.00			0.00		
Tree Impacts	each	-	0.0	40			156		
Socio-Economic Impacts									
Residential Building Impacts	each	-	0.0	4			5		
Commercial Building Impacts	each	-	0.0	0			0		
Total Property Acquisition	acres	-	0.0	1.5			2.6		
Parcels Affected	each	-	0.0	30			36		
Access Changes	each	-	0.0	11			14		
Cost									
Cost	scale	-	-	\$			\$		

## OLD MCHENRY CROSSINGS

Fairfield • Midlothian • CN RR • Quentin



# Quentin Road Alternatives Development

## Level I Recommended Alternatives

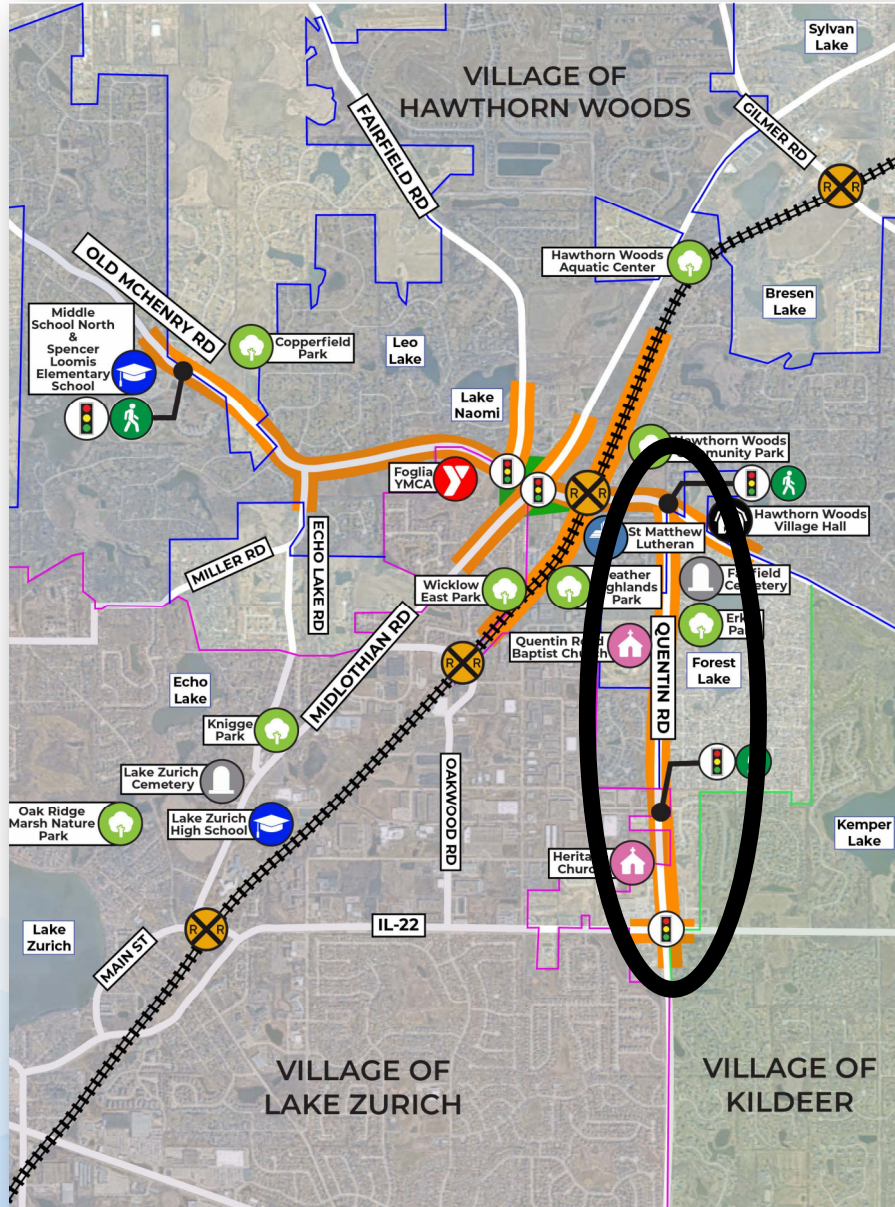
- Q1B – 5 lanes to Ensell, 3 lanes from Ensell to Old McHenry Rd. Intersection
- Q2B – 5 lanes to Highland, 3 lanes from Highland to Old McHenry Rd. Intersection



**Asymmetrical: widening more to the west side**

## Level II Finalist Alternative & Recommended Preliminary Preferred Alternative

- Q1.5B – 5 lanes to Ensell NB, 3 lanes from Ensell to Old McHenry Rd. Intersection  
– 5 lanes to Highland SB, 3 lanes from Highland to Old McHenry Rd. Intersection



## OLD MCHENRY CROSSINGS

Fairfield • Midlothian • CN RR • Quentin





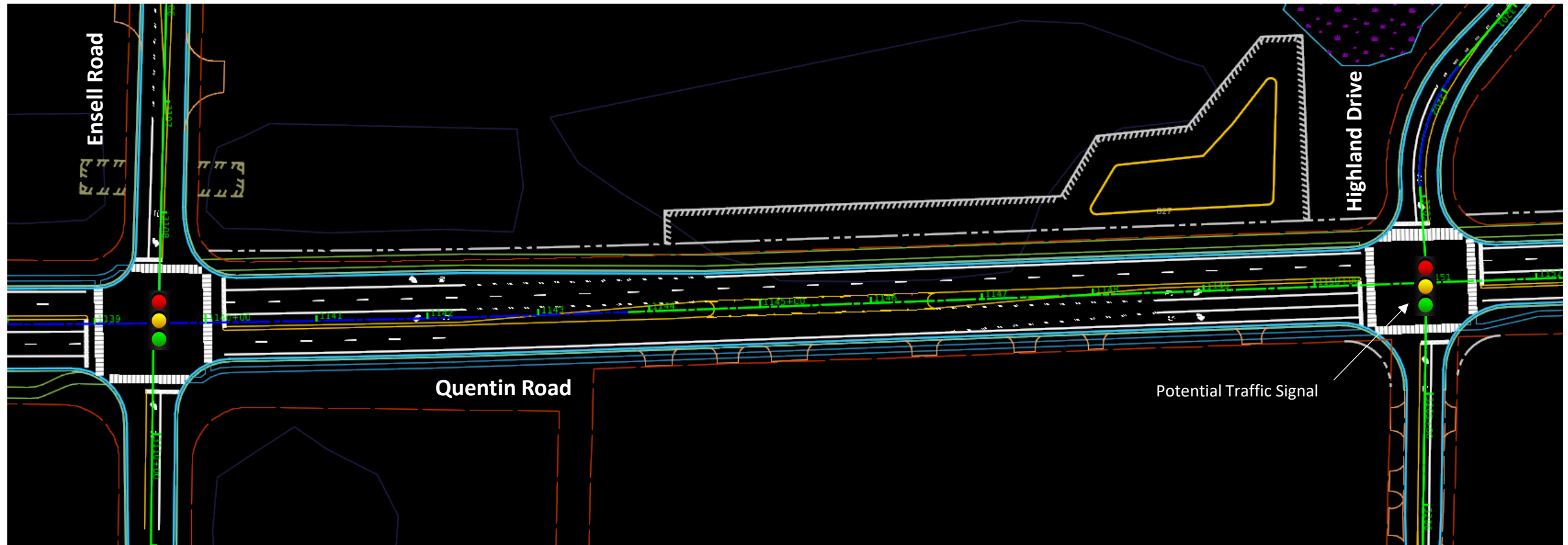
# Quentin Road Alternatives Development

## Level II Finalist Alternative & Recommended Preliminary Preferred Alternative

- Q1.5B – 5 lanes to Ensell Northbound, 3 lanes from Ensell to Old McHenry Rd. Intersection
  - 5 lanes to Highland Southbound, 3 lanes from Highland to Old McHenry Rd. Intersection



### Ensell Road to Highland Drive





# Quentin Road Level II Alternatives

Evaluation Criteria	Unit of Measure	Existing	2050 No Build	Range of Build Alternatives							
				Q1B		Q1.5B		Q2B			
Transportation Performance											
Quentin Road Average Daily Traffic (ADT) - North of Ensell	veh/day	14,500	17,500	18,200		18,200		18,600			
Quentin Road Average Daily Traffic (ADT) - South of Ensell	veh/day	18,500	22,700	23,800		23,800		24,200			
Intersection Level of Service (LOS) and Average Delay		AM	PM	AM	PM	AM	PM	AM	PM		
Quentin Road at IL-22 Intersection	LOS (sec/veh)	E (57.8)	E (42.6)	E (71.6)	D (48.3)	D (45.8)	D (41.1)	D (44.5)	D (42.3)	D (45.0)	D (43.3)
Quentin Road at Ensell Road Intersection	LOS (sec/veh)	B (13.1)	B (12.7)	C (34.4)	C (21.3)	B (11.8)	B (12.8)	B (11.9)	B (10.4)	B (13.6)	B (11.1)
Quentin Road at Highland Drive Intersection	LOS (sec/veh)	B (11.9)	D (33.2)	F (69.0)	F (130.5)	B (15.7)	B (14.5)	B (11.3)	B (12.6)	B (11.4)	A (9.2)
Queue Lengths (AM = southbound, PM = northbound)											
Quentin Road at IL-22 Intersection	Feet	300	550	500	575	400	300	400	300	450	300
Comparison to No Build at IL-22	% change					-20%	-48%	-20%	-48%	-10%	-48%
Quentin Road at Ensell Road Intersection	Feet	600	575	1000	1000	250	300	250	300	275	150
Comparison to No Build at Ensell Road	% change					-75%	-70%	-75%	-70%	-73%	-85%
Quentin Road at Highland Drive	Feet	-	-	-	-	350	350	150	350	175	150
Comparison to Baseline Improvement at Highland Drive	% change					-55%	27%	-81%	27%	-77%	-45%
Safety (Illinois Highway Safety Design Manual)											
Average Predicted Crashes	crashes/year	32.1	41.8	42.8		42.4		42.0			
Fatal & Injury Predicted Crashes (segments)	crashes/year	4.1	5.1	4.4		4.2		4.0			
Fatal & Injury Crash Reduction from Baseline Improvements (segments)	% change	-	-	-18.5%		-21.3%		-25.1%			
Mobility & Accessibility											
Total Travel Time IL-22 to OMR (AM = southbound, PM = northbound)	minutes	3.3	5.3	4.2	7.7	3.8	4.3	3.7	4.3	3.7	4.0
Comparison to No Build	% change					-9%	-44%	-12%	-44%	-12%	-48%
Average Delay - Ravine turn onto Quentin Road	sec/veh	11.9	22.8	15.5	30.9	17.7	34.0	15.0	35.8	21.1	37.2
Delay Comparison to No Build	% change					14%	10%	-3%	16%	36%	20%
Average Delay - Glendale turn onto Quentin Road	sec/veh	11.5	30.2	12.9	287.9	15.9	26.4	21.7	34.9	22.9	37.9
Delay Comparison to No Build	% change					23%	-91%	68%	-88%	78%	-87%
Residential Driveways Blocked by Quentin Road Queues	# driveways	3	2	6	3	3	3	1	2	0	1
Non-Motorized Accommodations											
Non-Motorized Accommodations	Yes/No	No	No	No		Yes		Yes		Yes	
Environmental Resource Impacts											
Wetland Impacts	acres	-	-	-		0.44		0.44		0.44	
Stormwater Facility Impacts	acres	-	-	-		0.21		0.21		0.21	
Surface Waters Impacts	acres	-	-	-		0.01		0.01		0.01	
Floodway Impacts	acres	-	-	-		0		0		0	
Floodplain Impacts	acres	-	-	-		0		0		0	
Park Impacts (Section 4f)	acres	-	-	-		0		0		0	
OSLAD Recreational Property Impacts	acres	-	-	-		0		0		0	
Historic Property Impacts	acres	-	-	-		0		0		0	
Historic Structure Impacts	each	-	-	-		0		0		0	
Cemetery Impacts	acres	-	-	-		0		0		0	
Tree Impacts	each	-	-	-		432		433		433	
Socio-Economic Impacts											
Residential Building Impacts	each	-	-	-		0		0		0	
Commercial Building Impacts	each	-	-	-		0		0		0	
Total Property Acquisition	acres	-	-	-		1.31		1.37		1.37	
Parcels Affected	each	-	-	-		19		20		20	
Access Changes	each	-	-	-		0		0		0	
Cost											
Cost	scale	-	-	-		\$		\$		\$\$	

## OLD MCHENRY CROSSINGS

Fairfield • Midlothian • CN RR • Quentin



# Breakout Session

Regroup at 3:00pm

# Aesthetic Opportunities & Alternatives





# COMMUNITY CHARACTER + IDENTITY

Hawthorn Woods is recognized locally and nationally as a community which places a high value on the protection of its natural resources. A proud ‘America in Bloom’ Community, Hawthorn Woods focuses on Natural Resources programs including promoting native plantings, support for local wildlife, Dark Skies Initiatives, urban forestry and environmental education. The Old McHenry Road Crossings Project may incorporate select landscape and aesthetic design themes with partnerships between the Village and Lake County DOT.

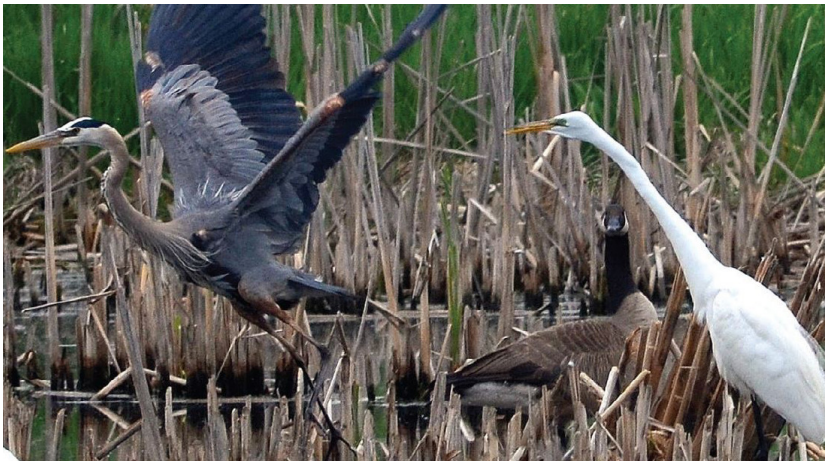
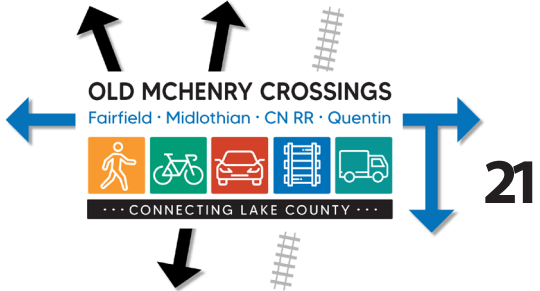


image credits:  
Village of Hawthorn Woods Comprehensive Plan, TranSystems and Teska



**OLD MCHENRY ROAD CROSSINGS | AESTHETIC CONCEPTS**  
**LAKE COUNTY DIVISION OF TRANSPORTATION**  
**AUGUST 17, 2023**





# CONCRETE FORMLINER



**SPECIALTY ENHANCEMENTS**  
Concrete formliner with integrated color and texture to emulate trees



**SPECIALTY ENHANCEMENTS**  
Concrete formliner with integrated color and texture to emulate trees



**BASE ENHANCEMENTS**  
Concrete formliner with stone patterning, decorative metal railings and landscaping

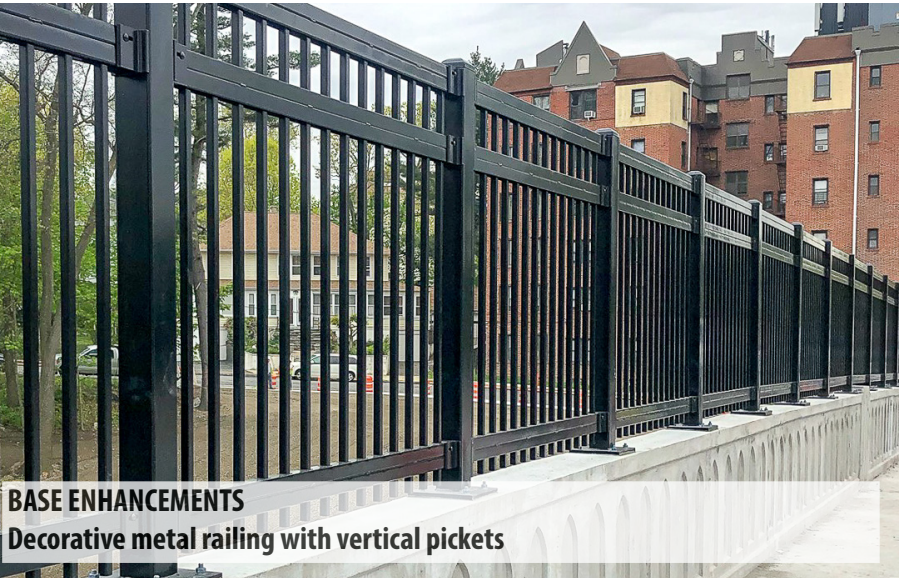
# RAILINGS + BRIDGE FASCIA



**SPECIALTY ENHANCEMENTS**  
Posts and horizontal rails reference rural fencing



**SPECIALTY ENHANCEMENTS**  
Patterned aluminum panels with integrated color accents



**BASE ENHANCEMENTS**  
Decorative metal railing with vertical pickets





MULTI-USE PATH + LANDSCAPE TREATMENTS



Landscaped median planted with low profile perennials and groundcover



Landscaped median treated with mortared cobbles



Landscaped rain garden and native plantings



Split rail fencing and native plantings



Native trees and low profile prairie plantings are separated by the roadway from a mown lawn edge for visibility



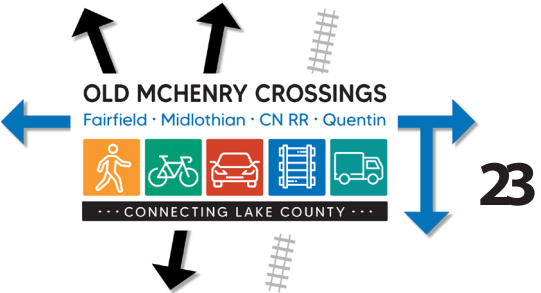
Outcropping stones and plantings along multi-use path



Plantings and split rail fencing along multi-use path



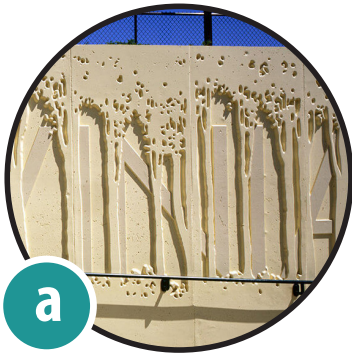
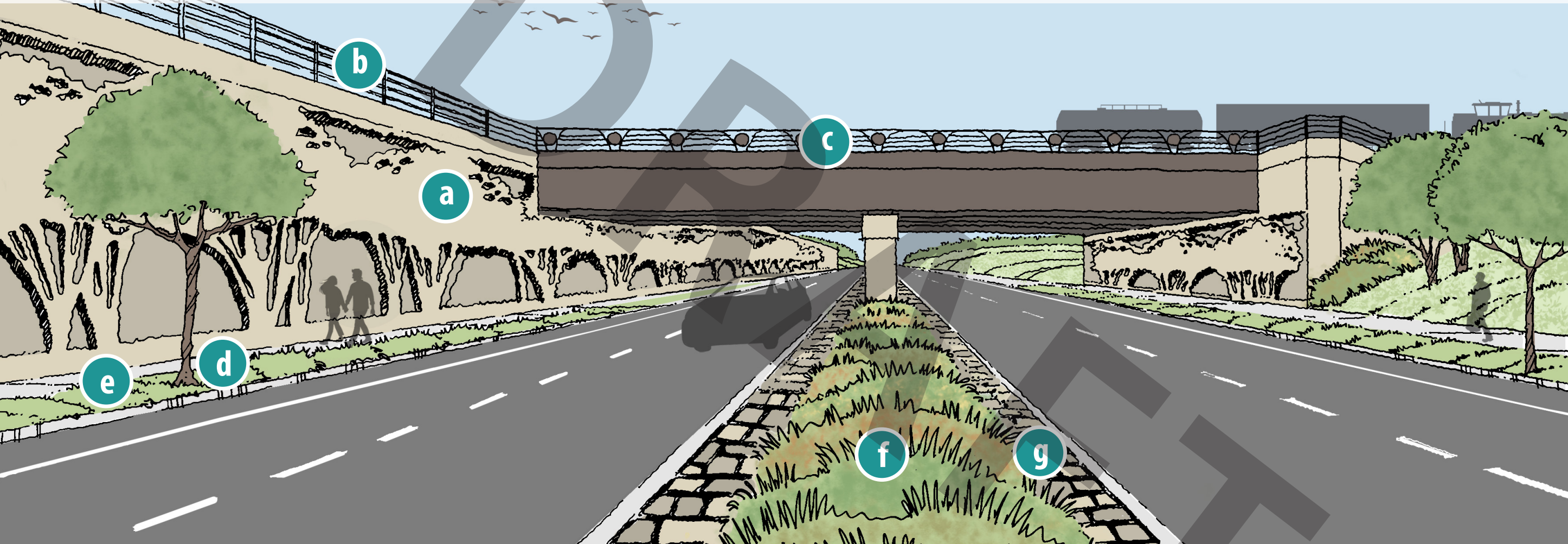
OLD MCHENRY ROAD CROSSINGS | AESTHETIC CONCEPTS  
LAKE COUNTY DIVISION OF TRANSPORTATION  
AUGUST 17, 2023



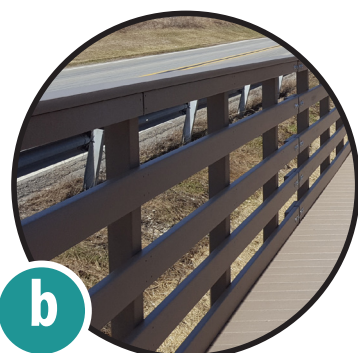


# UNDERPASS CONCEPT

This concept references the native Hawthorn tree canopies and the “woods” referenced in Hawthorn Woods. Retaining walls are treated with custom formliner. Decorative railings and fascia include horizontal rails and custom Hawthorn accents. Landscaped parkways and medians include native trees, grasses and flowering perennials. Narrow paved median sections and edging include mortared cobbles.



a Custom formliner with Hawthorn Tree graphics



b Horizontal railing



c Custom bridge fascia with Hawthorn Tree graphics



d Parkway tree plantings



e Low profile grasses



f Low profile grasses + perennial flower plantings

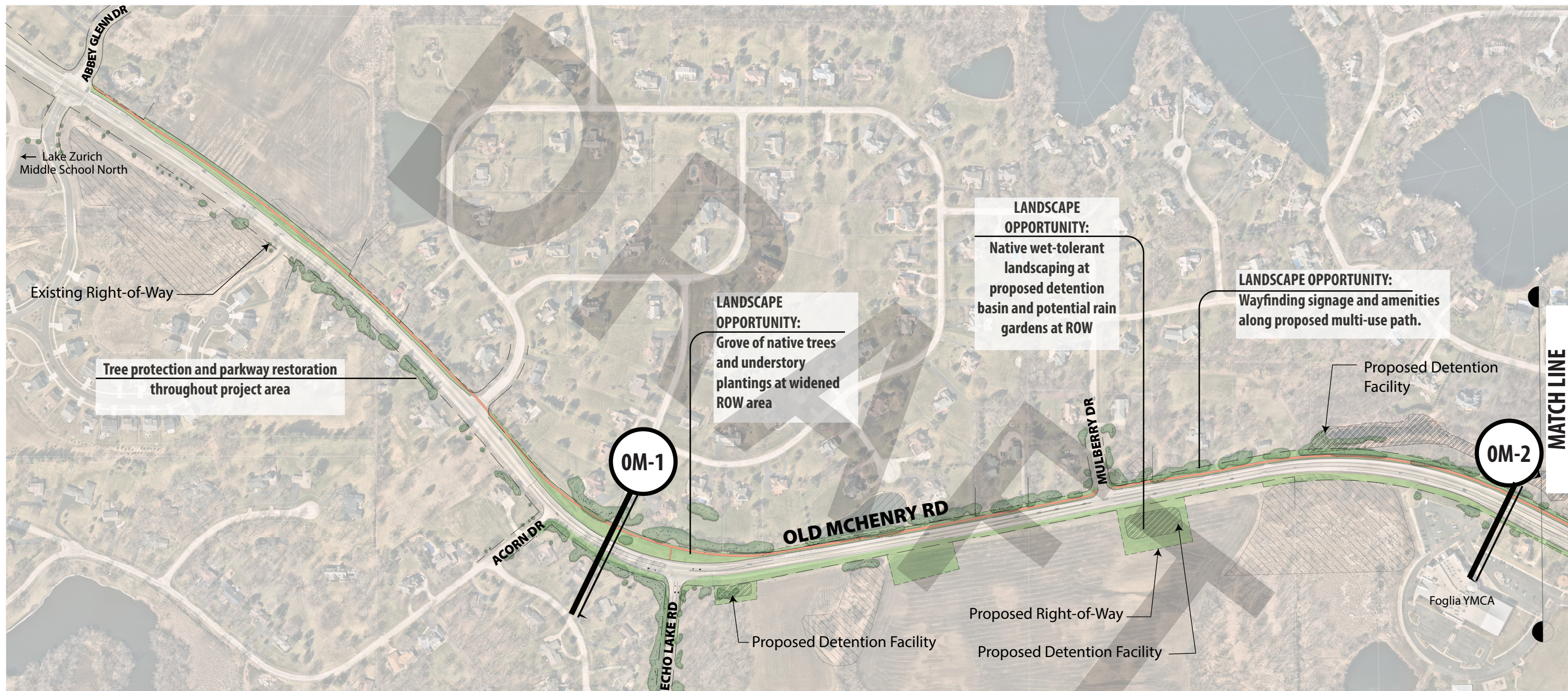


g Mortared cobbles














## OLD MCHENRY ROAD | ABBEY GLENN DRIVE TO FAIRFIELD ROAD



### Legend

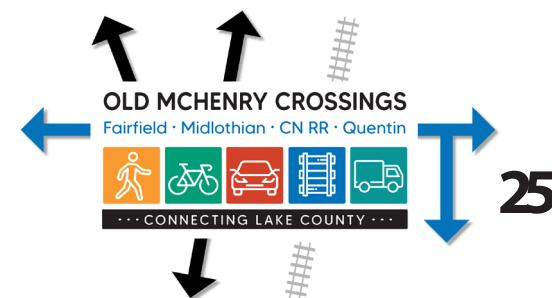
- |                                                                                     |                              |                                                                                     |                              |
|-------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------|------------------------------|
|  | Existing Trees               |  | Landscape Opportunity        |
|  | Existing ROW                 |  | Proposed ROW                 |
|  | Existing Storm Water Feature |  | Proposed Storm Water Feature |
|  | Existing Wetland             |  | Proposed Multi-Use Path      |
|                                                                                     |                              |  | Proposed Sidewalk            |



# OLD MCHENRY ROAD CROSSINGS | AESTHETIC CONCEPTS

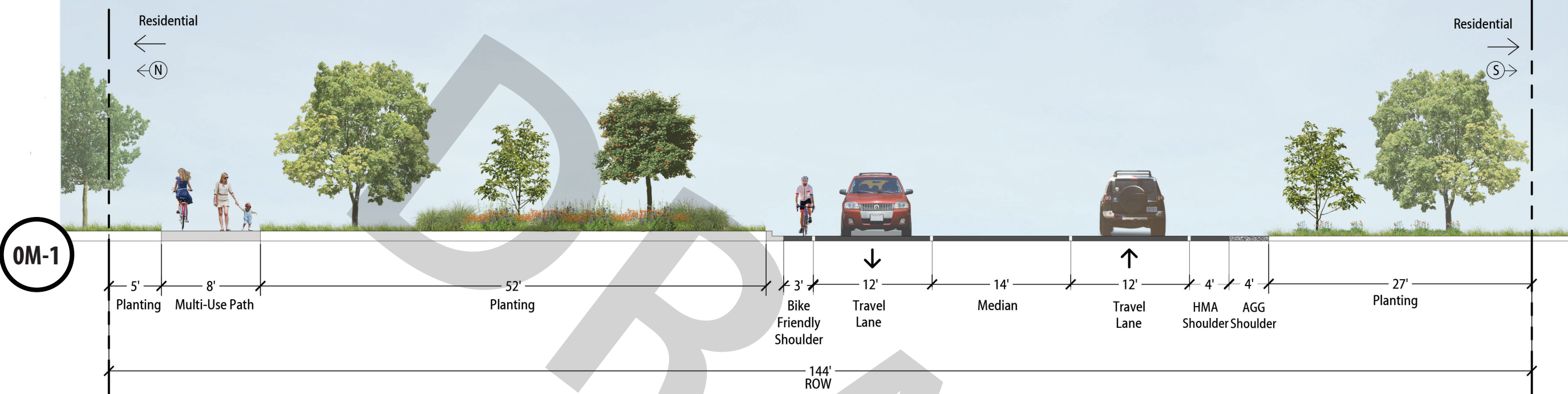
## LAKE COUNTY DIVISION OF TRANSPORTATION

AUGUST 17, 2023

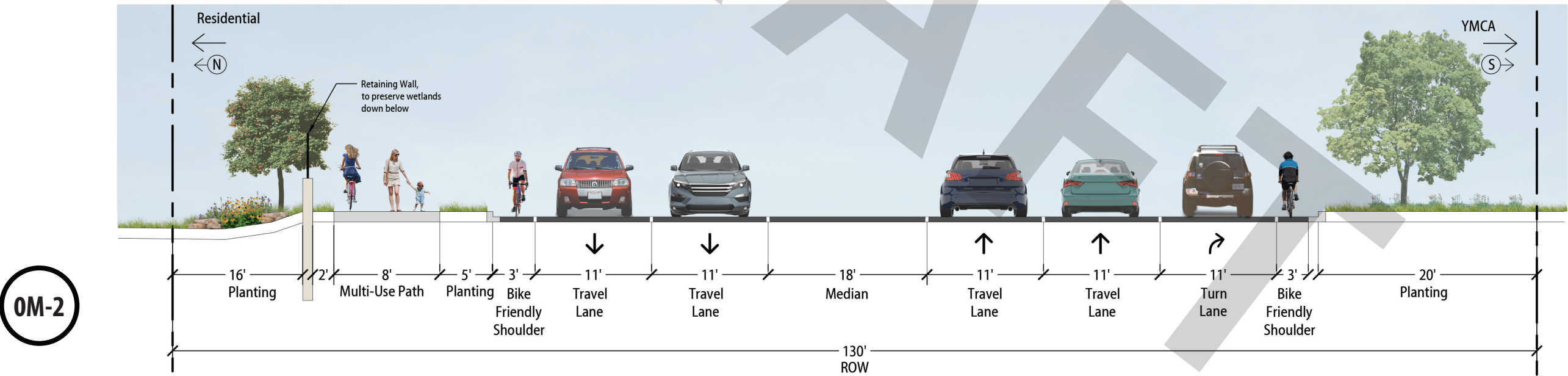




OLD MCHENRY ROAD AT ECHO LAKE ROAD - LOOKING EAST

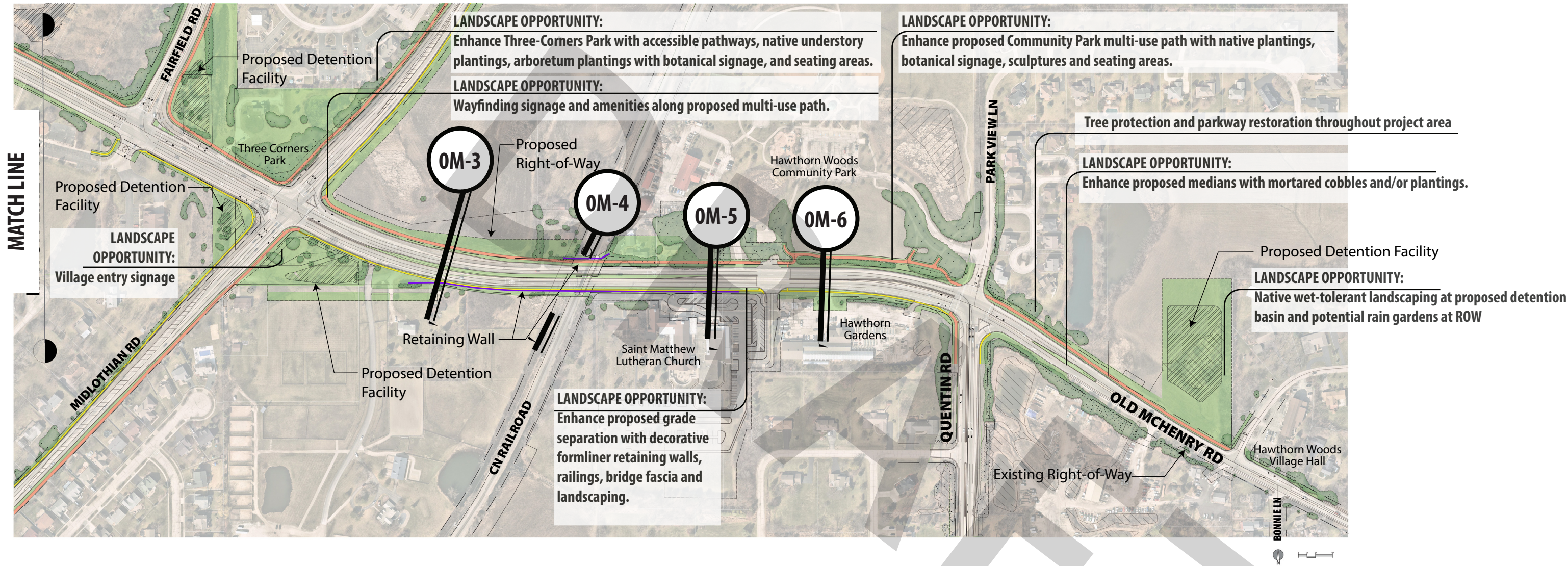


OLD MCHENRY ROAD AT FAIRFIELD ROAD - LOOKING EAST





# OLD MCHENRY ROAD | FAIRFIELD ROAD TO BONNIE LANE

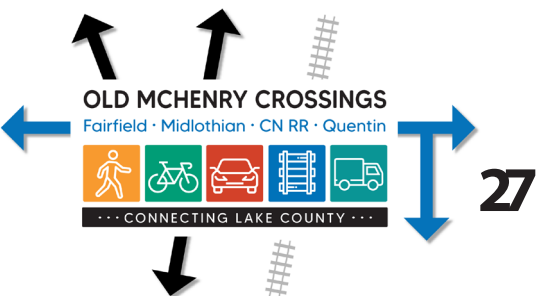


**Legend**

Existing Trees	Landscape Opportunity
Existing ROW	Proposed ROW
Existing Storm Water Feature	Proposed Storm Water Feature
Existing Wetland	Proposed Multi-Use Path
	Proposed Sidewalk



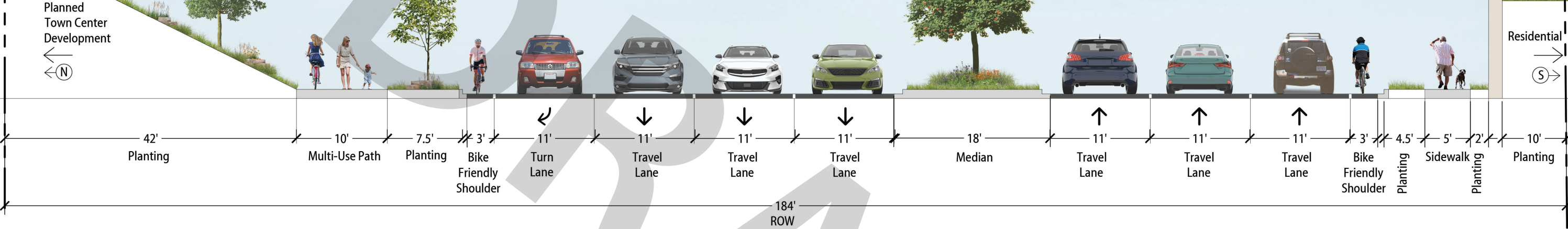
**OLD MCHENRY ROAD CROSSINGS | AESTHETIC CONCEPTS**  
**LAKE COUNTY DIVISION OF TRANSPORTATION**  
AUGUST 17, 2023





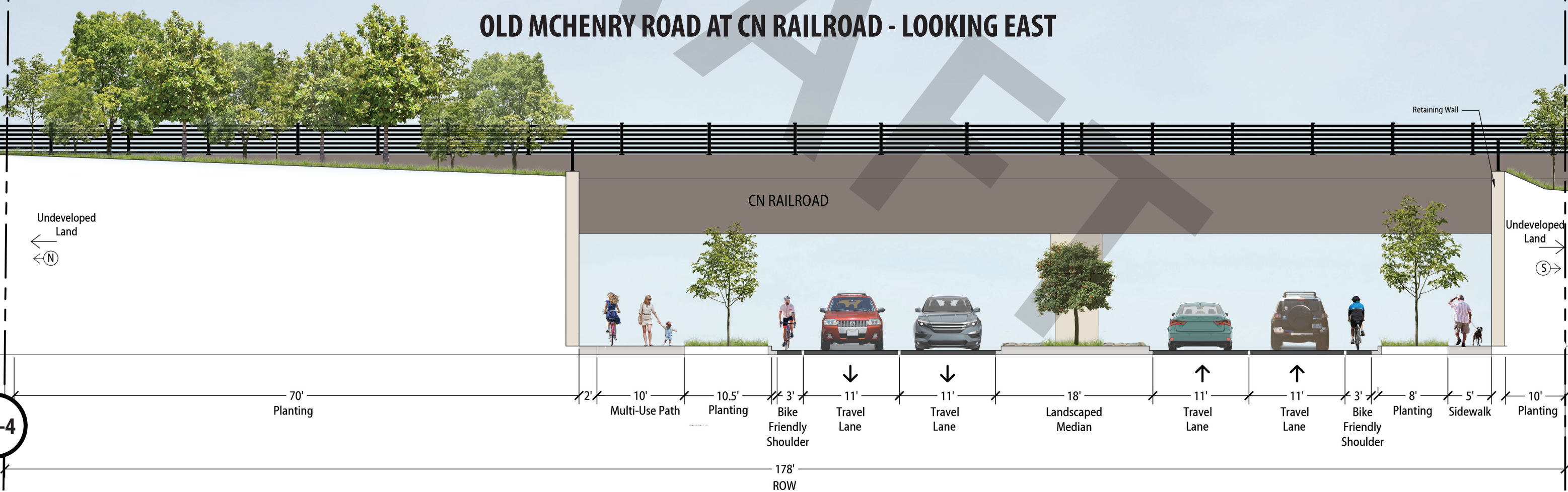
OLD MCHENRY ROAD AT MIDLOTHIAN ROAD - LOOKING EAST

0M-3

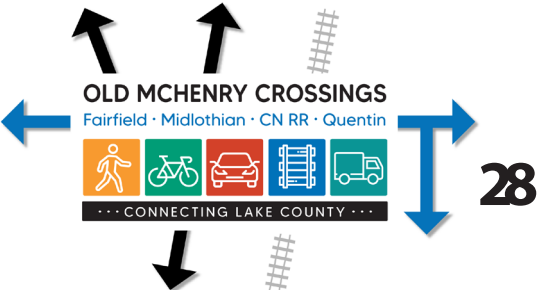


OLD MCHENRY ROAD AT CN RAILROAD - LOOKING EAST

0M-4



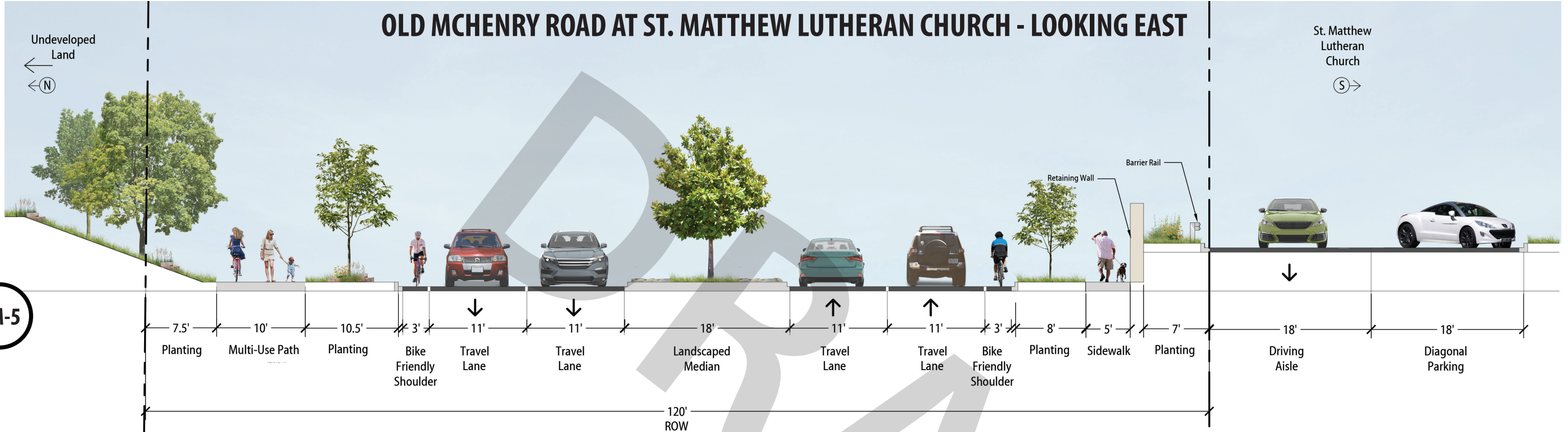
OLD MCHENRY ROAD CROSSINGS | AESTHETIC CONCEPTS  
LAKE COUNTY DIVISION OF TRANSPORTATION  
AUGUST 17, 2023





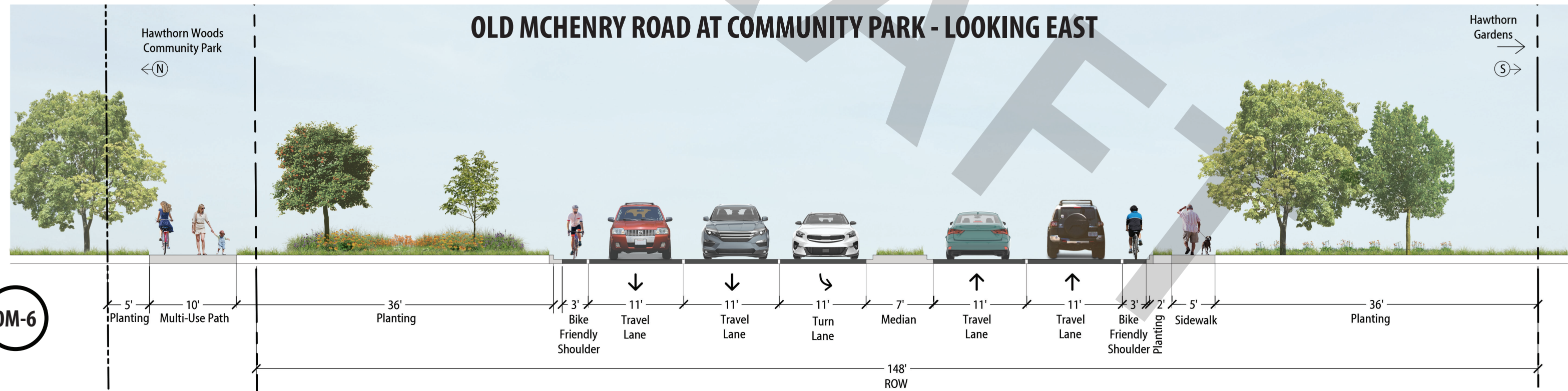
# OLD MCHENRY ROAD AT ST. MATTHEW LUTHERAN CHURCH - LOOKING EAST

0M-5

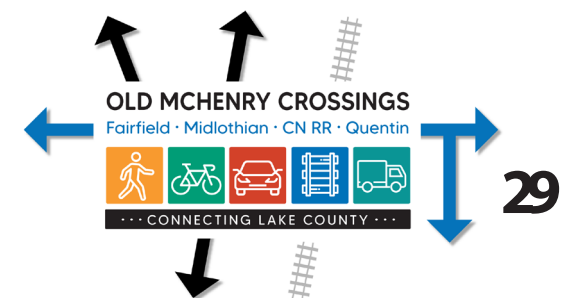


# OLD MCHENRY ROAD AT COMMUNITY PARK - LOOKING EAST

0M-6

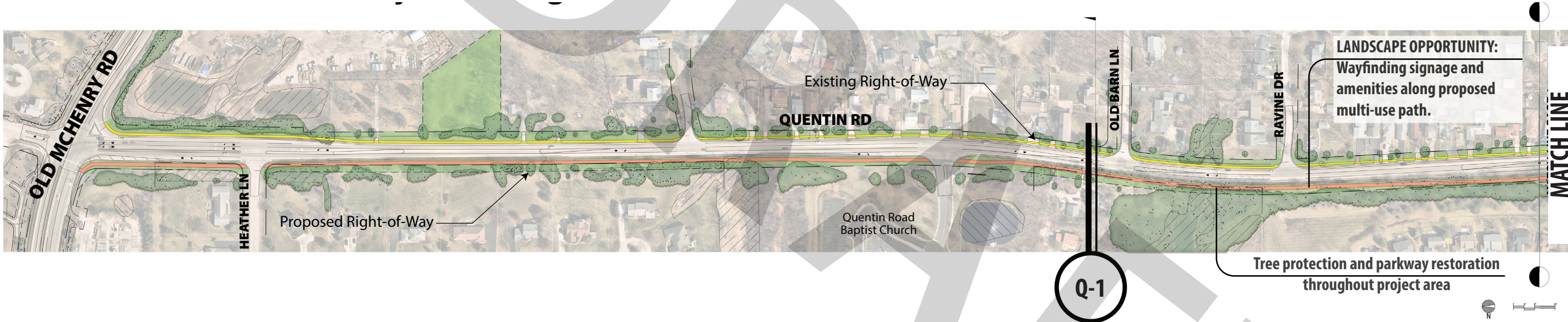


**OLD MCHENRY ROAD CROSSINGS | AESTHETIC CONCEPTS**  
**LAKE COUNTY DIVISION OF TRANSPORTATION**  
 AUGUST 17, 2023





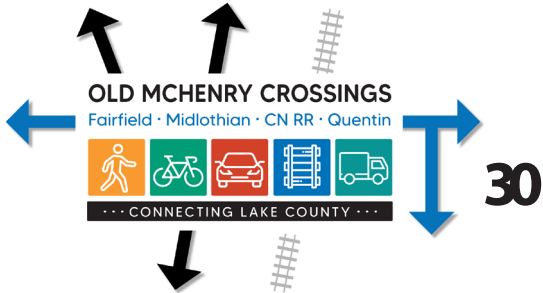
# QUENTIN ROAD | OLD MCHENRY ROAD TO HIGHLAND DRIVE



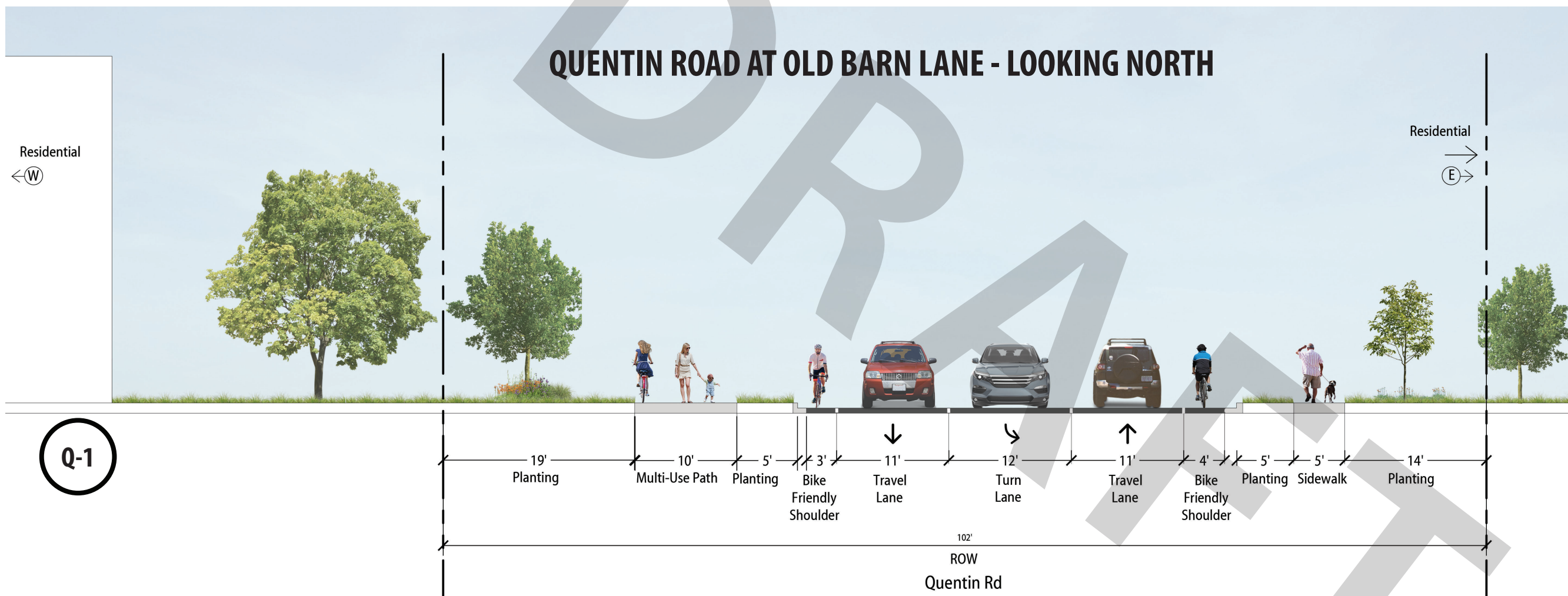
Legend	
	Existing Trees
	Proposed ROW
	Existing Storm Water Feature
	Proposed Storm Water Feature
	Existing Wetland
	Landscape Opportunity
	Proposed Multi-Use Path
	Proposed Sidewalk



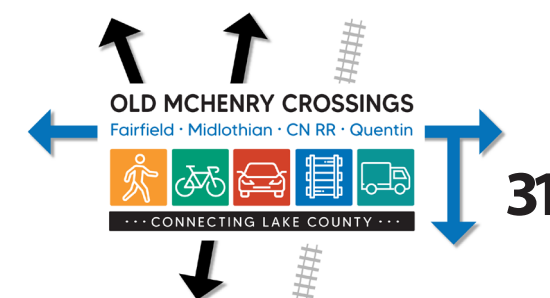
**OLD MCHENRY ROAD CROSSINGS | AESTHETIC CONCEPTS**  
**LAKE COUNTY DIVISION OF TRANSPORTATION**  
**AUGUST 17, 2023**



# QUENTIN ROAD AT OLD BARN LANE - LOOKING NORTH

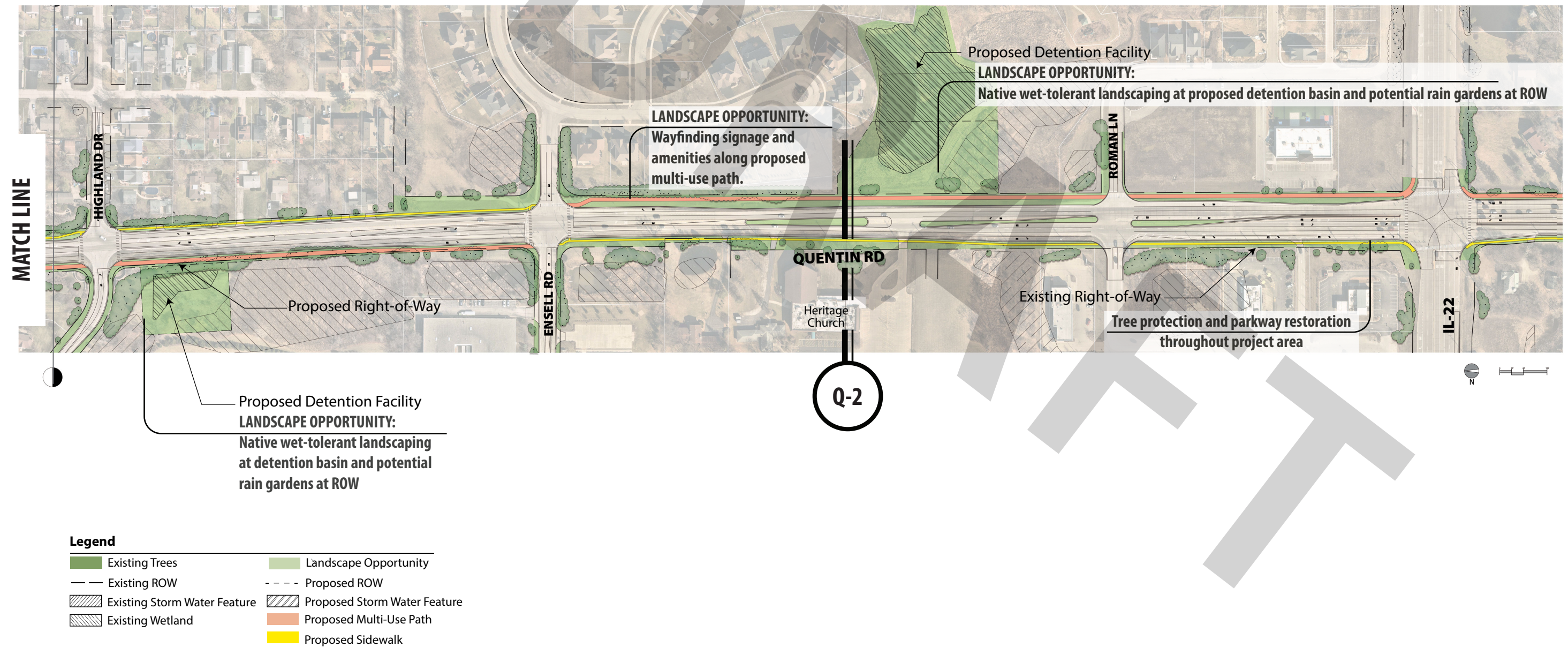


**OLD MCHENRY ROAD CROSSINGS | AESTHETIC CONCEPTS**  
**LAKE COUNTY DIVISION OF TRANSPORTATION**  
 AUGUST 17, 2023

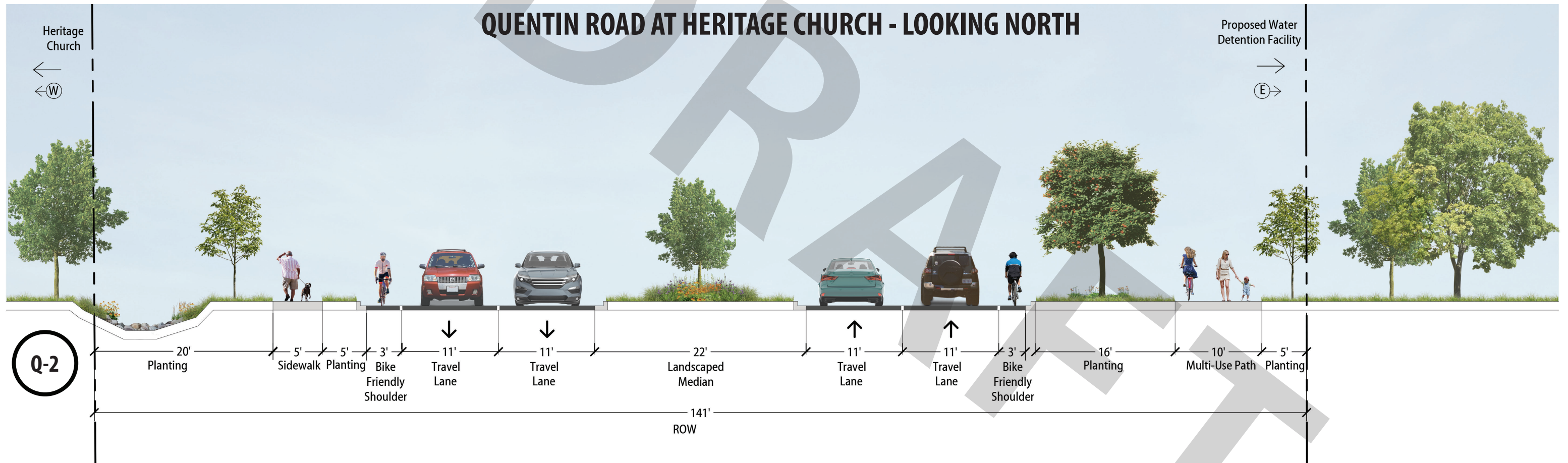




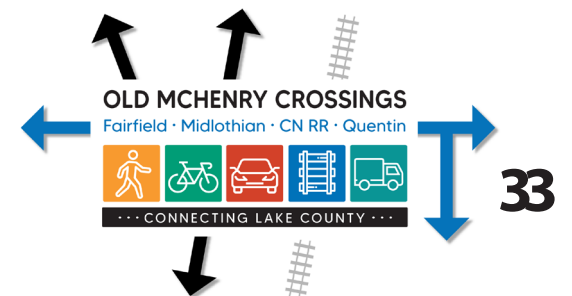
## QUENTIN ROAD | HIGHLAND DRIVE TO IL-22







**OLD MCHENRY ROAD CROSSINGS | AESTHETIC CONCEPTS**  
**LAKE COUNTY DIVISION OF TRANSPORTATION**  
 AUGUST 17, 2023





# NATIVE PLANTINGS | CANOPY TREES



American Hornbeam  
*Carpinus caroliniana*

Mature Height: 25'  
Mature Width: 25'

Pollinators: *Butterflies/Moths*



Ohio Buckeye  
*Aesculus glabra*

Mature Height: 30'  
Mature Width: 30'

Pollinators: *Bees & Hummingbirds*



Common Hackberry  
*Celtis occidentalis*

Mature Height: 60'  
Mature Width: 50'

Pollinators: *Butterflies/Moths*



Black Tupelo  
*Nyssa sylvatica*

Mature Height: 40'  
Mature Width: 50'

Pollinators: *Bees*



Red Maple  
*Acer rubrum*

Mature Height: 45'  
Mature Width: 40'

Pollinators: *Bees & Butterflies/Moths*



Kentucky Coffeetree  
*Gymnocladus dioica*

Mature Height: 50'  
Mature Width: 50'

Pollinators: *Butterflies/Moths*



Swamp White Oak  
*Quercus bicolor*

Mature Height: 50'  
Mature Width: 40'

Pollinators: *Butterflies/Moths*

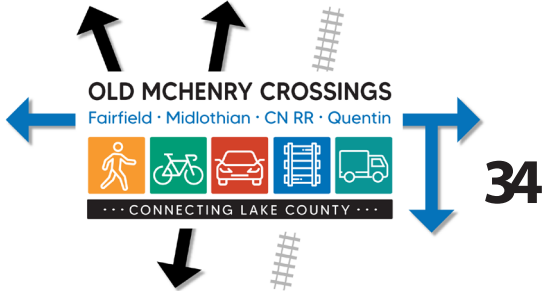


Yellowwood  
*Cladrastis kentukea*

Mature Height: 40'  
Mature Width: 40'

Pollinators: *Butterflies/Moths*

NOTE: Mature tree heights and widths are dependent on soil conditions and maintenance practice.





# NATIVE PLANTINGS | UNDERSTORY TREES



**Prairie Crabapple**  
*Malus ioensis*

**Mature Height:** 15'-20'  
**Mature Width:** 20'

**Flower Color:** Deep pink-red/  
Light Pink/White  
**Pollinators:** Bees



**Nannyberry**  
*Viburnum lentago*

**Mature Height:** 12'  
**Mature Width:** 12'

**Flower Color:** White  
**Pollinators:** Bees, Butterflies/  
Moths, Flies, & Wasps



**Downy Hawthorn**  
*Crataegus Mollis*

**Mature Height:** 25'  
**Mature Width:** 20'

**Flower Color:** White  
**Pollinators:** Bees and Birds



*NOTE: Thornless Hawthorn trees should be specified nearby to any pedestrian use areas*



**Serviceberry**  
*Amelanchier arborea*

**Mature Height:** 20'  
**Mature Width:** 15'

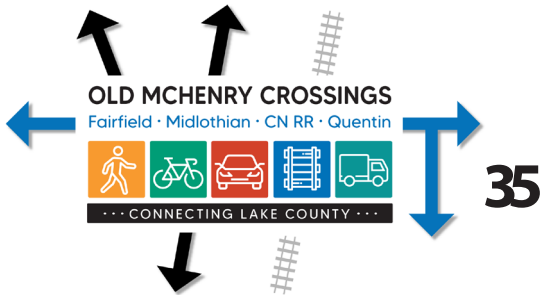
**Flower Color:** White  
**Pollinators:** Bees, Beetles, & Flies



**Witch Hazel**  
*Hamamelis virginiana*

**Mature Height:** 15'  
**Mature Width:** 15'

**Flower Color:** Yellow  
**Pollinators:** Bees & Flies





NATIVE PLANTINGS | SHRUBS



Dwarf Bush Honeysuckle  
*Diervilla lonicera*

Mature Height: 1'-3'  
Mature Width: 3'-5'

Flower Color: Red/Orange/Yellow  
Pollinators: Butterflies & Hummingbirds



Kalm's St. John's wort  
*Hypericum kalmianum*

Mature Height: 2'-3'  
Mature Width: 3'-4'

Flower Color: Yellow  
Pollinators: Bees



New Jersey Tea  
*Ceanothus americanus*

Mature Height: 2'-3'  
Mature Width: 2'-3'

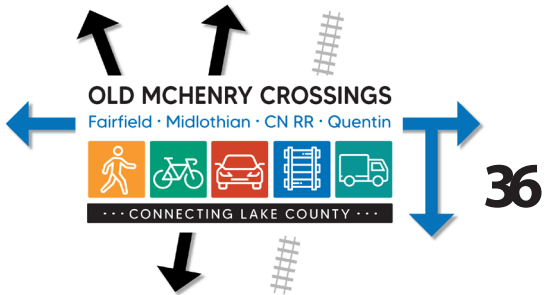
Flower Color: White  
Pollinators: Bees, Butterflies/Moths, & Hummingbirds



Arctostaphylos uva-ursi  
*Bearberry*

Mature Height: 1'  
Mature Width: 3'-6'

Flower Color: White/Pink  
Pollinators: Bees, Butterflies/Moths, & Hummingbirds





# NATIVE PLANTINGS | GRASSES + PERENNIALS



**Butterflyweed**  
*Asclepias tuberosa*

**Mature Height:** 1’  
**Mature Width:** 2’

**Flower Color:** *Orange*  
**Pollinators:** *Bees & Butterflies/Moths*



**Lance-Leaf Coreopsis**  
*Coreopsis lanceolata*

**Mature Height:** 2’  
**Mature Width:** 1’-2’

**Flower Color:** *Yellow*  
**Pollinators:** *Bees, Butterflies/Moths & Flies*



**Narrow-Leaf Mountain Mint**  
*Pycnanthemum tenuifolium*

**Mature Height:** 2’  
**Mature Width:** 2’-3’

**Flower Color:** *White*  
**Pollinators:** *Bees, Butterflies/Moths, Flies, & Wasps*



**Nodding Wild Onion**  
*Allium cernuum*

**Mature Height:** 1’-2’  
**Mature Width:** 1’

**Flower Color:** *Pink*  
**Pollinators:** *Bees, Butterflies/Moths, & Hummingbirds*



**Prairie Junegrass**  
*Koeleria macrantha*

**Mature Height:** 1’-2’  
**Mature Width:** 1’-2’



**Prairie Sedge**  
*Carex bicknellii*

**Mature Height:** 1’-3’  
**Mature Width:** 1’-3’



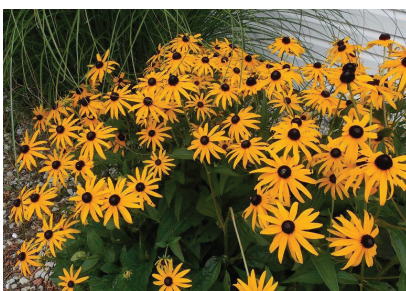
**Palm Sedge**  
*Carex muskingumensis*

**Mature Height:** 1’-3’  
**Mature Width:** 1’-3’



**Prairie Dropseed**  
*Sporobolus heterolepis*

**Mature Height:** 1’-2’  
**Mature Width:** 2’-3’



**Black-eyed Susan**  
*Rudbeckia hirta*

**Mature Height:** 2’-3’  
**Mature Width:** 2’

**Flower Color:** *Yellow*  
**Pollinators:** *Butterflies/Moths*



**Wild Columbine**  
*Aquilegia canadensis*

**Mature Height:** 2’  
**Mature Width:** 1’-2’

**Flower Color:** *Red/Yellow*  
**Pollinators:** *Butterflies/Moths & Hummingbirds*



**Wild Geranium**  
*Geranium maculatum*

**Mature Height:** 1’-2’  
**Mature Width:** 1’-2’

**Flower Color:** *Lavender*  
**Pollinators:** *Bees, Butterflies/Moths, & Flies*



**Sideoats Grama**  
*Bouteloua curtipendula*

**Mature Height:** 1’-2’5’  
**Mature Width:** 1’-2’

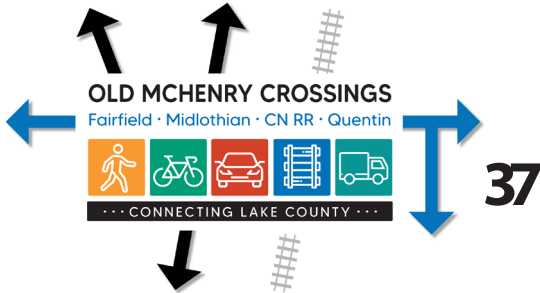
**Pollinators:** *Butterflies/Moths*



**Smooth Blue Aster**  
*Aster laevis*

**Mature Height:** 2’-3’  
**Mature Width:** 2’-4’

**Flower Color:** *Blue*  
**Pollinators:** *Butterflies/Moths*





# NATIVE PLANTINGS | GRASSES + PERENNIALS (WET TOLERANT PLANTINGS)



**Lance-Leaf Coreopsis**  
*Coreopsis lanceolata*

**Mature Height:** 2'  
**Mature Width:** 1'-2'

**Flower Color:** *Yellow*  
**Pollinators:** *Bees, Butterflies/Moths & Flies*



**Prairie Dropseed**  
*Sporobolus heterolepis*

**Mature Height:** 1'-2'  
**Mature Width:** 2'-3'



**Wild Columbine**  
*Aquilegia canadensis*

**Mature Height:** 2'  
**Mature Width:** 1'-2'

**Flower Color:** *Red/Yellow*  
**Pollinators:** *Butterflies/Moths & Hummingbirds*



**Narrow-Leaf Mountain Mint**  
*Pycnanthemum tenuifolium*

**Mature Height:** 2'  
**Mature Width:** 2'-3'

**Flower Color:** *White*  
**Pollinators:** *Bees, Butterflies/Moths, Flies, & Wasps*



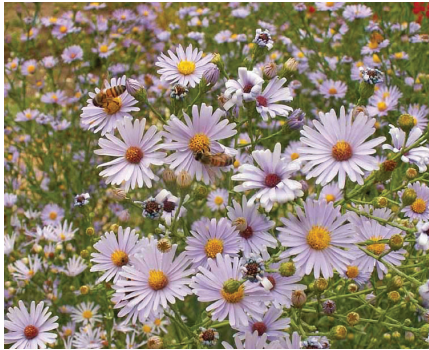
**Prairie Sedge**  
*Carex bicknellii*

**Mature Height:** 1'-3'  
**Mature Width:** 1'-3'



**Palm Sedge**  
*Carex muskingumensis*

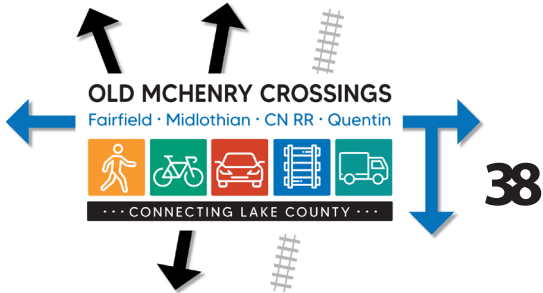
**Mature Height:** 1'-3'  
**Mature Width:** 1'-3'



**Smooth Blue Aster**  
*Aster laevis*

**Mature Height:** 2'-3'  
**Mature Width:** 2'-4'

**Flower Color:** *Blue*  
**Pollinators:** *Butterflies/Moths*



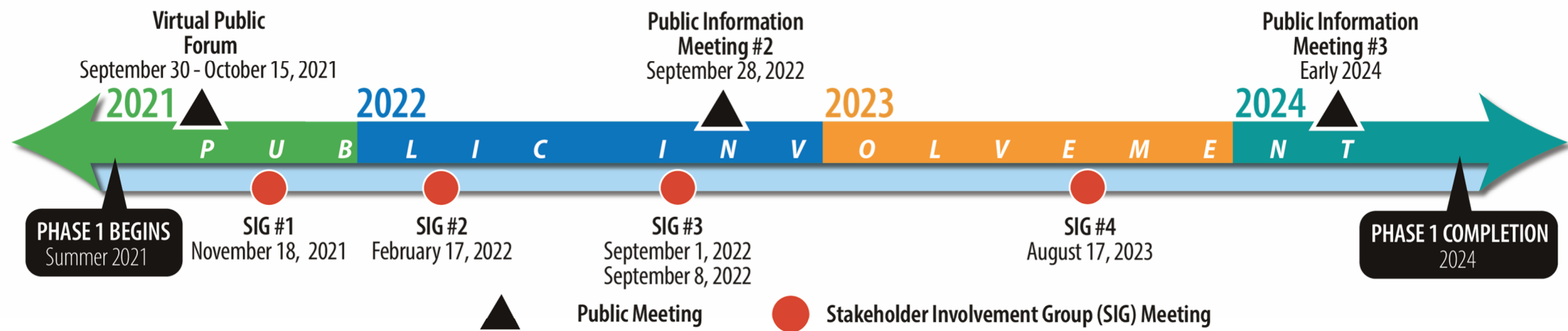


# Next Steps & Schedule



# Next Steps & Schedule

- Final Public Information Meeting – Early 2024 (Targeted)
- Continue Ongoing IDOT and FHWA Coordination
- Phase 1 Approval 2024
- Phase 2 Design Plans 2024-2026
- Phase 3 Construction 2026+



## OLD MCHENRY CROSSINGS

Fairfield • Midlothian • CN RR • Quentin





# Thank You

