

PROPOSED WAKARUSA DRIVE EXTENSION

TOWN HALL MEETING
SEPTEMBER 29, 2022



MEETING AGENDA

Welcome and introductions	5 minutes
Project description and overview	20 minutes
Roundtable discussions	20-30 minutes
Summarize group discussions	10 minutes
Additional discussion	15 minutes

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Wakarusa Drive Extension Project

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The proposed extension of Wakarusa Drive is a high priority improvement in the county's road network. The proposed alignment will restore north-south connection for a large service area in southwest Douglas County, and provide Lawrence residents with increased access to city park facilities. The proposed road will be maintained by Douglas County.

See the [Full Report](#) for the Proposed Wakarusa Drive Extension

TOWN HALL MEETING

6:30 PM Thursday, September 29

Greenbush Resource Center (formerly Wakarusa Valley School)
1104 E 1000 Road

Topic: Wakarusa Drive extension



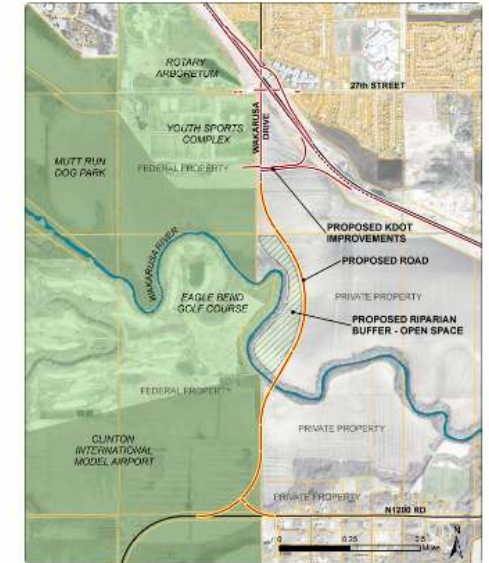
More information: <http://dockets.org/wakarusa-report>



Thursday, Sept. 29 6:30 PM

Greenbush Resource Center ([map](#))

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Proposed Wakarusa Drive Extension

Project Collaborators

Public Works

[Visit Website](#)

Phone: 785-832-5293

[Email Us](#)

Zoning and Codes

[Visit Website](#)

Phone: 785-331-1343

[Email Us](#)

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Get information about the Wakarusa Drive extension project in your inbox.

* Email

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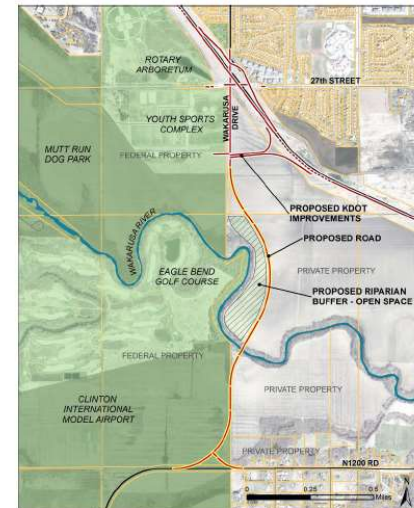


PROJECT DESCRIPTION AND OVERVIEW

- Long-range planning
- Conceptual layout
- Project benefits
- Anticipated environmental concerns
- Estimated project cost



Report on the Proposed Extension of Wakarusa Drive

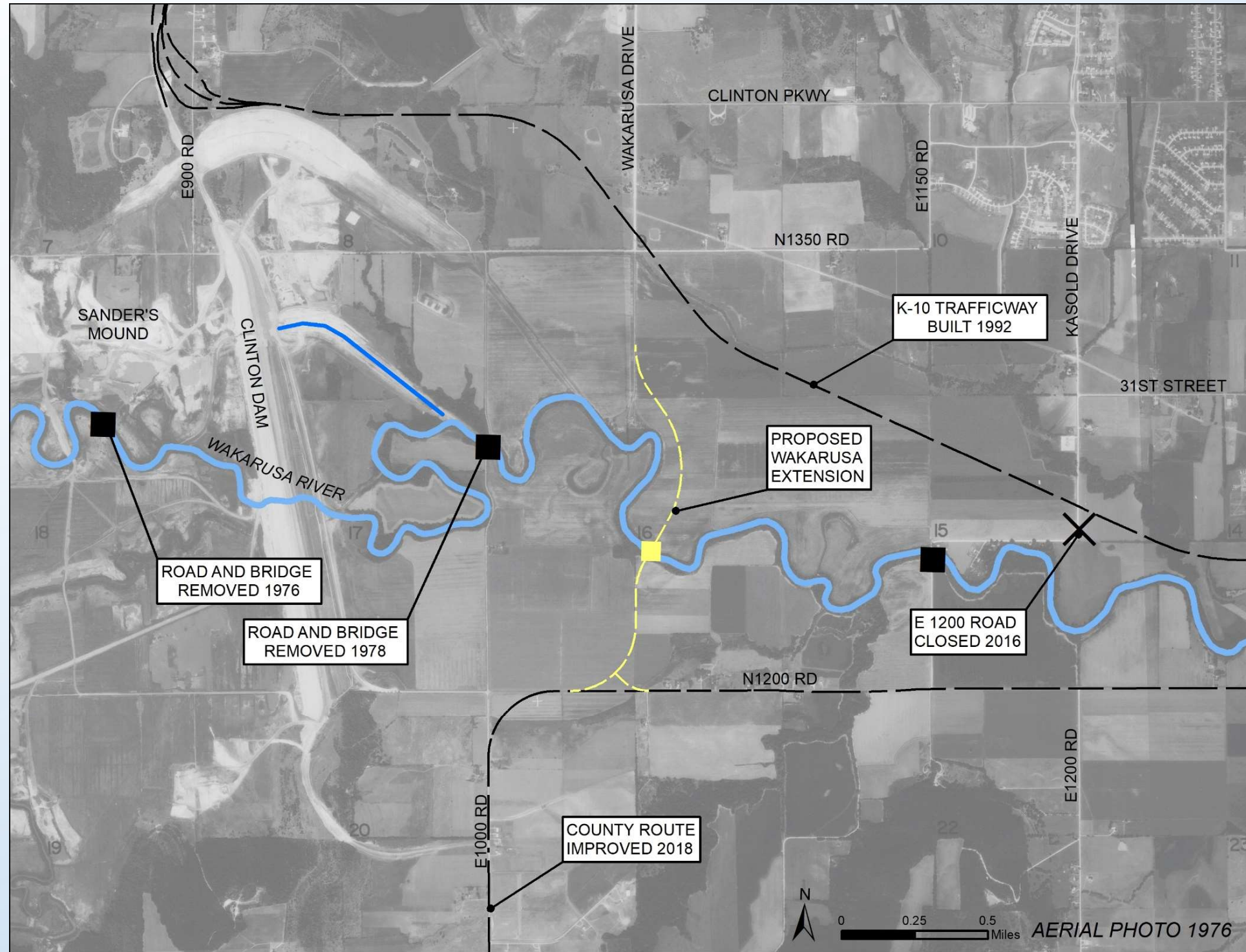


Prepared by Douglas County Public Works

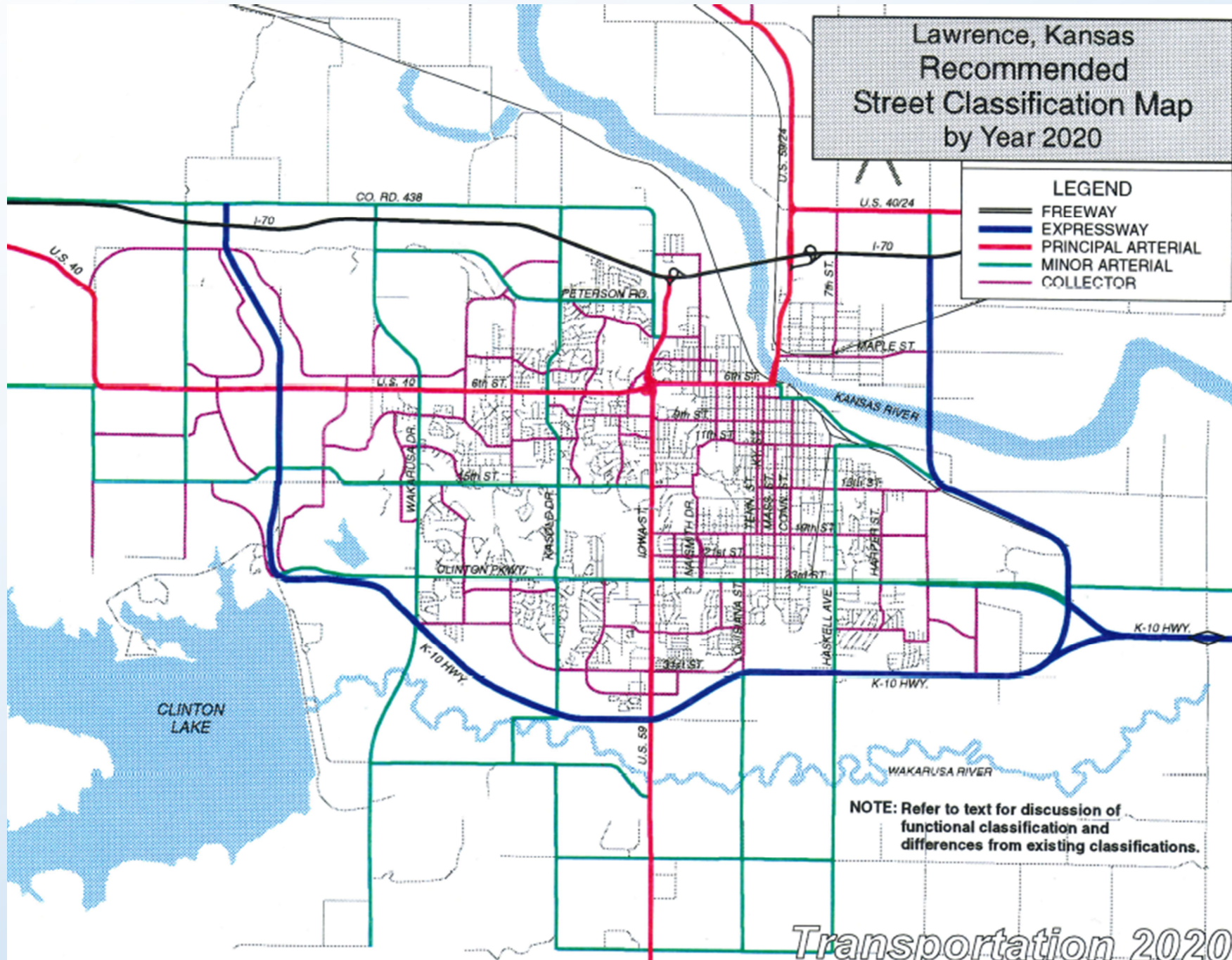
July 2022



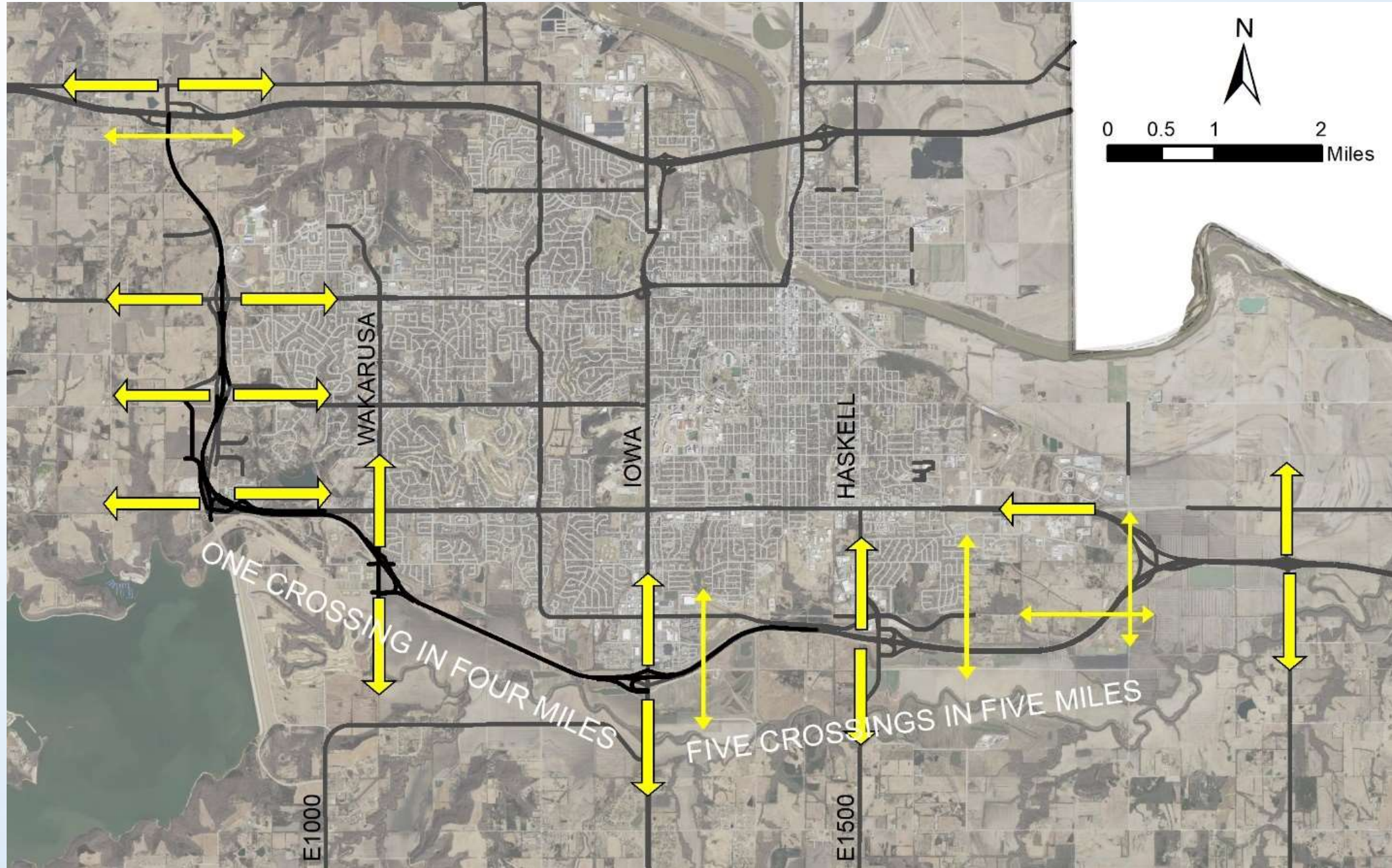
ROAD NETWORK HISTORY



1998 COMPREHENSIVE PLAN



SOUTH LAWRENCE TRAFFICWAY PLANNING

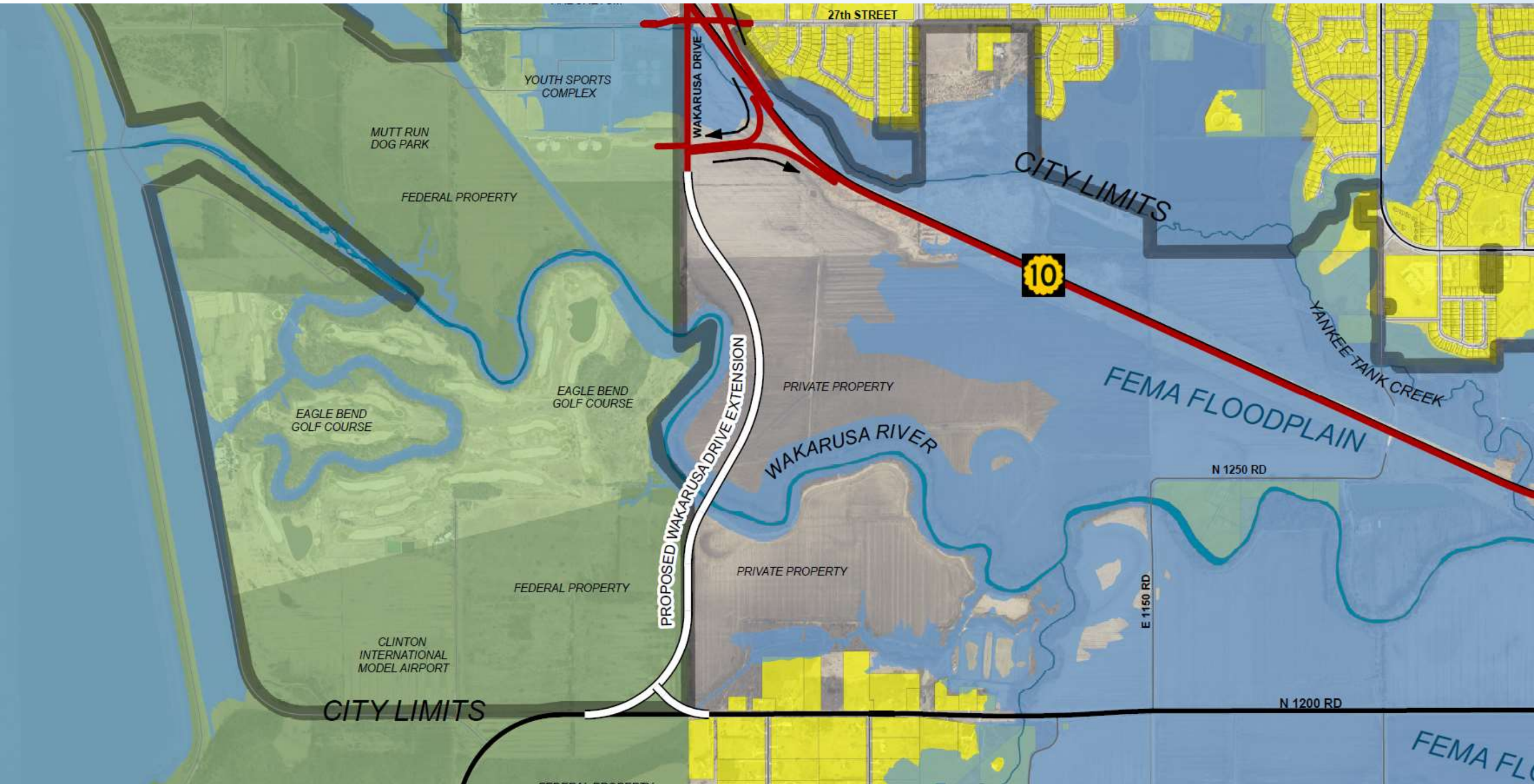


PROJECT TIMELINE

- Road identified in long-range plans
- Project listed in Capital Improvement Plans
- Start the design process, contract for engineering services
- Preliminary engineering, evaluate design options
- Identify environmental concerns
- Present design options and seek public input
- Review recommendations and identify a preferred design
- Proceed with final engineering, prepare construction plans
- Property and easement acquisition
- Final approval of plans and permits
- Bid for construction
- Road construction, inspection and acceptance
- Road open for public use



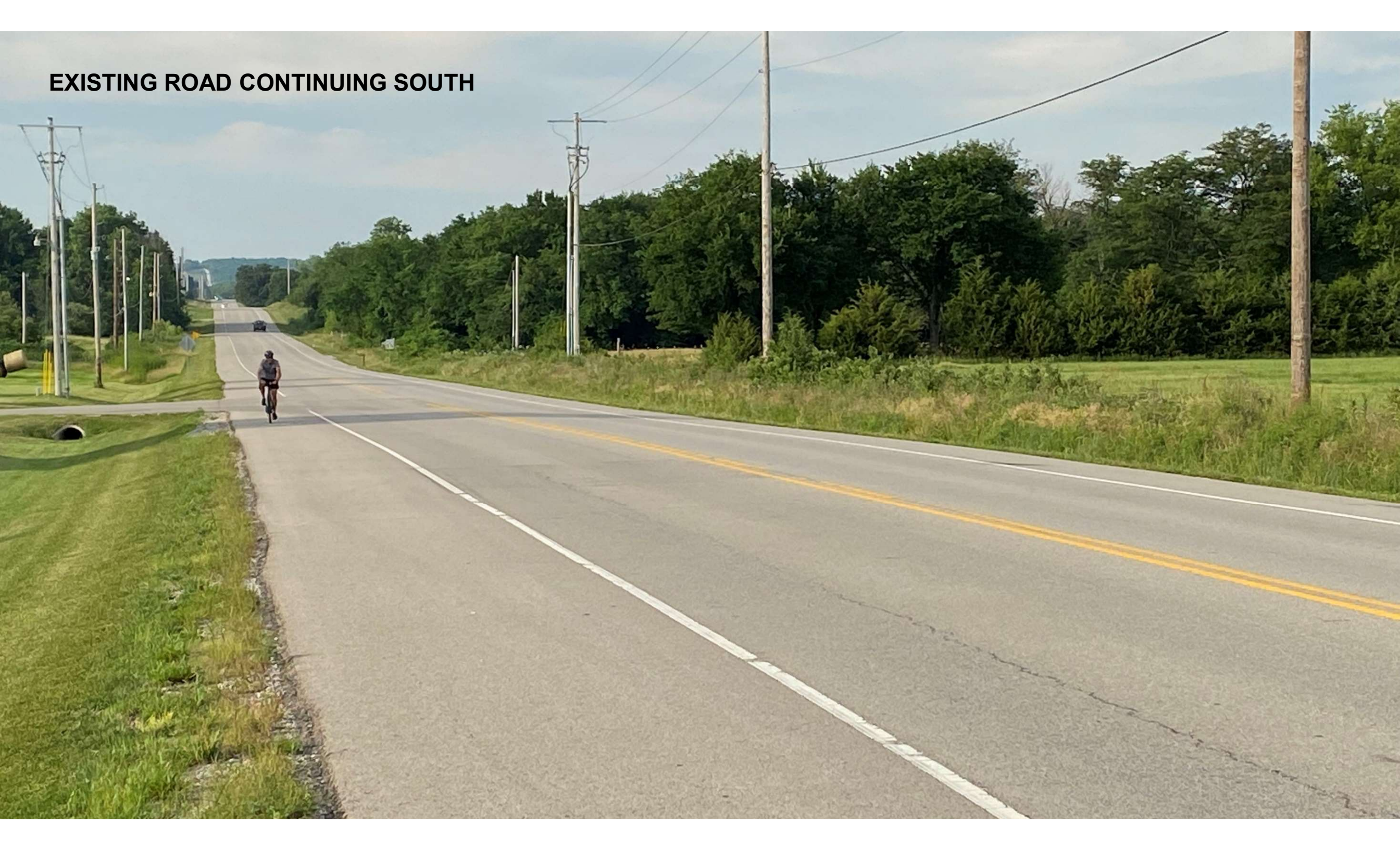
CONCEPTUAL ROADWAY ALIGNMENT



WAKARUSA DRIVE LOOKING NORTH



EXISTING ROAD CONTINUING SOUTH



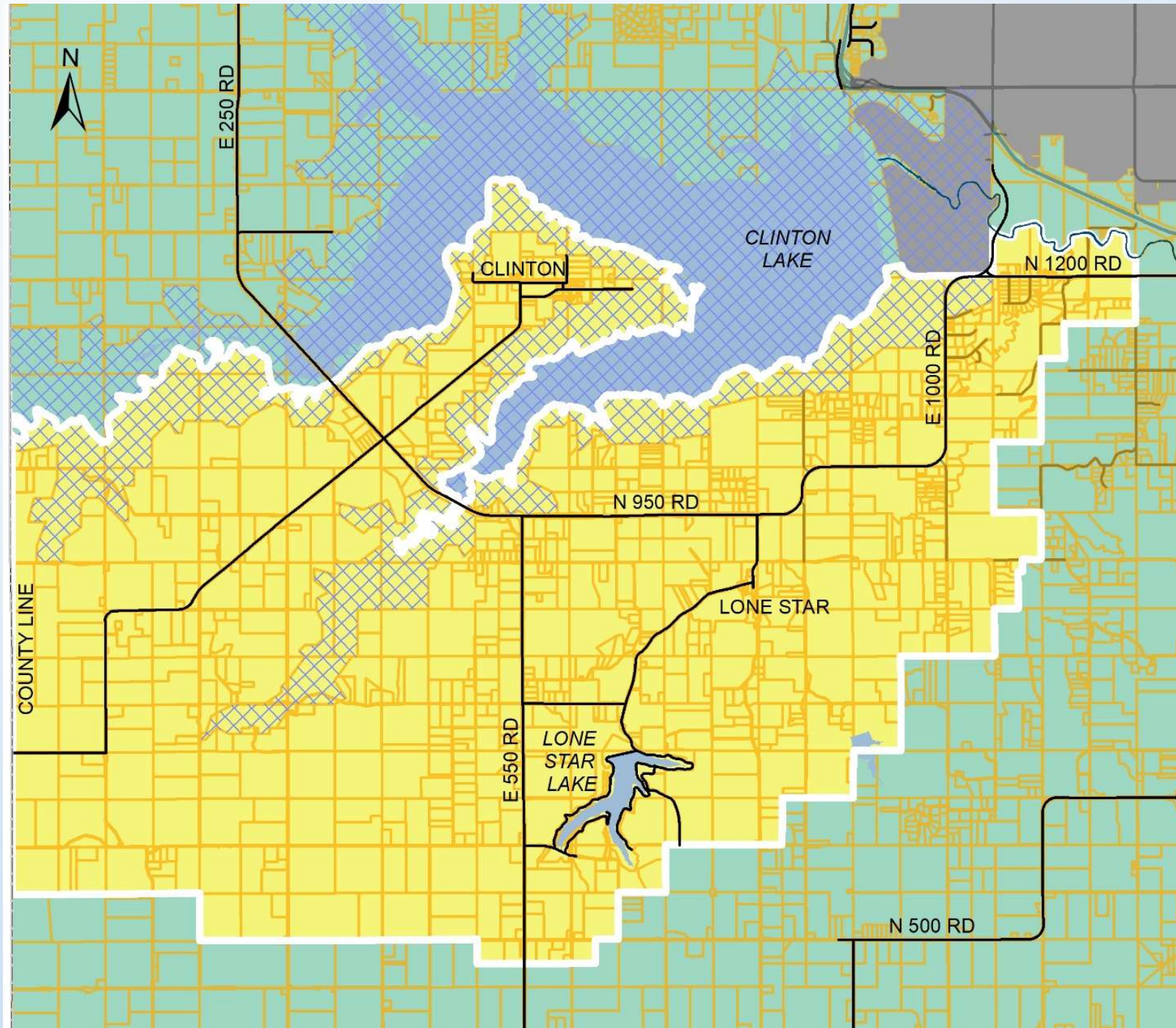
PROJECT BENEFITS

- Improved access for rural residents
- Improved fire and medical response
- Reliable access during flood events
- Reduced traffic in recreational areas
- Reduced travel times and vehicle use
- Reduced traffic in congested areas
- Improved access to city park facilities

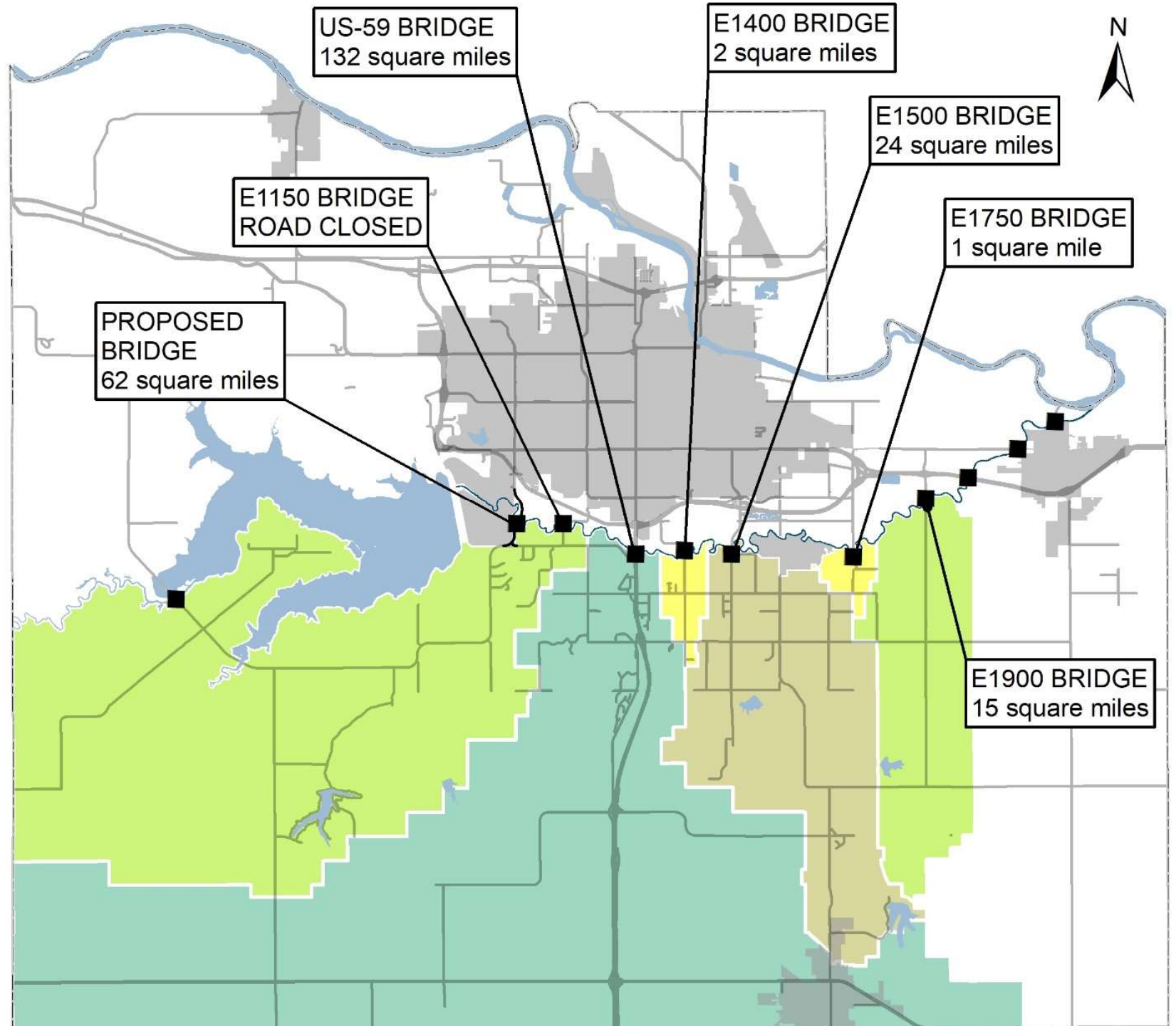


RURAL SERVICE AREA

Total area served	62 square miles
Publicly owned land	10 square miles
Privately owned parcels	1,218
Total appraised property value	\$280 million



WAKARUSA RIVER BRIDGES



EXISTING TRAFFIC PATTERNS

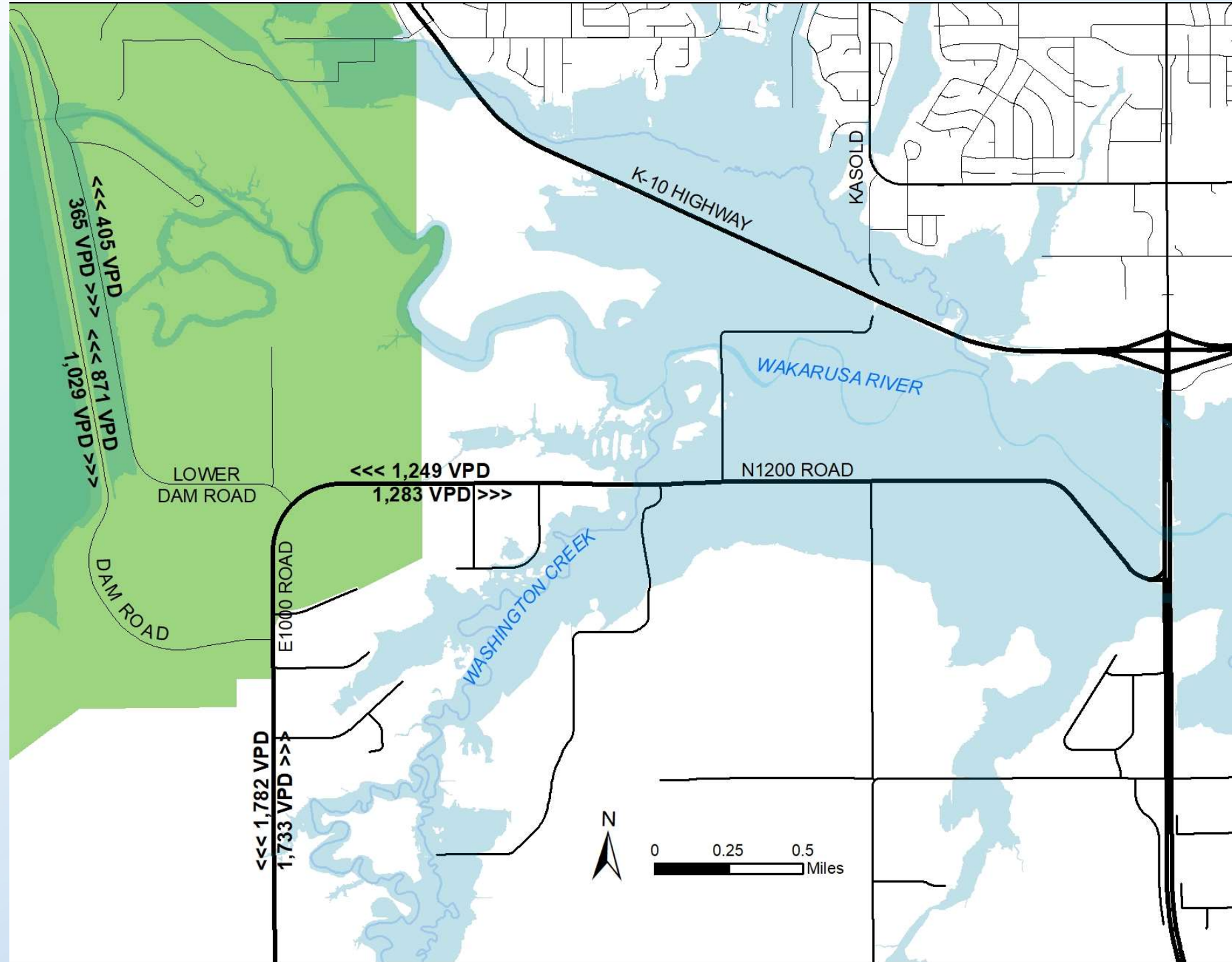
Traffic counts collected July 2022

Dam road 1,900 VPD

Lower dam road 700 VPD

N 1200 Road 2,500 VPD

E 1000 Road 3,500 VPD



ESTIMATED 2026 TRAFFIC PATTERNS

Wakarusa Drive	3,650 VPD
Dam road	450 VPD
Lower dam road	400 VPD
N 1200 Road	900 VPD
E 1000 Road	3,500 VPD



REDUCED VEHICLE USE

REDUCED TRAFFIC IN CONGESTED AREAS

Average reduction 1.2 miles per trip

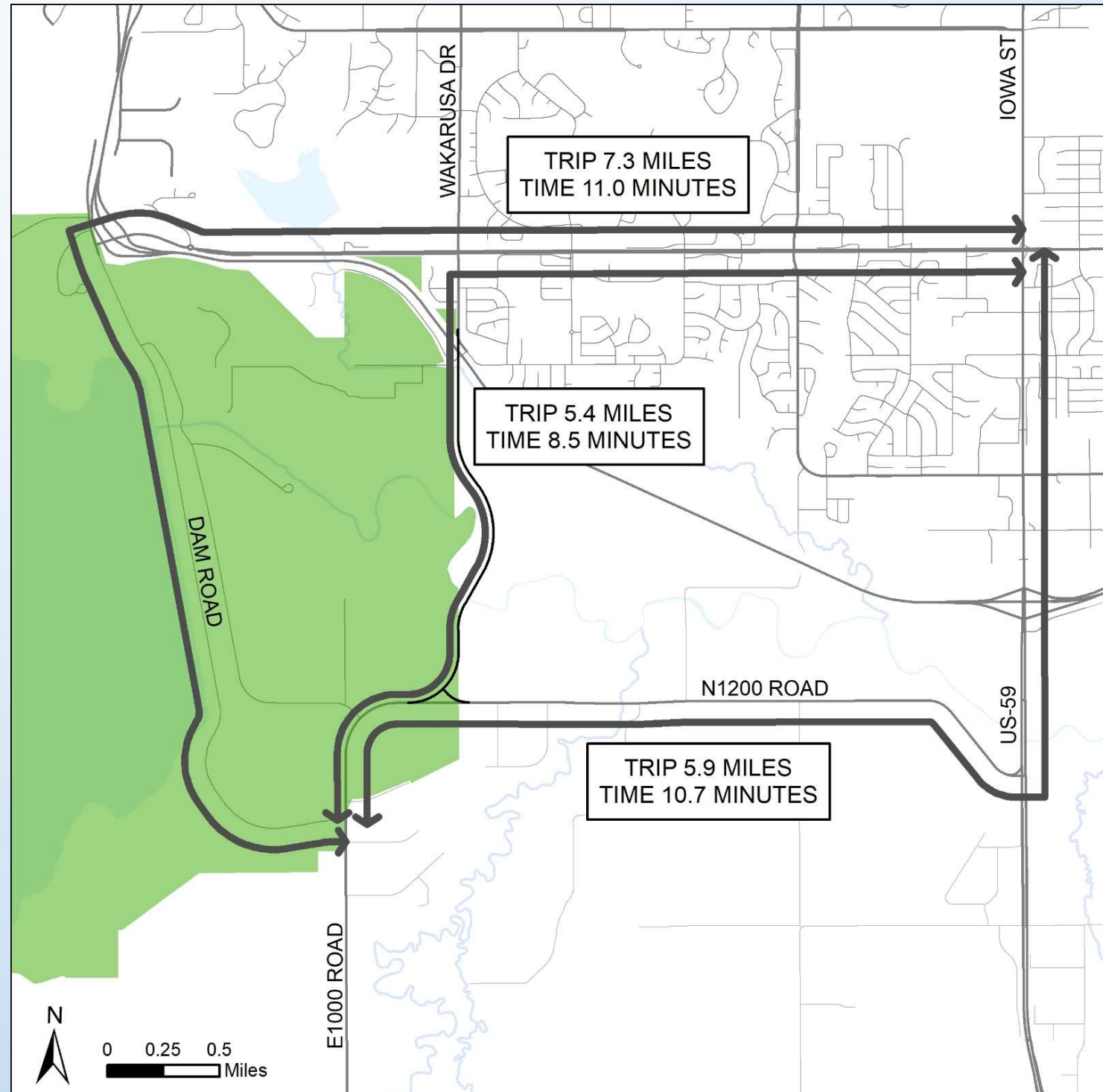
X 3,650 vehicles per day

Eliminates 1.6 million miles driven per year

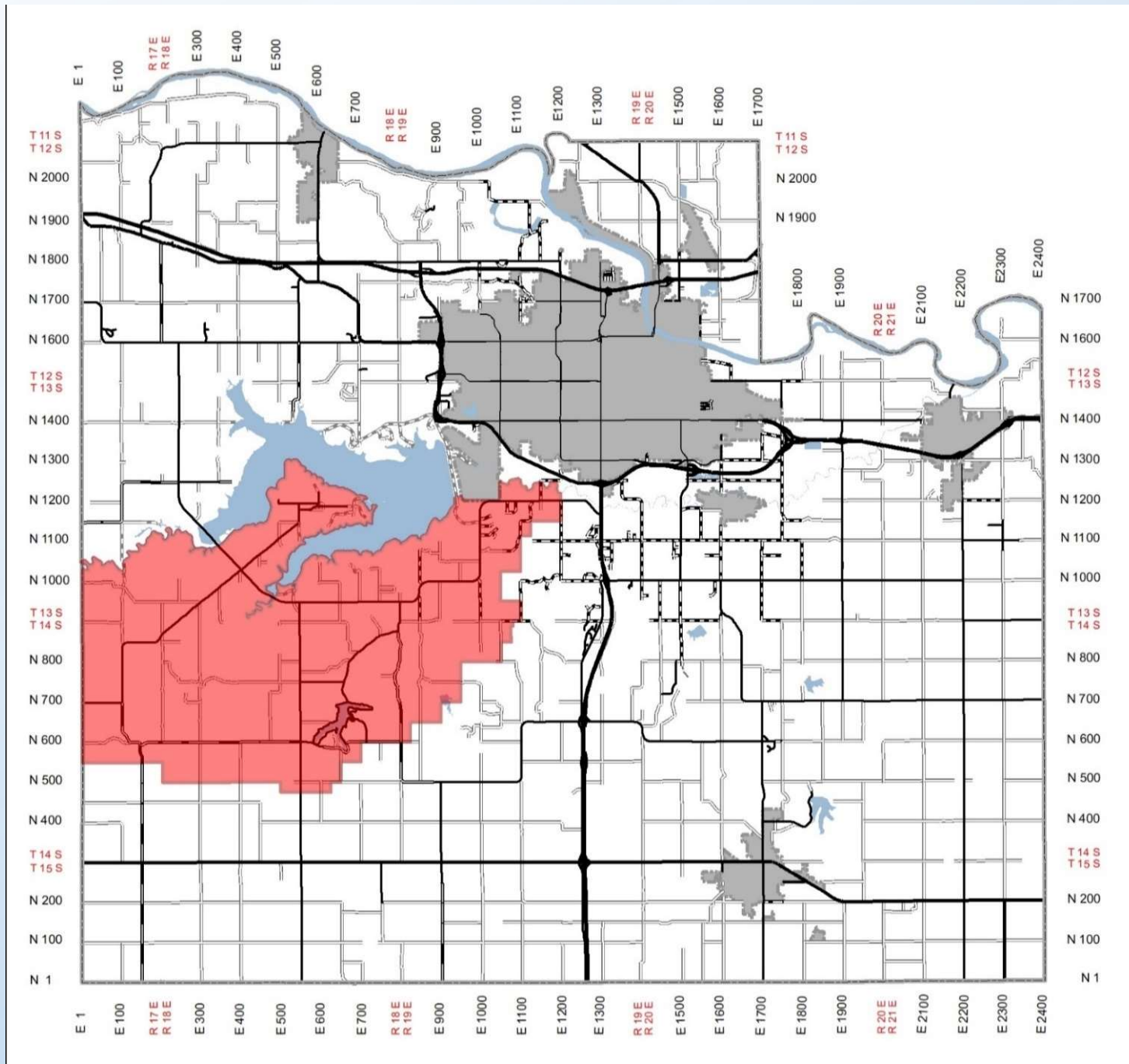
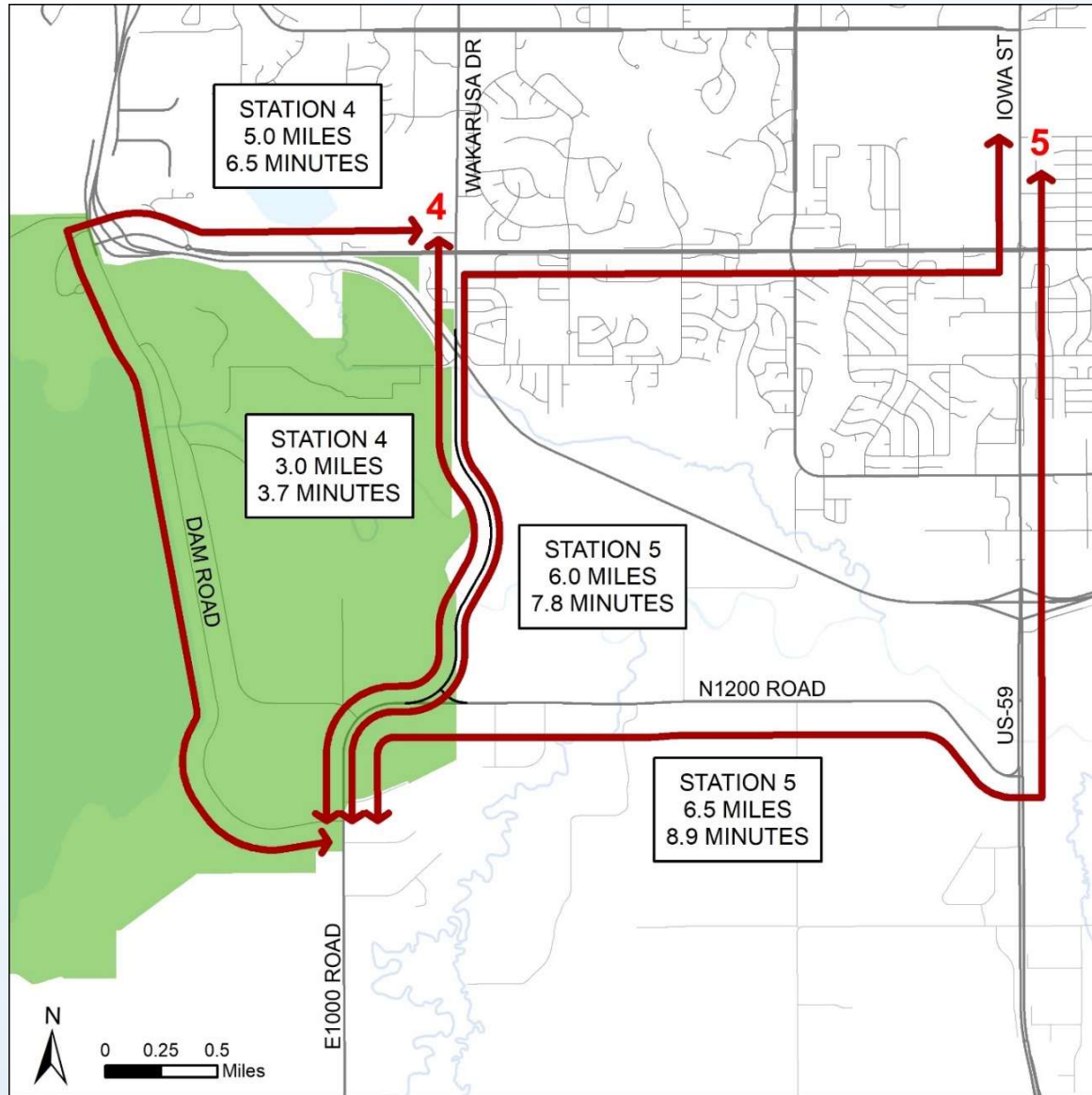
Average reduction 2.4 minutes per trip

X 3,650 vehicles per day

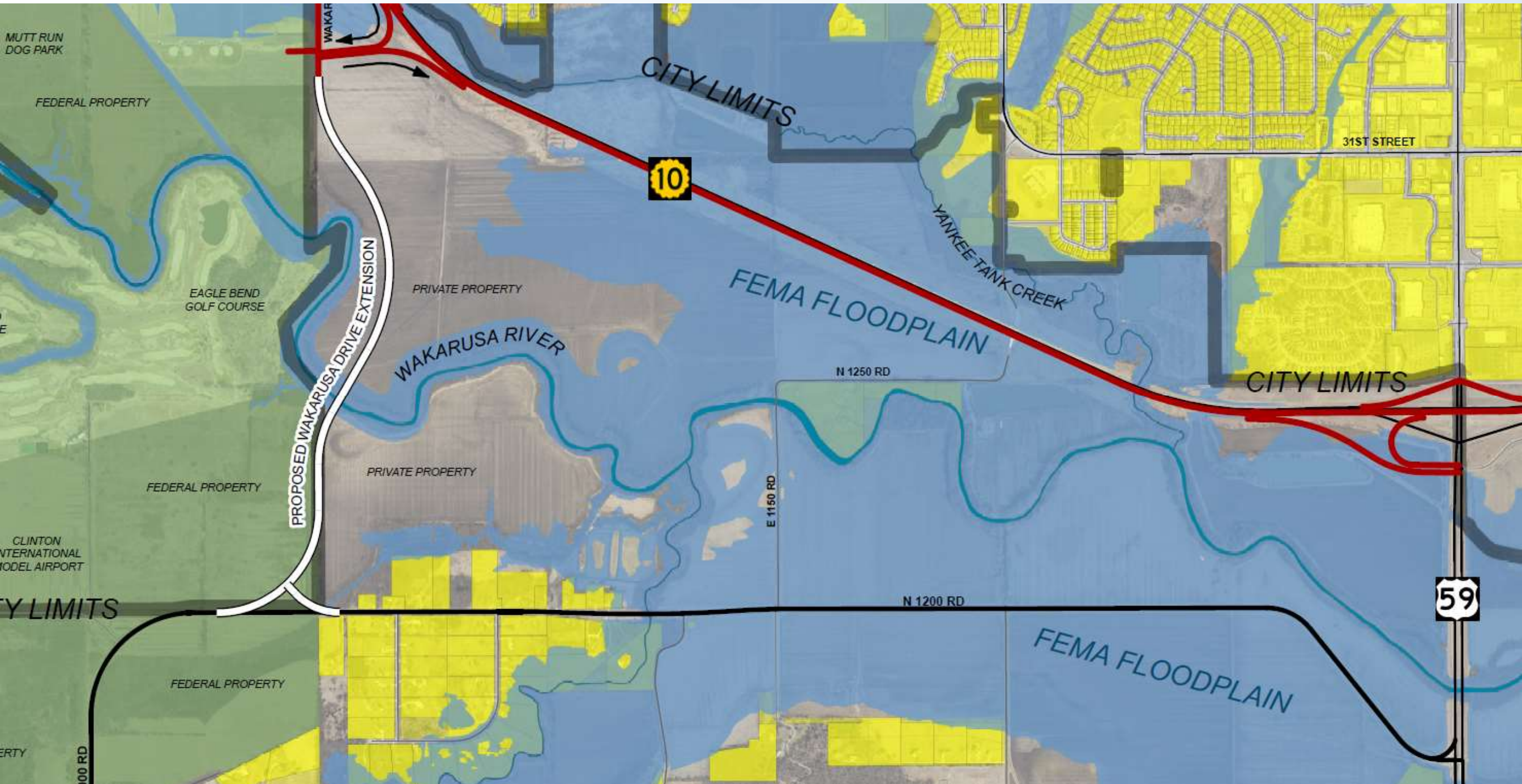
Eliminates 53,000 vehicle hours per year



IMPROVED FIRE AND MEDICAL RESPONSE



RELIABLE ACCESS DURING FLOOD EVENTS





N 1200 ROAD 8/1/2019

REDUCED TRAFFIC IN RECREATIONAL AREAS



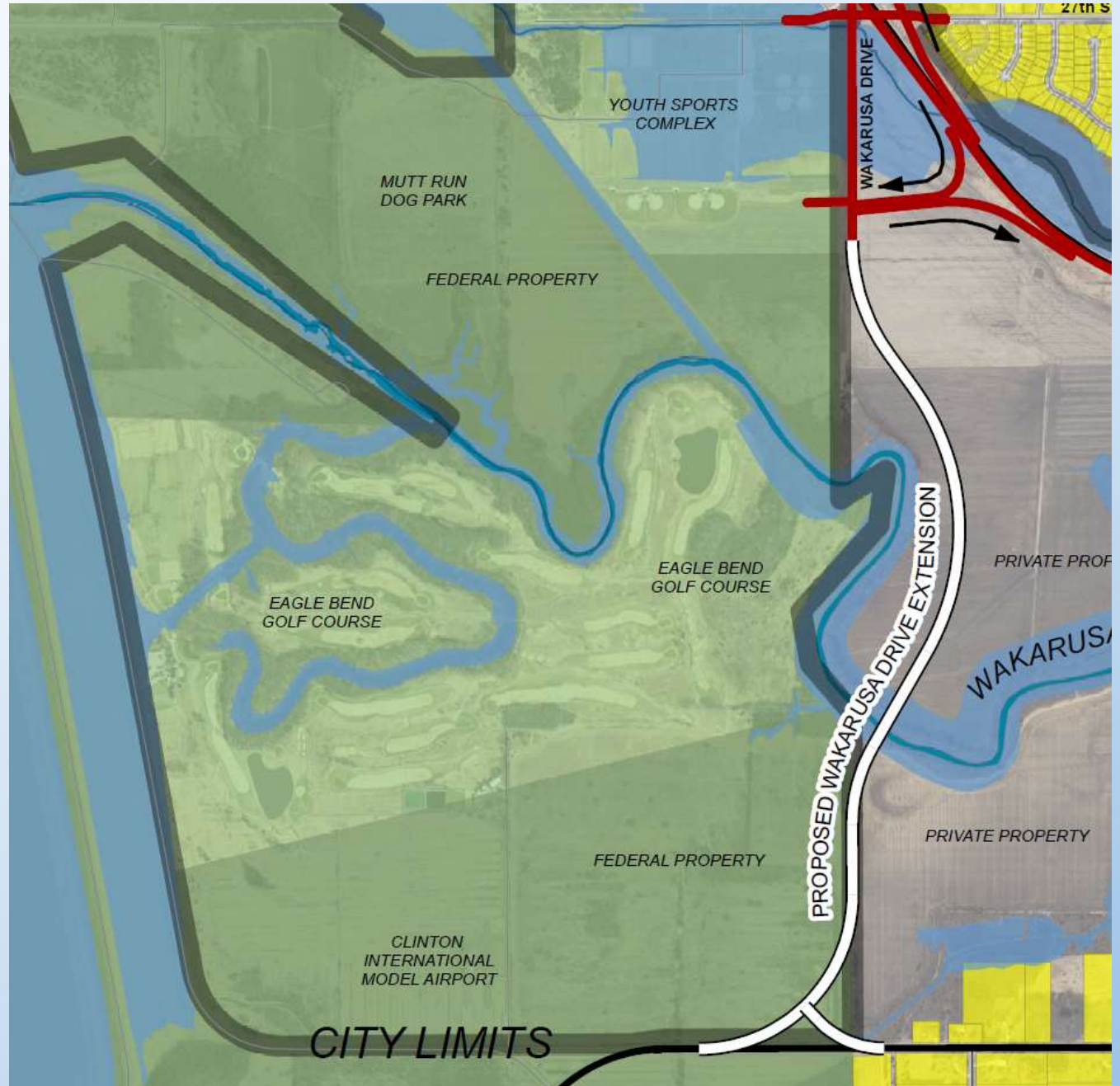
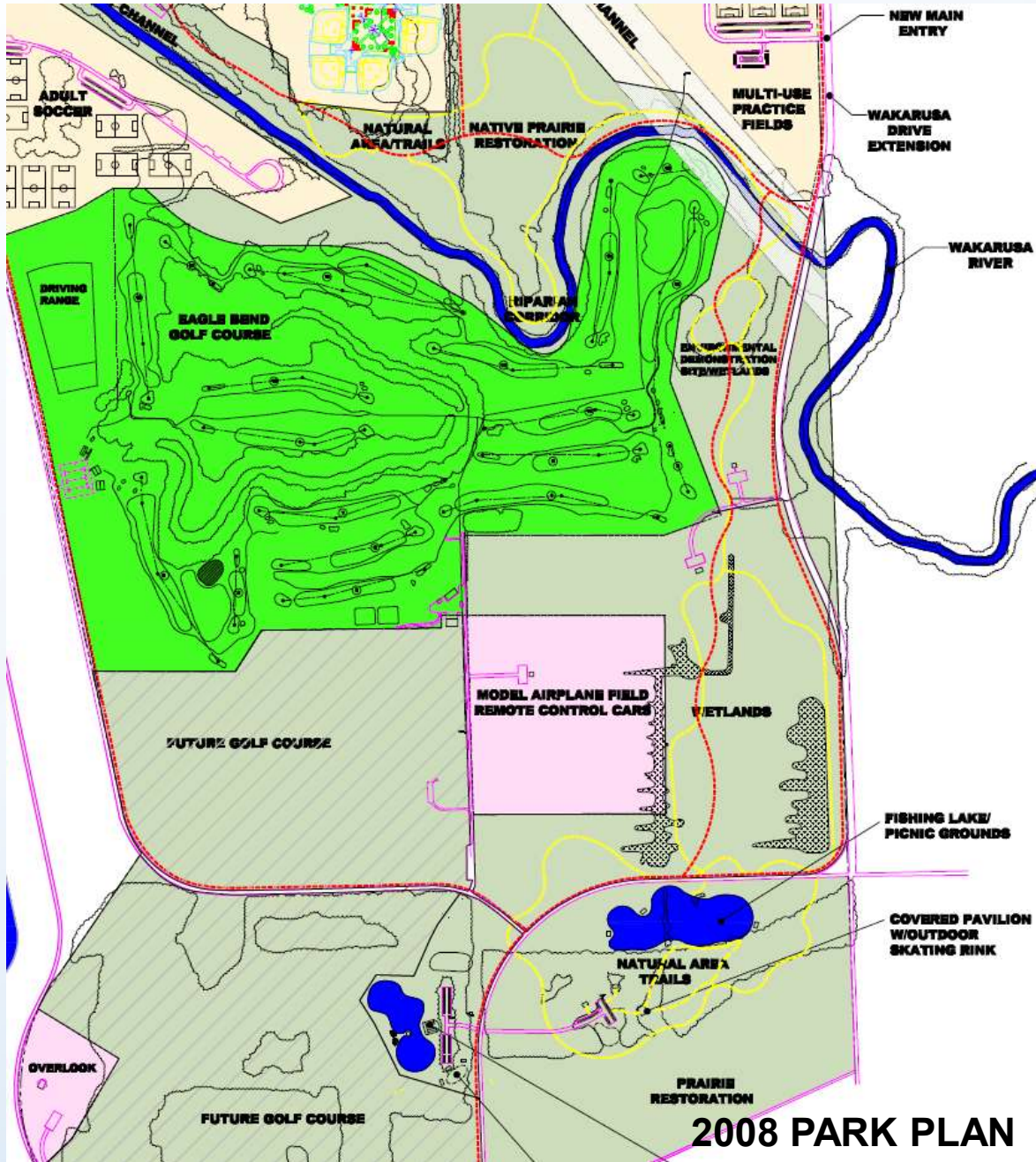


WEIGHT
LIMIT
20
TONS

SPEED
LIMIT
50

DAM ROAD LIMITATIONS

IMPROVED ACCESS TO CITY PARK FACILITIES



PROJECT BENEFITS

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- Improved fire and medical response
- Reliable access during flood events
- Reduced traffic in recreational areas
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- Reduced traffic in congested areas
- Improved access to city park facilities



ANTICIPATED ENVIRONMENTAL IMPACTS

Removal of trees

Removal of man-made wetlands near N1200 Road

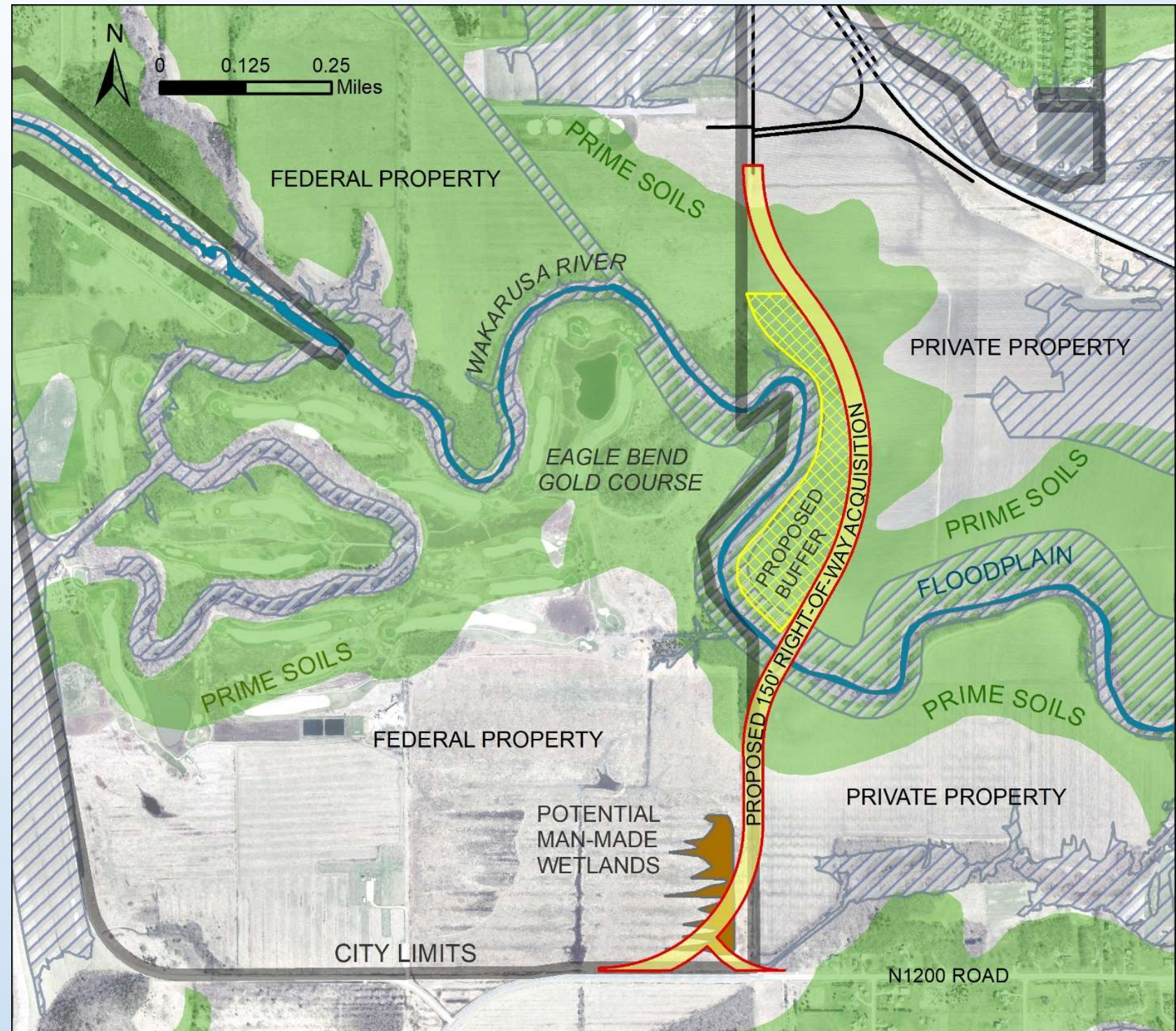
Removal of prime farmland

POTENTIAL ENVIRONMENTAL CONSERVATION

Buffer area along the river

Native prairie restoration areas

Coordination with city park plans



ENVIRONMENTAL REVIEW PROCESS

- Evaluate design options and preliminary plans
- Share preliminary plans with environmental review agencies
- Obtain permit determinations or impact determinations
- Modify the project design to address environmental factors
- Share modified plans with the public and discuss environmental concerns
- Incorporate comments and finalize project plans
- Submit formal environmental permit applications for approval
- Implement environmental conditions and restrictions during construction



ENVIRONMENTAL REVIEW AGENCIES

US Army Corps of Engineers

- Enforcement of the Clean Water Act
- Protection of Waters of the US
- Protection of Wetlands
- Affected landowner



Kansas Department of Health and Environment

- Pollution prevention
- Erosion and sediment control



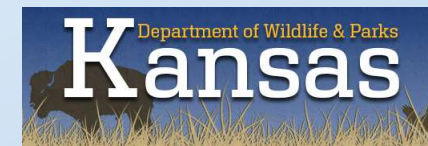
Kansas Department of Agriculture, Division of Water Resources

- Floodplain management
- Stream crossings



Kansas Department of Wildlife and Parks

- Represent the USFWS
- Protection of threatened and endangered species
- Protection of critical habitat areas



Kansas State Historical Society

- Protection of cultural and historic resources



ESTIMATED PROJECT COSTS

	WAKARUSA DRIVE 1.4 MILES	WAKARUSA RIVER BRIDGE	SHARED USE PATH 2 MILES
DESIGN (2023)	\$250,000	\$280,000	\$70,000
RIGHT-OF-WAY	\$200,000	\$30,000	\$20,000
CONSTRUCTION ADMIN	\$300,000	\$150,000	\$25,000
CONSTRUCTION (2025)	\$3,200,000	\$3,500,000	\$985,000
TOTAL 2023-2026	\$3,950,000	\$3,960,000	\$1,100,000

DEVELOPMENT POTENTIAL

Will the road lead to city annexation and urban development?

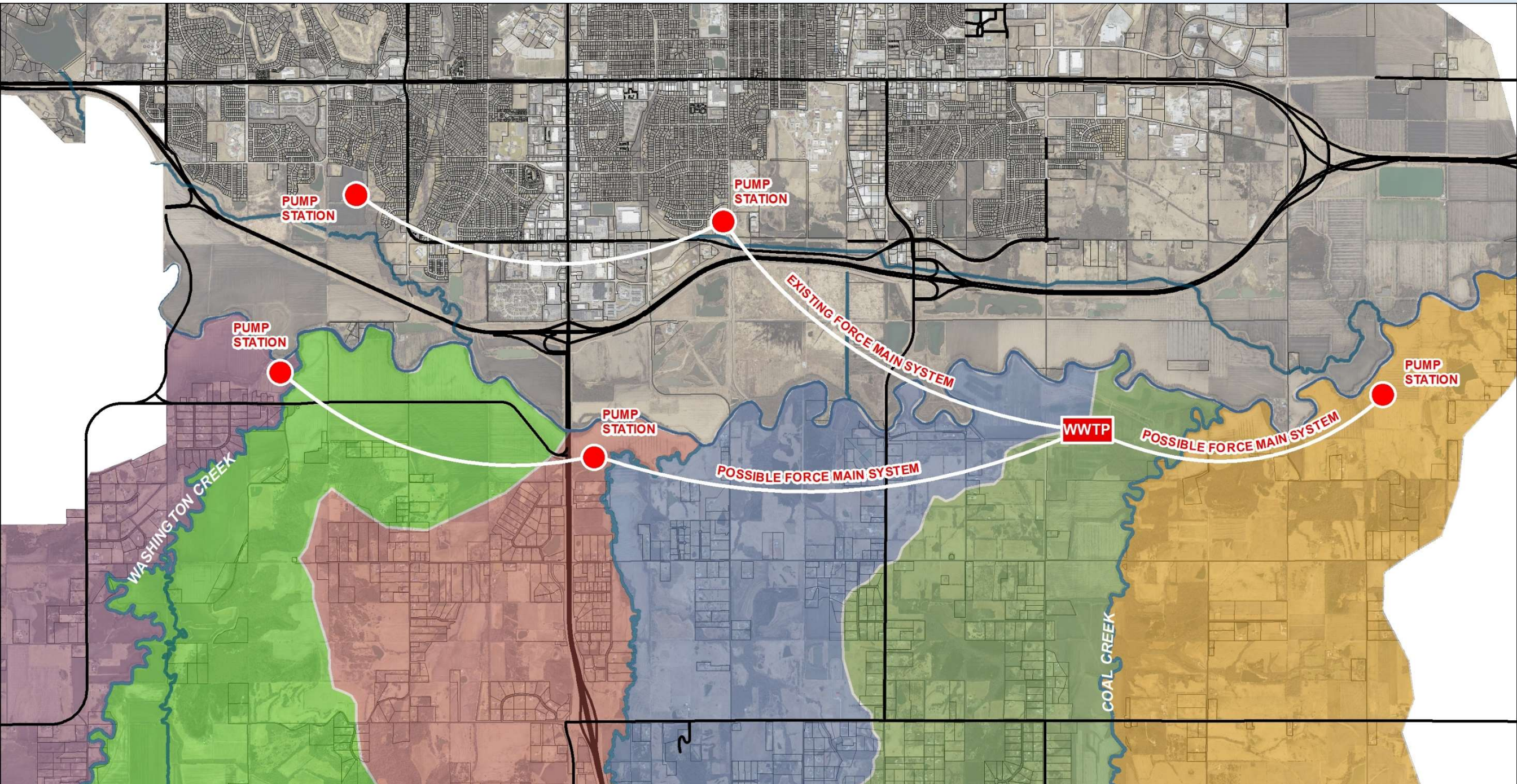
Urban expansion will be limited by the wastewater collection system

Will the road lead to increased rural development?

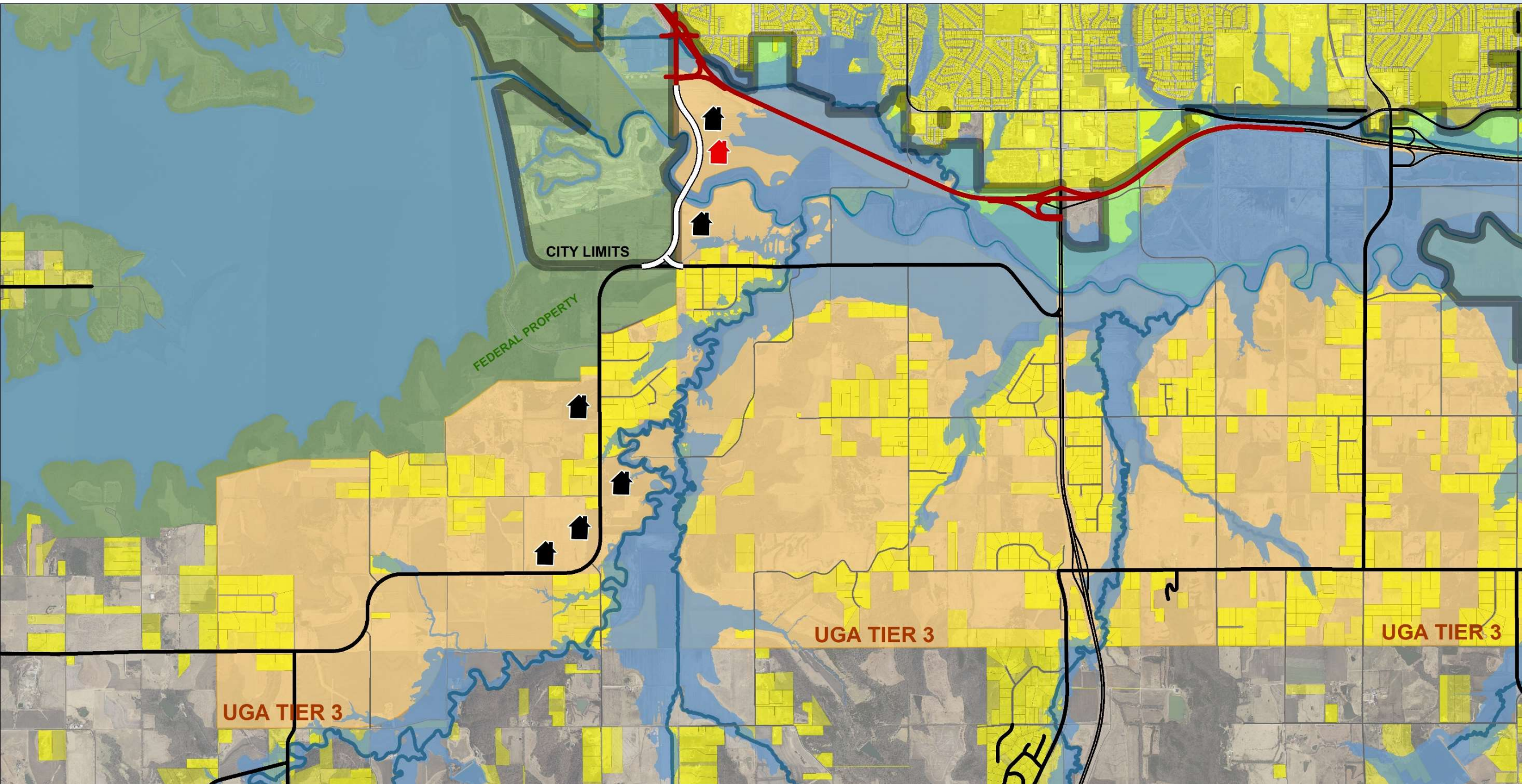
The proposed road creates frontage for one additional house



FUTURE CITY ANNEXATION POTENTIAL



RURAL DEVELOPMENT STANDARDS



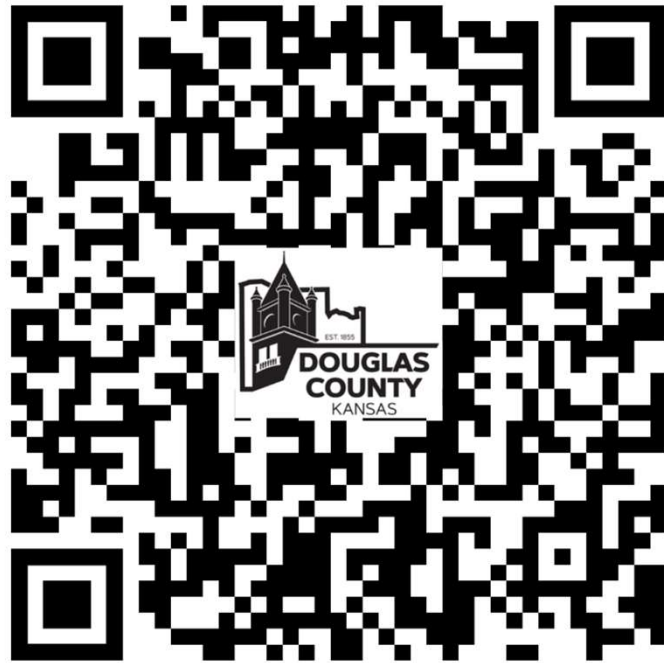
ROUNDTABLE DISCUSSIONS

Focus questions

- What are your questions about the project?
- What benefits and solutions does this project address?
- What are the biggest concerns about this project?
- What other perspectives or information are needed to inform this process?



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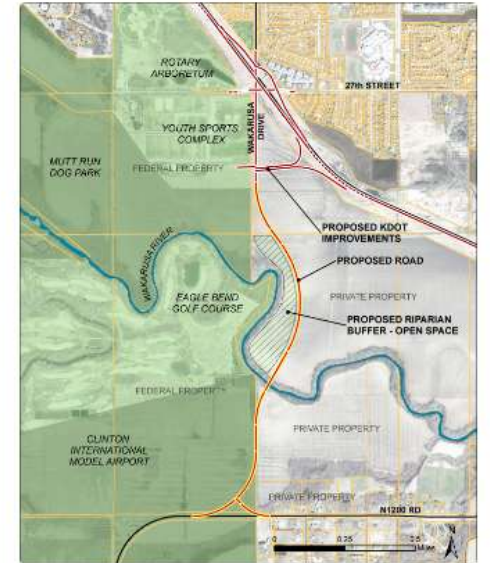
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