

WELCOME!

PUBLIC MEETING OPEN HOUSE

For the I-29 Exit 86 Renner/Crooks Interchange and Environmental Study

We want to hear from you!

There are several ways you can stay involved and provide your feedback on the project:

- Submit a written comment card and leave in the comment box tonight
- Submit a written comment by mail or email by **Wednesday, Jan. 29, 2025**
- Speak with project staff and share your feedback tonight
- View project information and announcements on the project website: <https://www.i29exit86.com>

Project
Partners

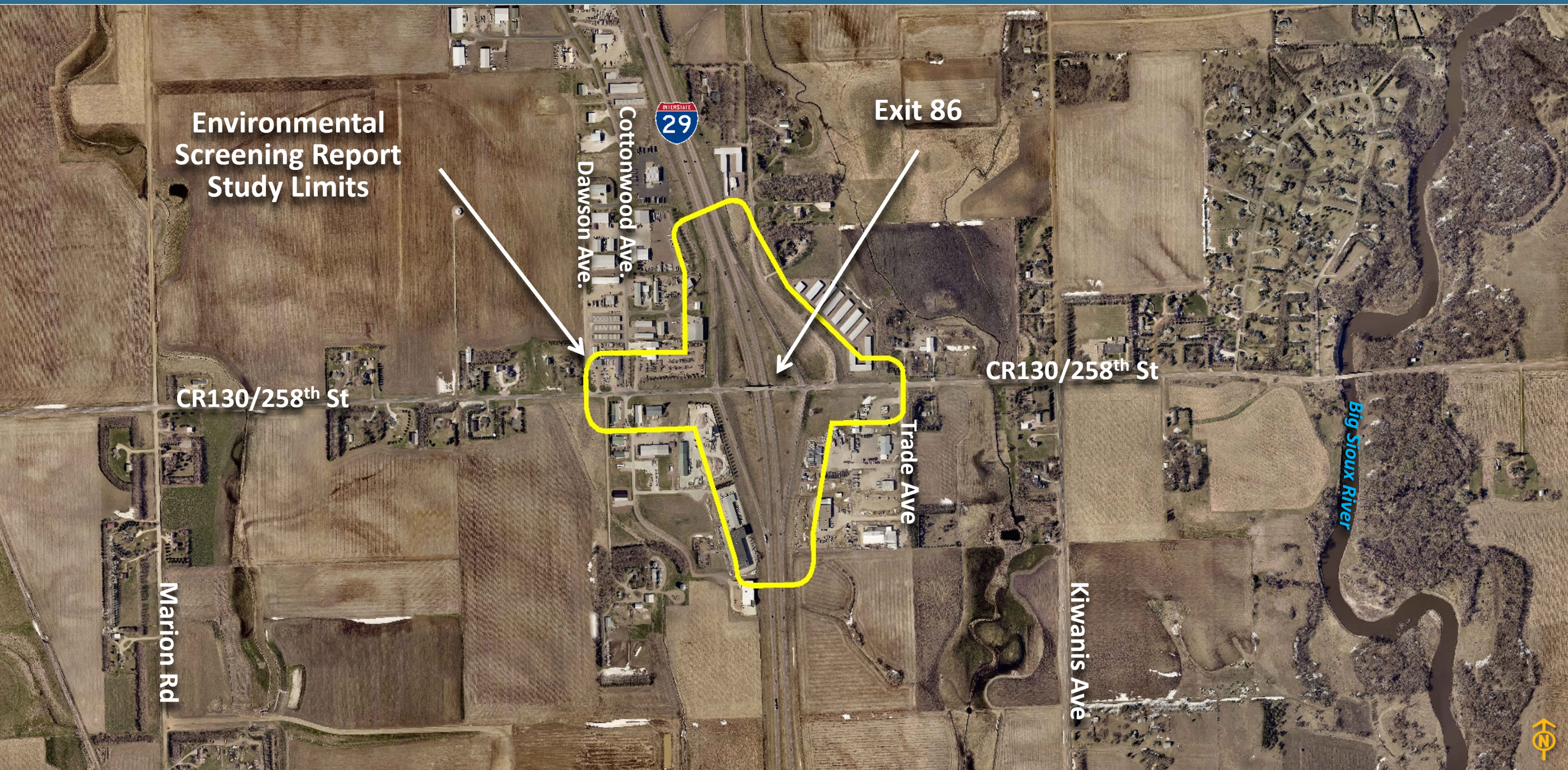


Consultant
Team



PROJECT AREA

I-29 Exit 86 Renner/Crooks Interchange



2020 DECENNIAL STUDY (DS)

COMPLETED IN JUNE 2021

PUBLIC MEETING #1

JULY 27, 2022

PUBLIC MEETING #2

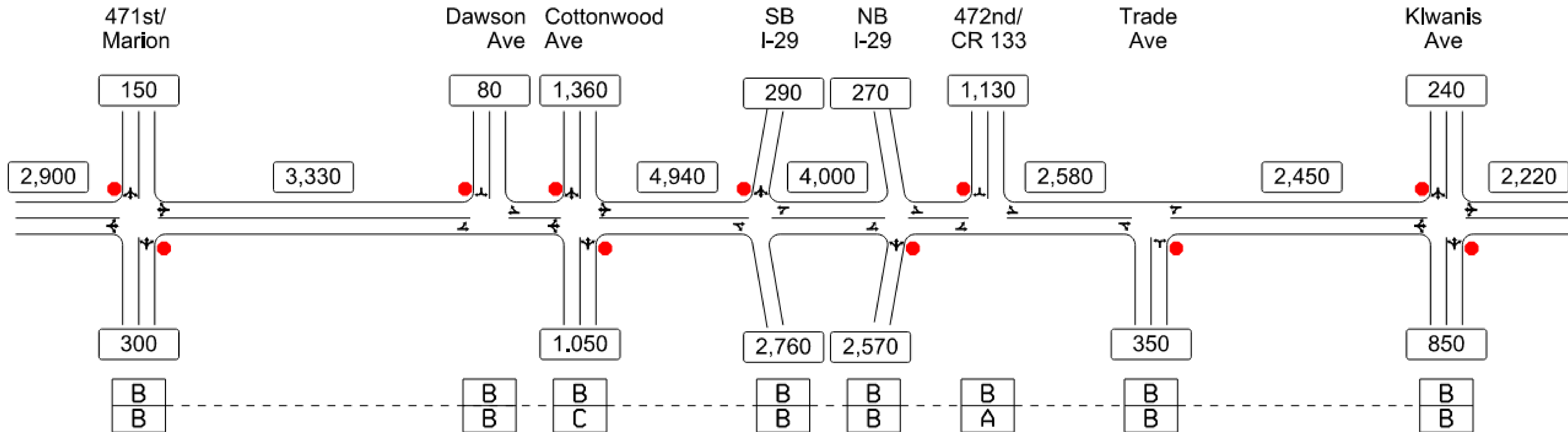
JANUARY 15, 2025

HOW IS THE CORRIDOR PERFORMING?

I-29 Exit 86 Renner/Crooks Interchange

Existing 2022 Conditions

Intersection Spacing:



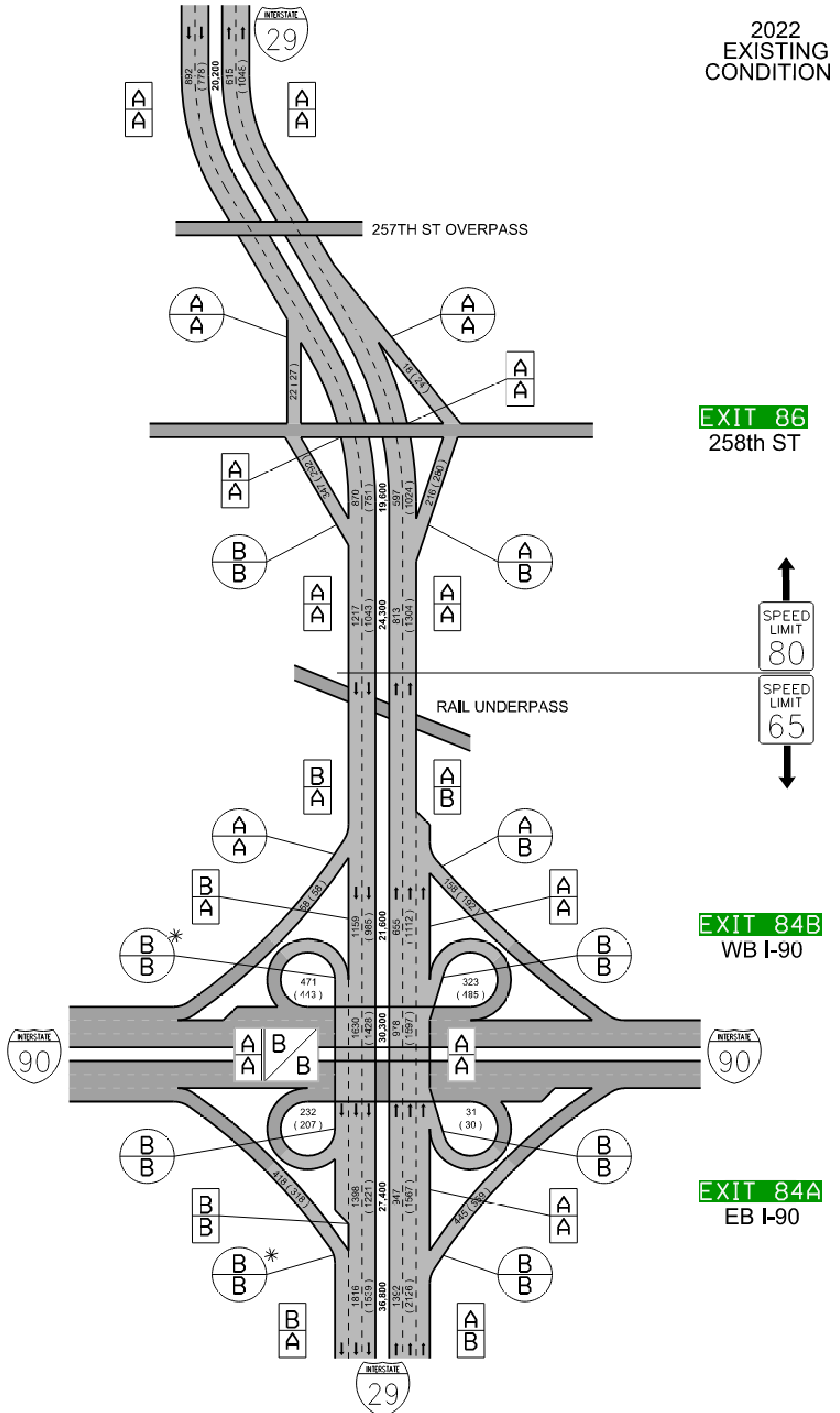
A AM/PM Peak Hour
A Two-Way Stop Worst Approach LOS

XXX 2022 ESTIMATED DAILY TRAFFIC

*DESIGNS NOT TO SCALE
 GENERIC REPRESENTATION OF LANES

HOW IS THE CORRIDOR PERFORMING?

I-29 Exit 86 Renner/Crooks Interchange

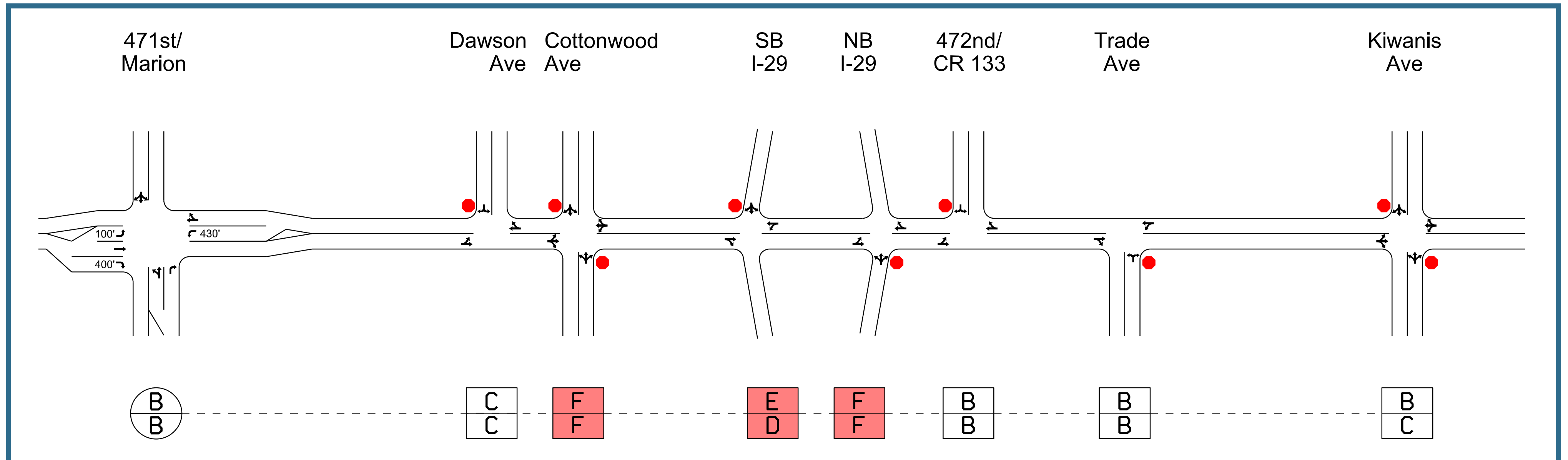


TRAFFIC ANALYSIS (2030)

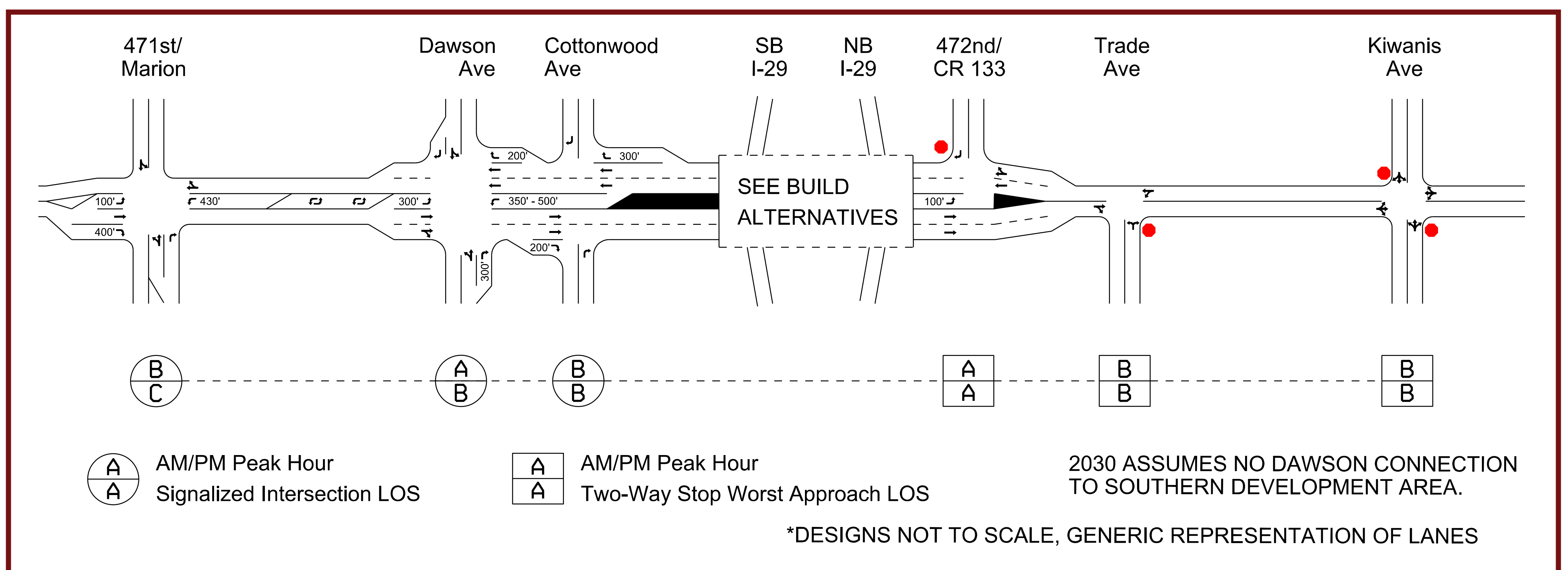
I-29 Exit 86 Renner/Crooks Interchange

258th Street – Intersection LOS Summary

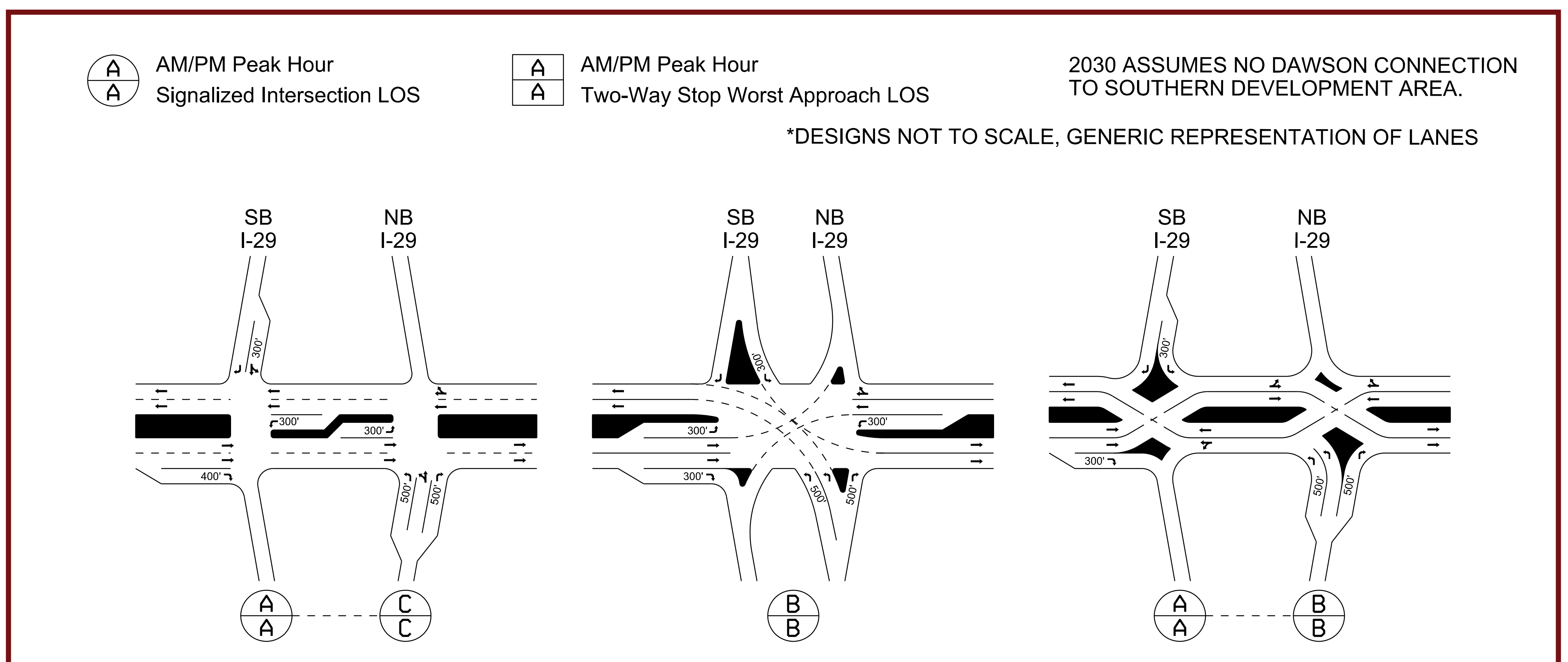
2030 No-Build



2030 Build



Build Alternatives

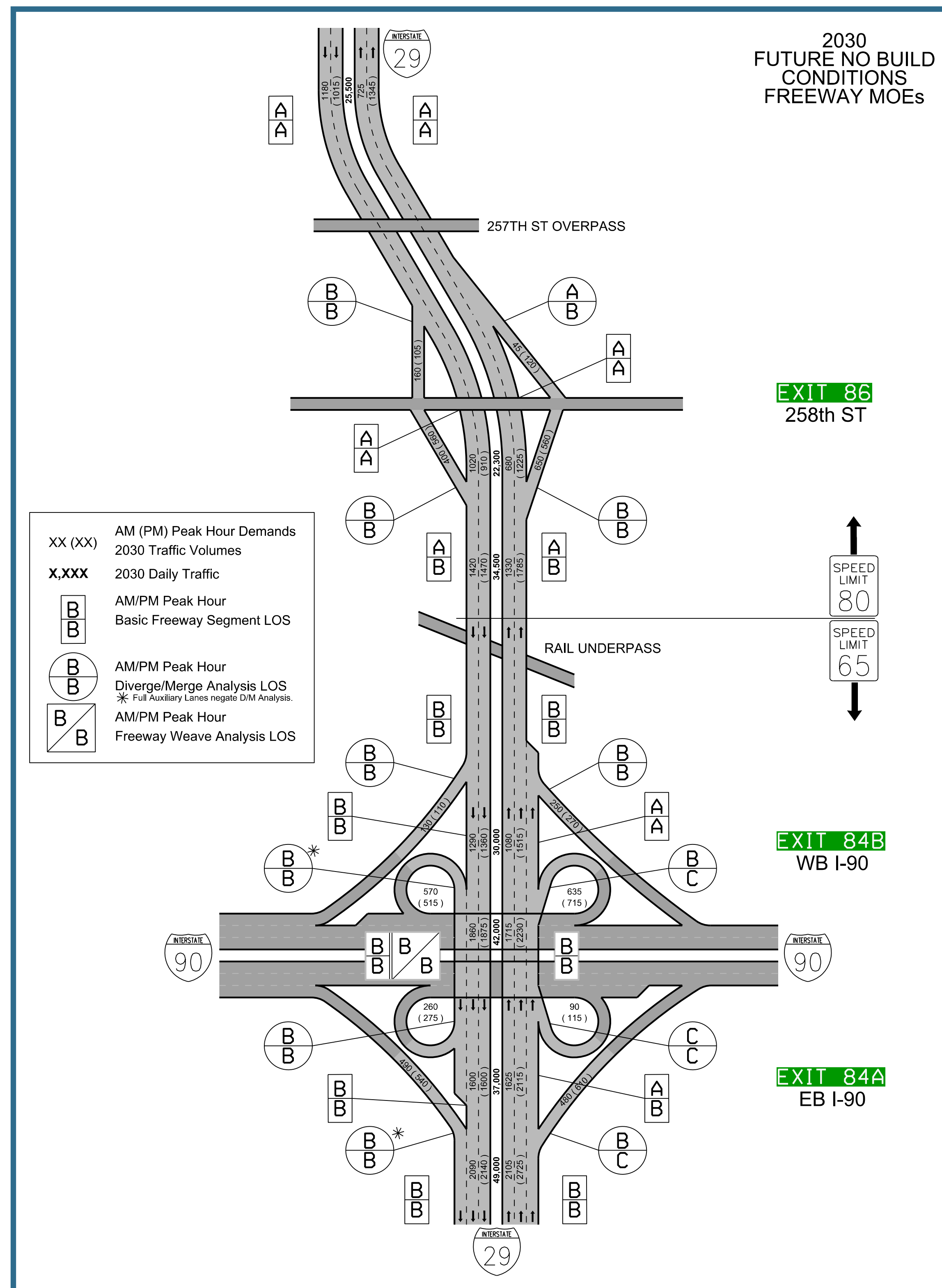


TRAFFIC ANALYSIS (2030)

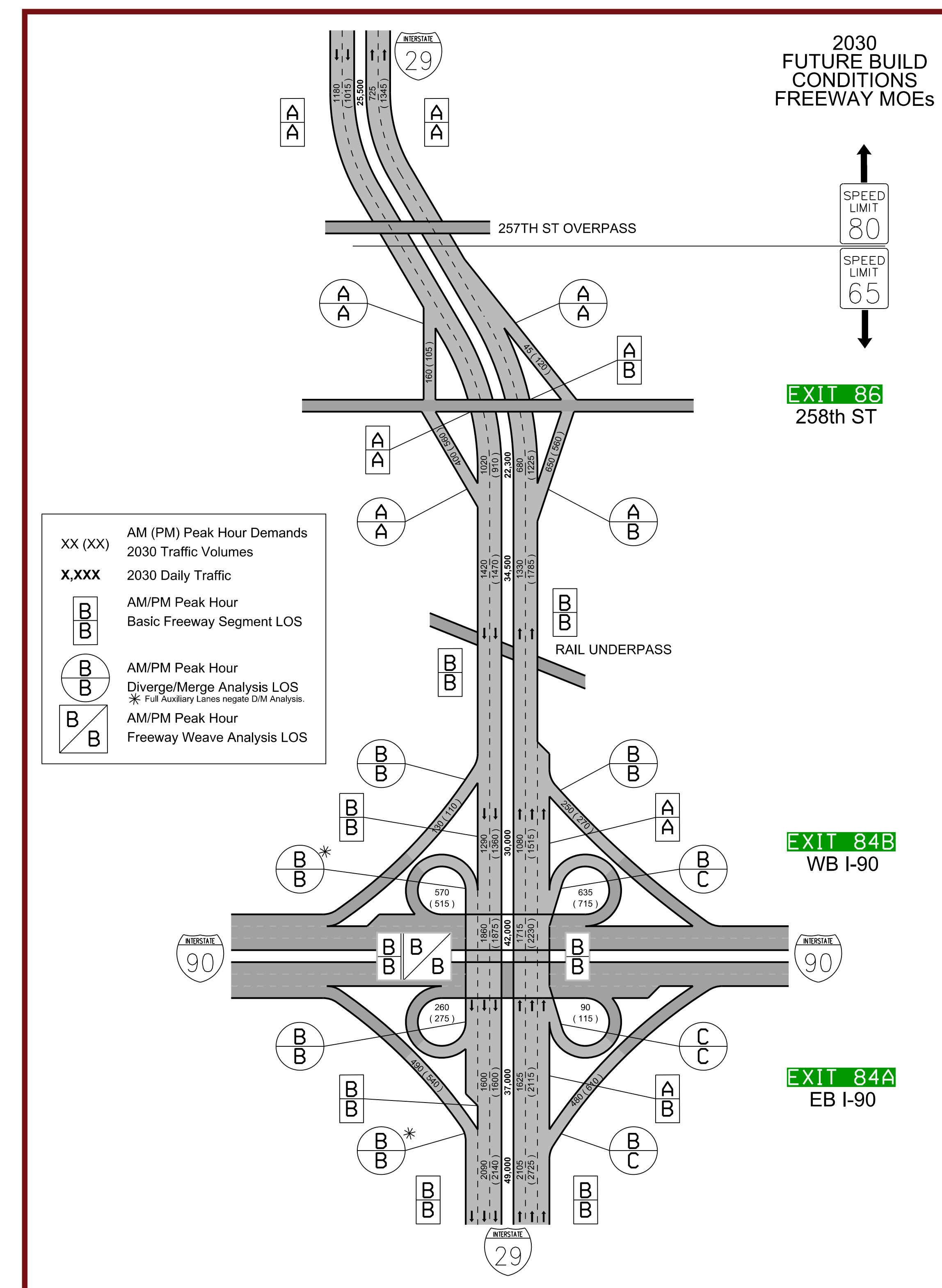
I-29 Exit 86 Renner/Crooks Interchange

Interstate 29 Mainline LOS Summary

2030 No-Build



2030 Build

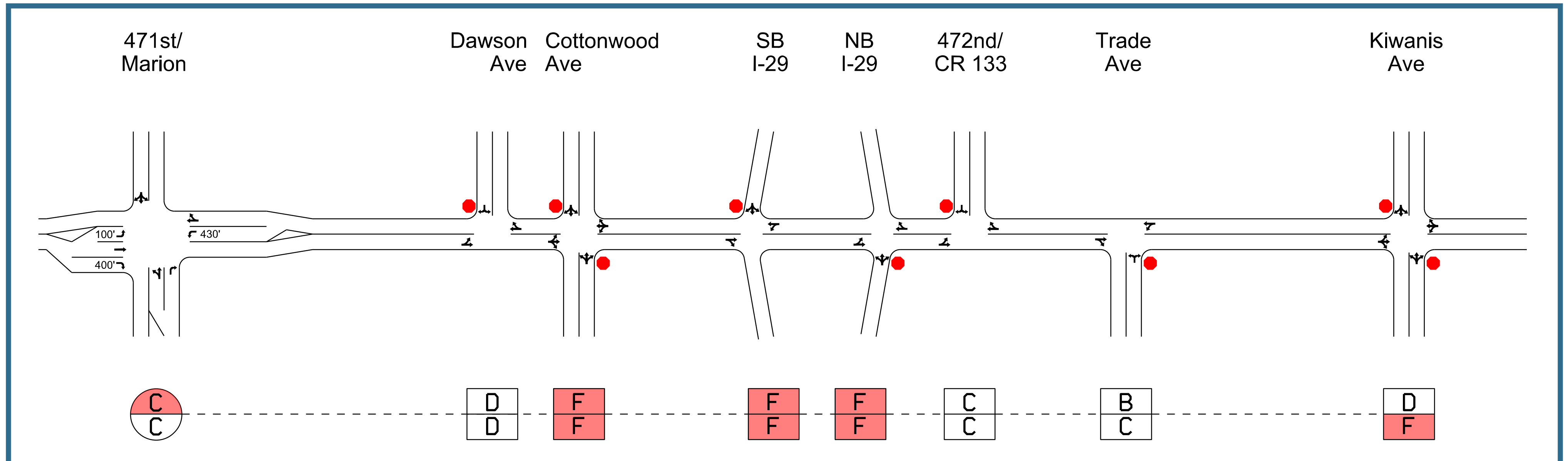


TRAFFIC ANALYSIS (2050)

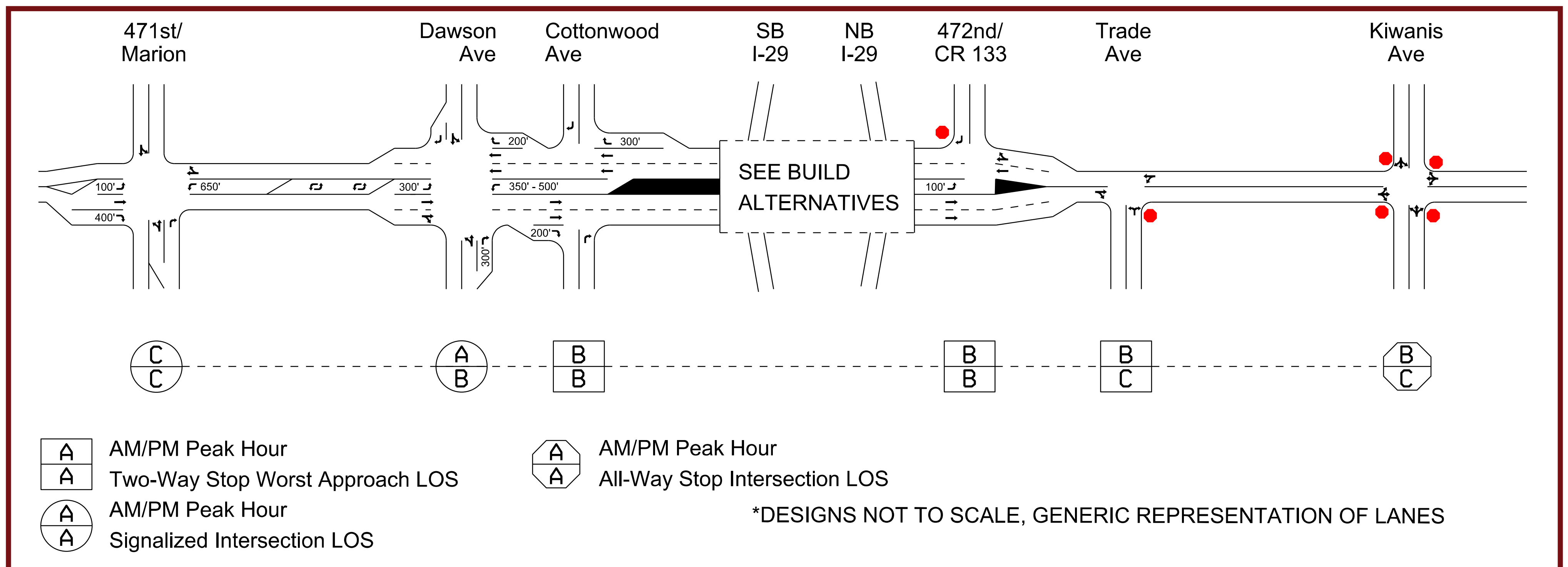
I-29 Exit 86 Renner/Crooks Interchange

258th Street – Intersection LOS Summary

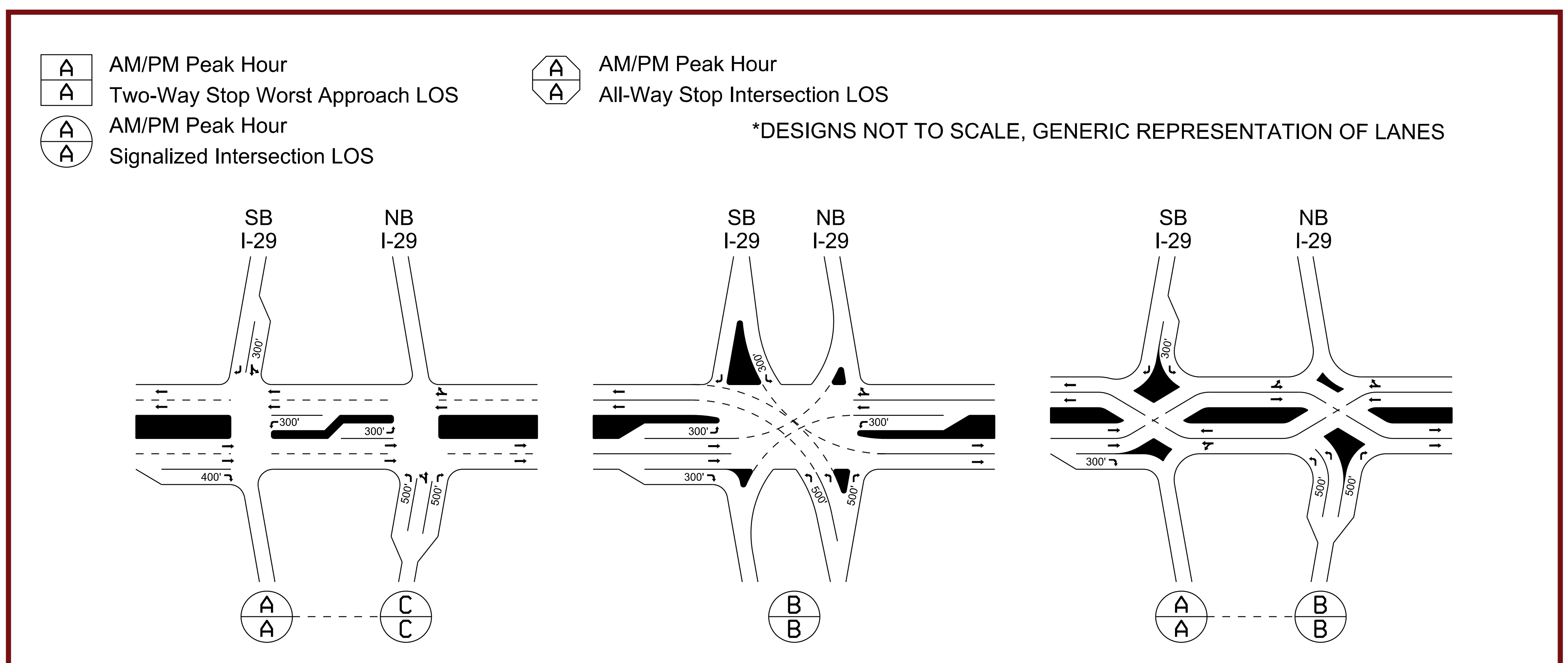
2050 No-Build



2050 Build



Build Alternatives

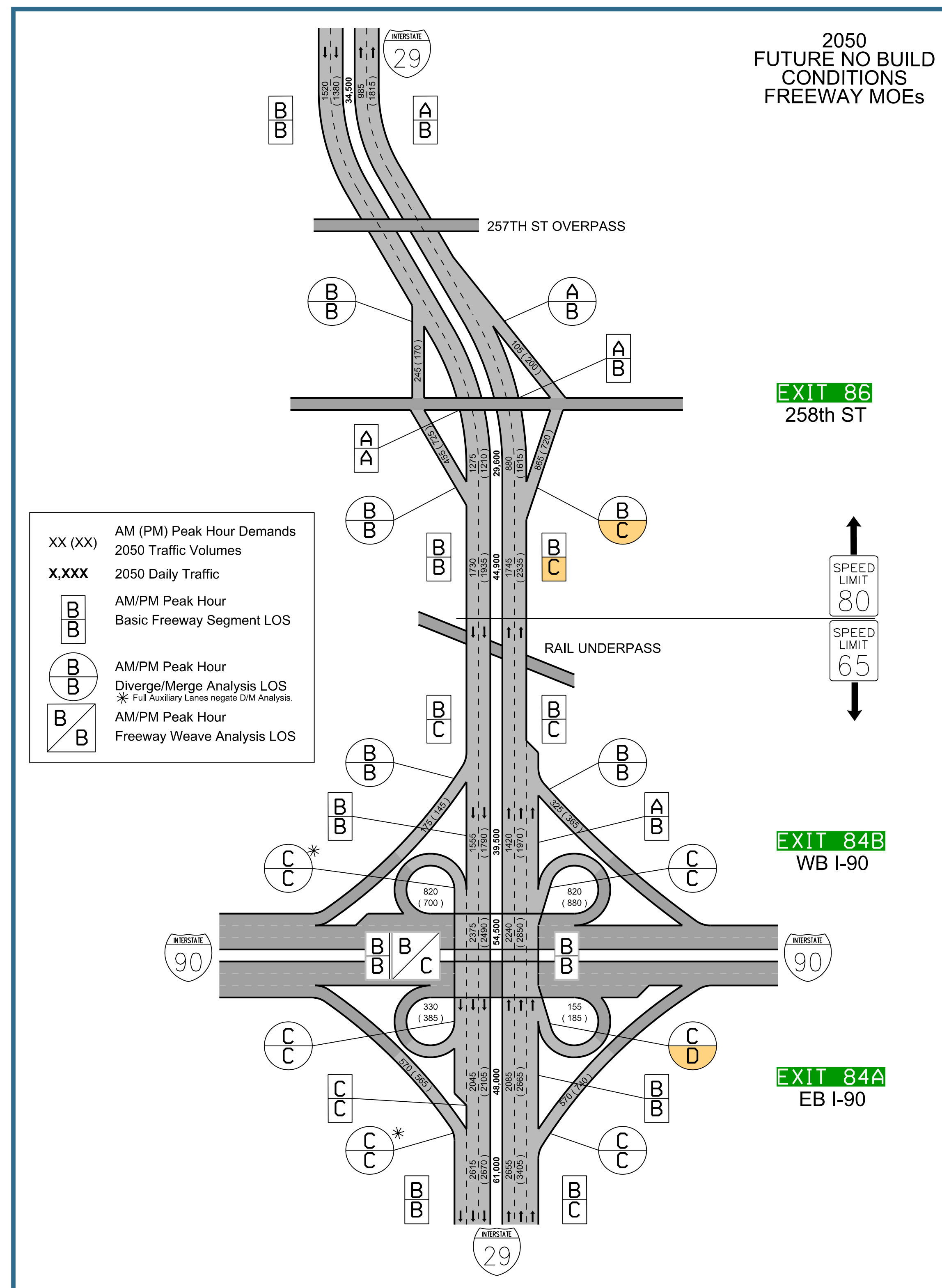


TRAFFIC ANALYSIS (2050)

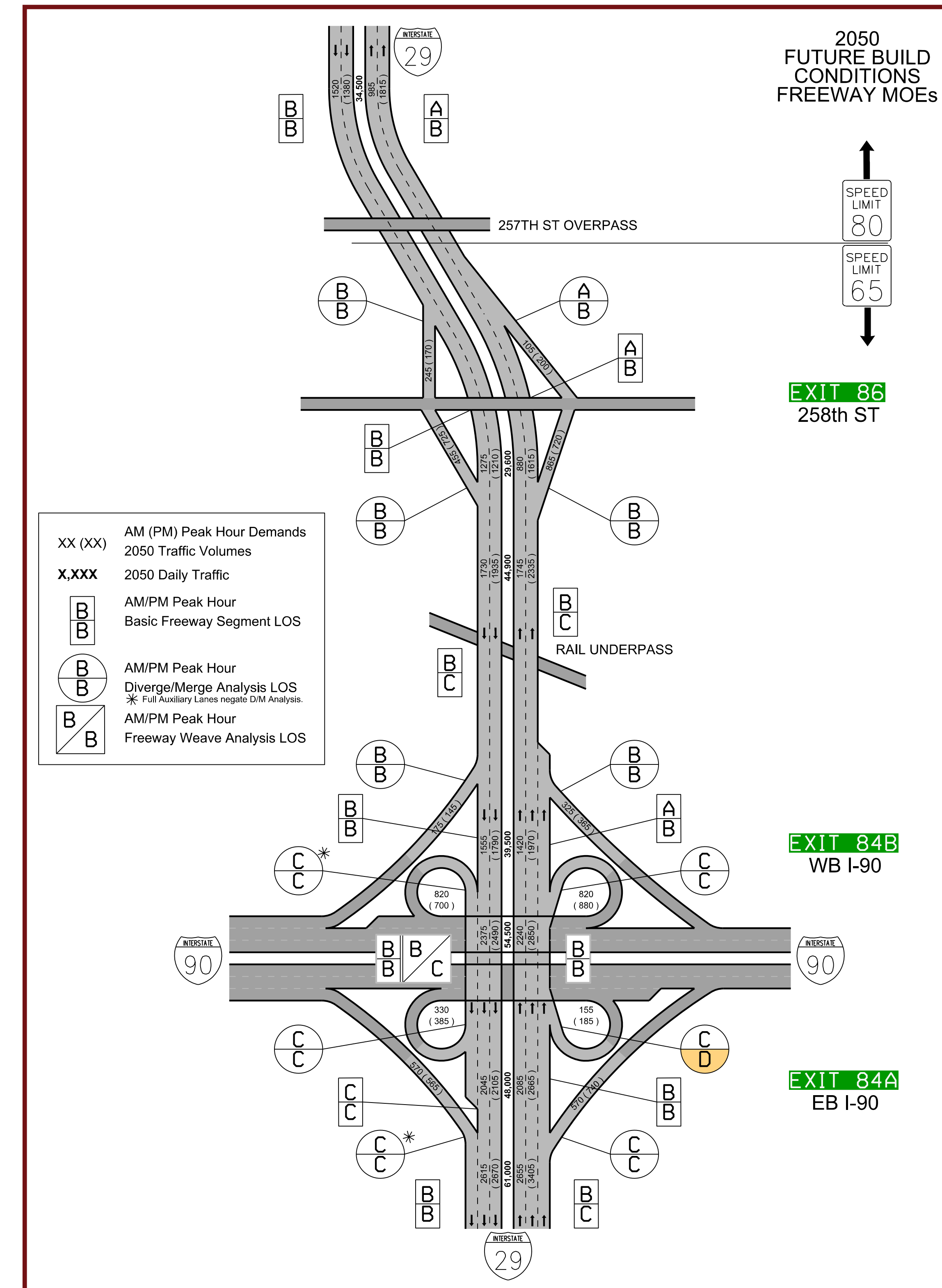
I-29 Exit 86 Renner/Crooks Interchange

I-29 Mainline LOS Summary

2050 No-Build



2050 Build



NO-BUILD ALTERNATIVE

I-29 Exit 86 Renner/Crooks Interchange

No-Build (Existing Conditions)

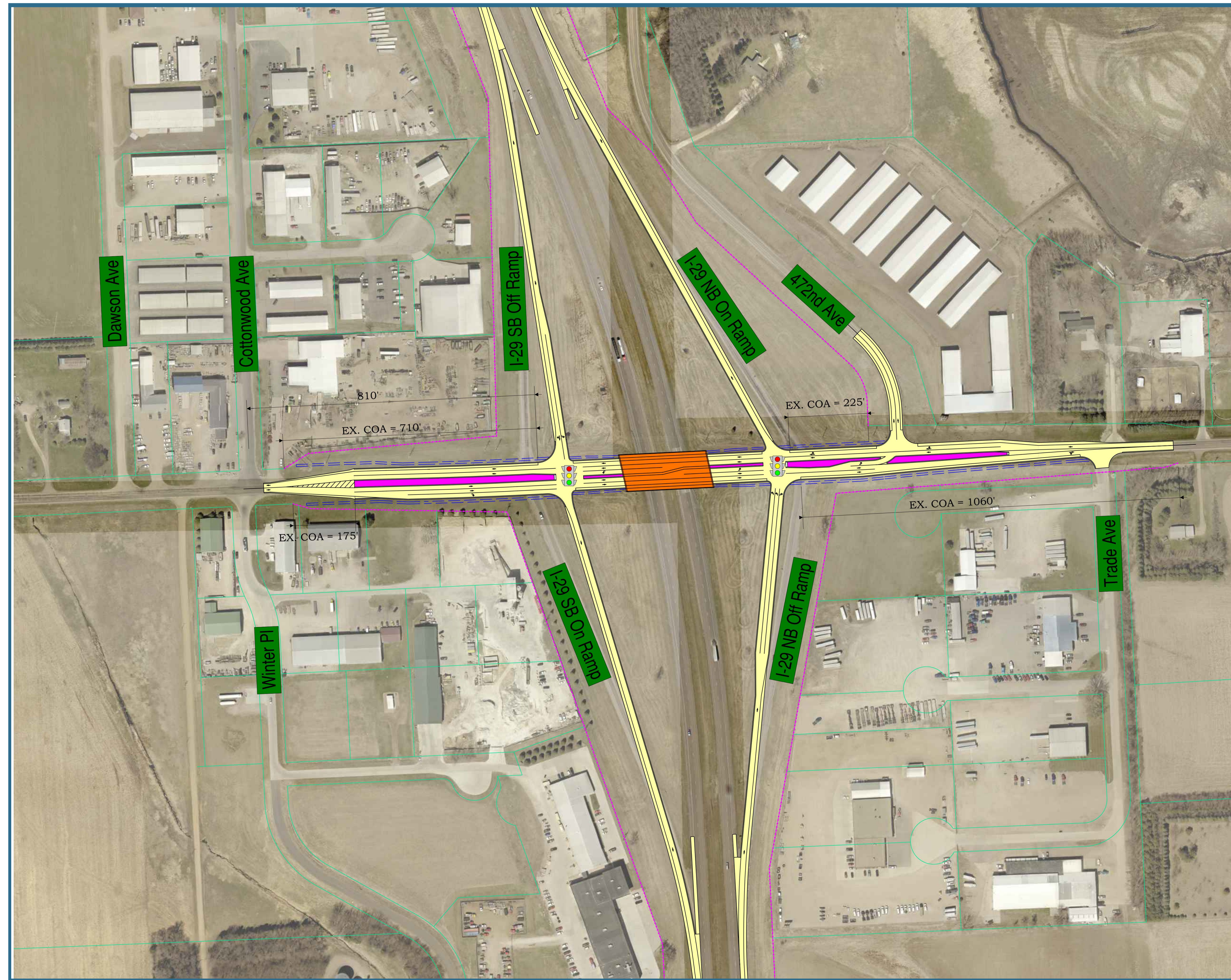
No interchange improvements would be constructed at I-29 Exit 864



BUILD ALTERNATIVE | ALTERNATIVE 1

I-29 Exit 86 Renner/Crooks Interchange

Recommended Alternative: Standard Diamond Interchange

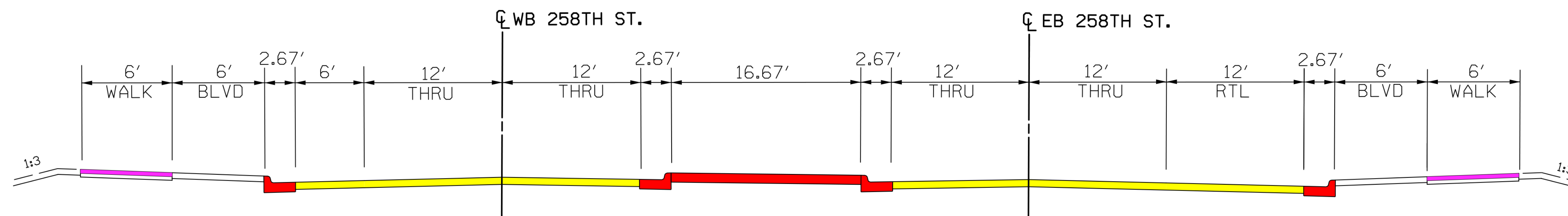


BUILD ALTERNATIVE | ALTERNATIVE 1

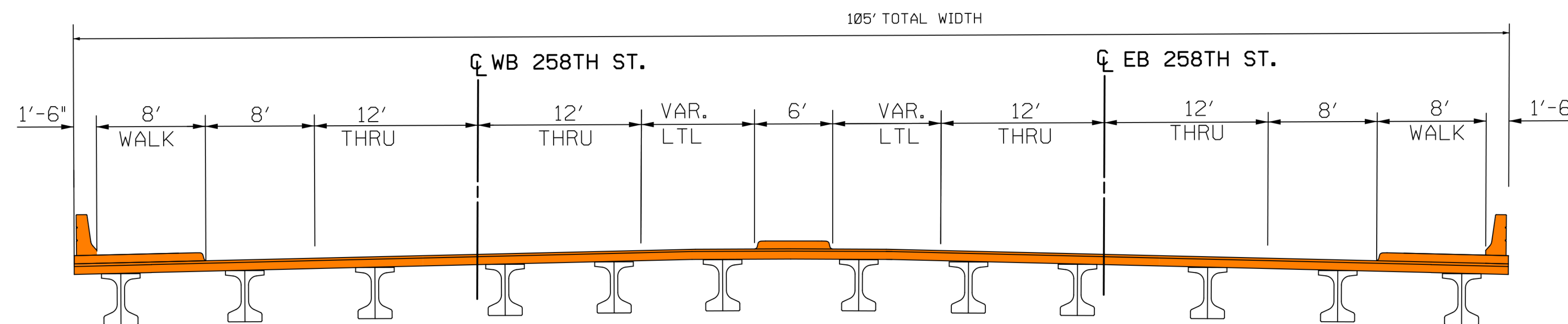
I-29 Exit 86 Renner/Crooks Interchange

Recommended Alternative: Typical Roadway Sections

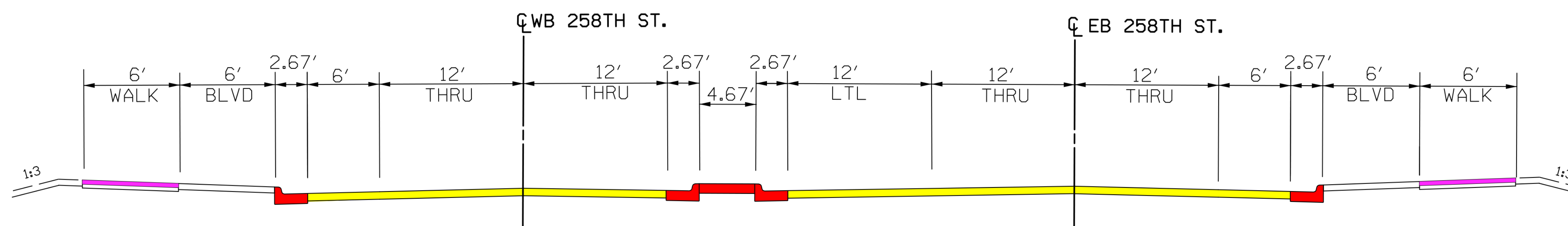
258TH ST. WEST OF THE RAMPS



258TH ST. ON BRIDGE
(DIAMOND ALTERNATIVE)



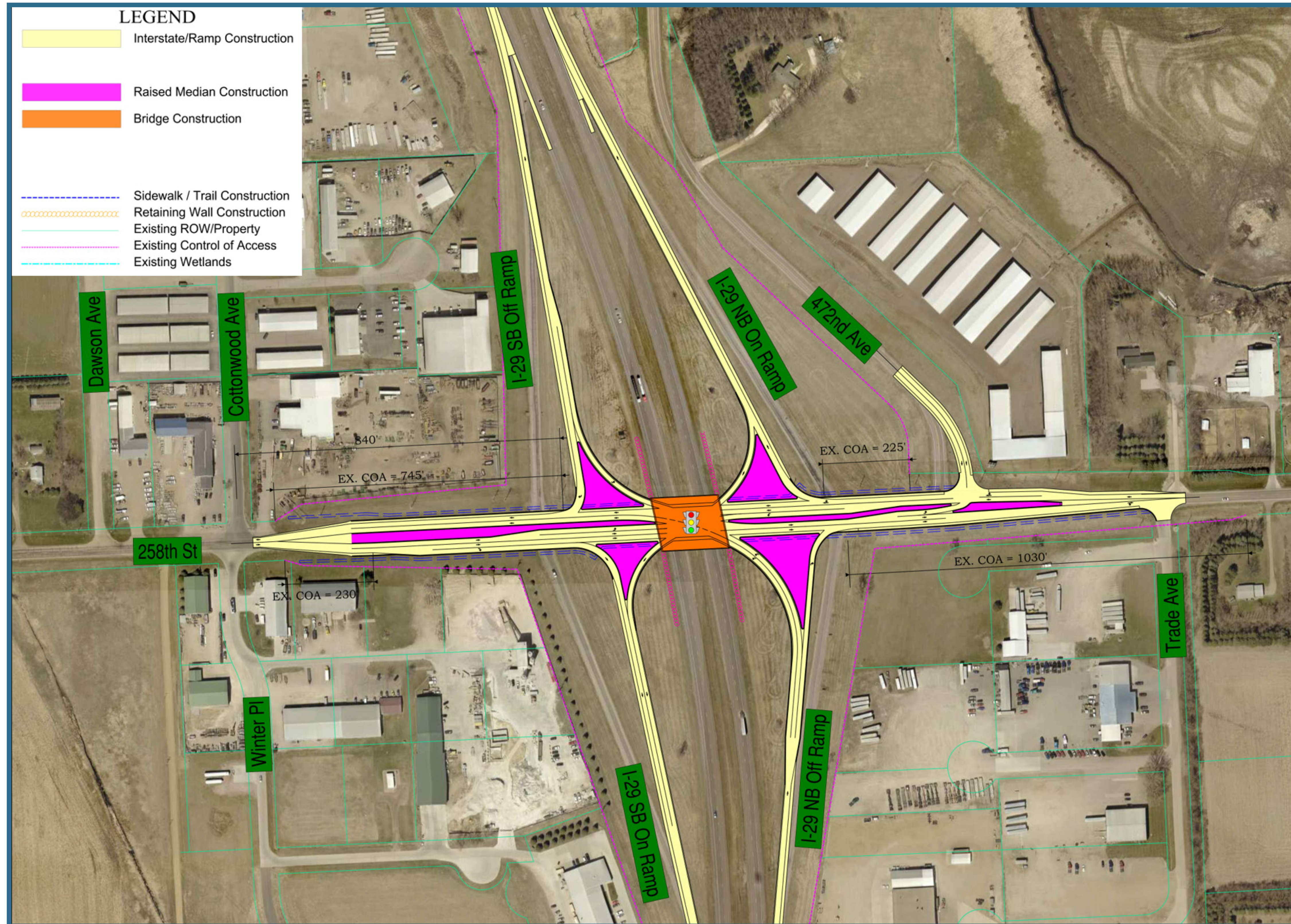
258TH ST. EAST OF THE RAMPS



BUILD ALTERNATIVE | ALTERNATIVE 2

I-29 Exit 86 Renner/Crooks Interchange

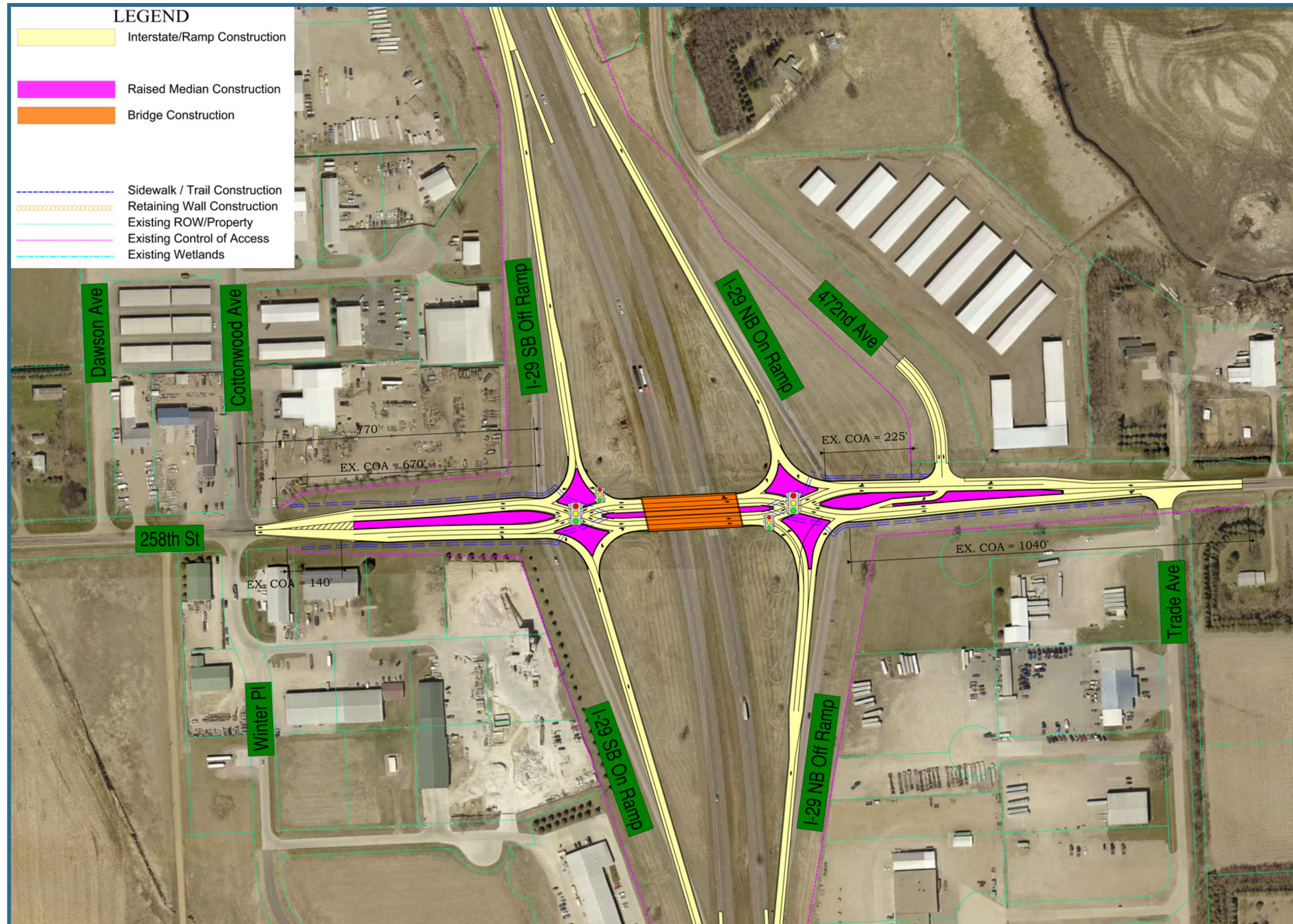
Single Point Urban Interchange



BUILD ALTERNATIVE | ALTERNATIVE 3

I-29 Exit 86 Renner/Crooks Interchange

Diverging Diamond Interchange

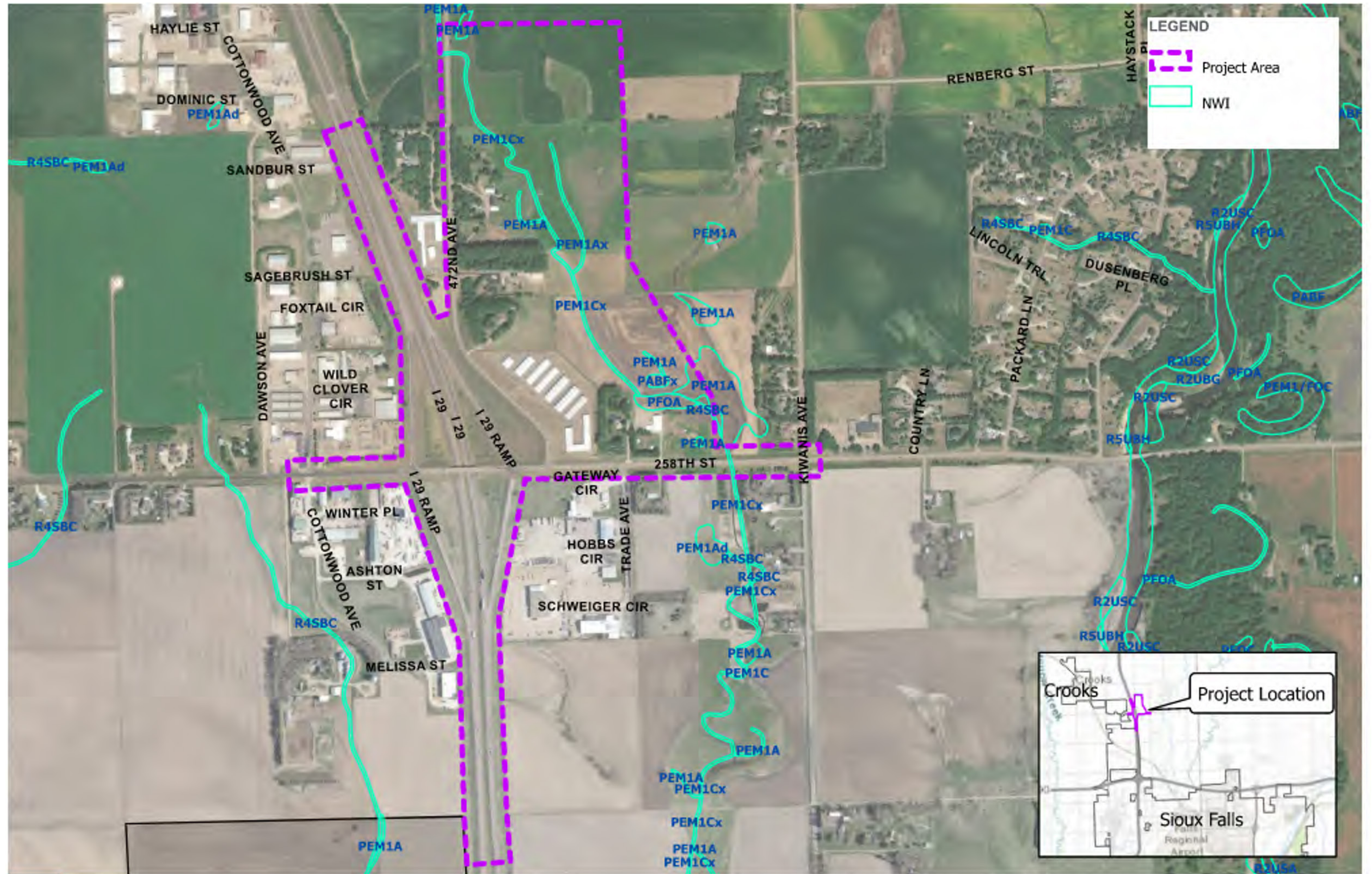


ENVIRONMENTAL SCREENING | AQUATIC RESOURCES

I-29 Exit 86 Renner/Crooks Interchange

Aquatic resources in the vicinity of the existing I-29 Exit 86 Interchange include the following:

- Wetlands
- Ponds
- FEMA flood hazards



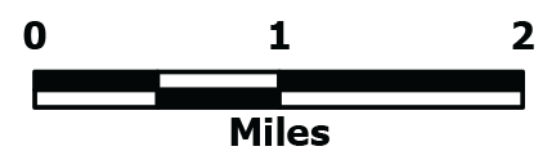
ENVIRONMENTAL SCREENING: CURRENT AND FUTURE LAND USE

I-29 Exit 86 Renner/Crooks Interchange

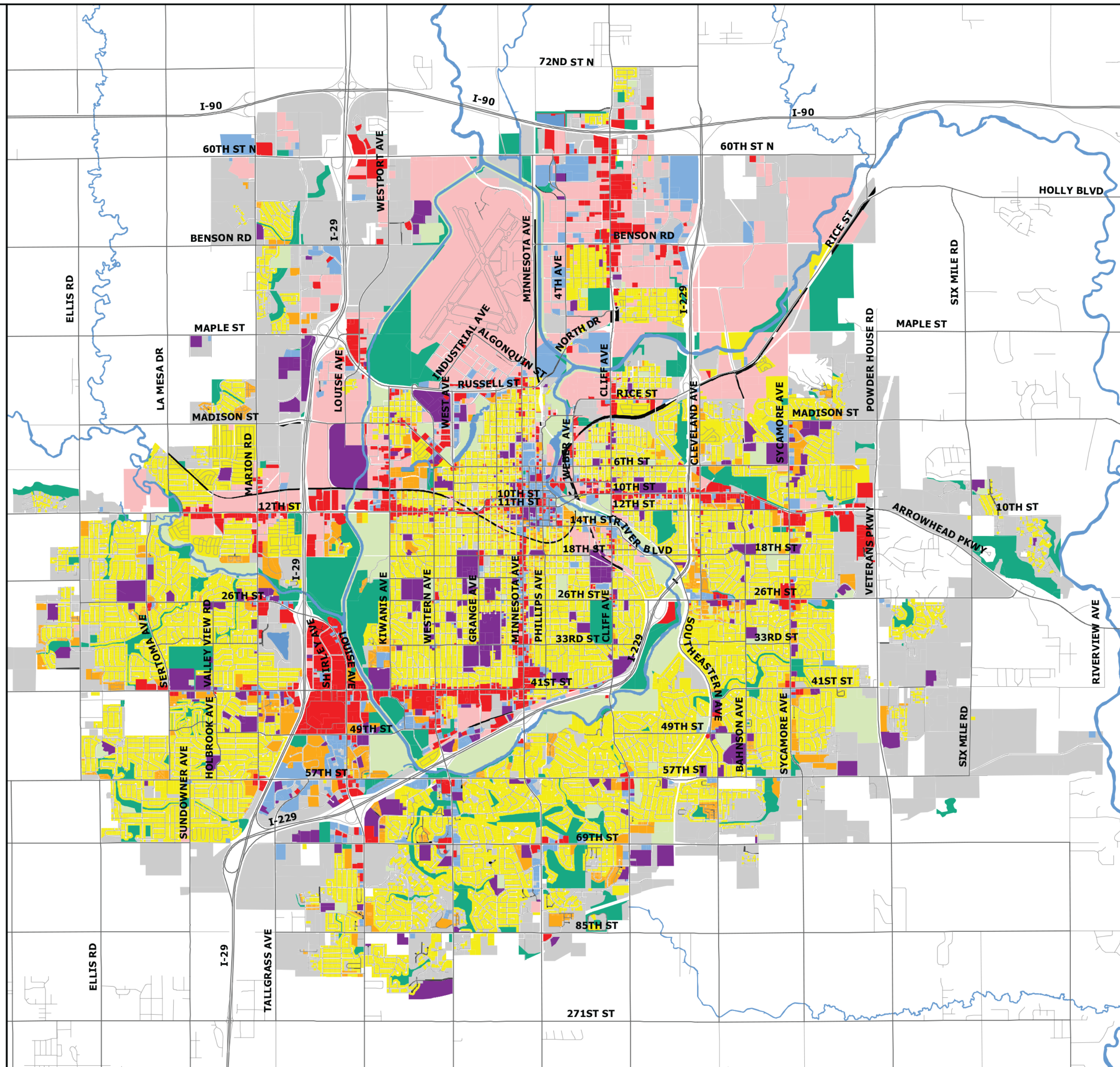
Current Land Use

Land Use
(as of January 1, 2015)

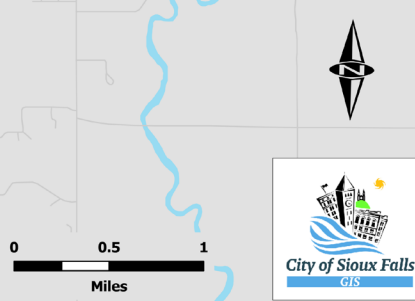
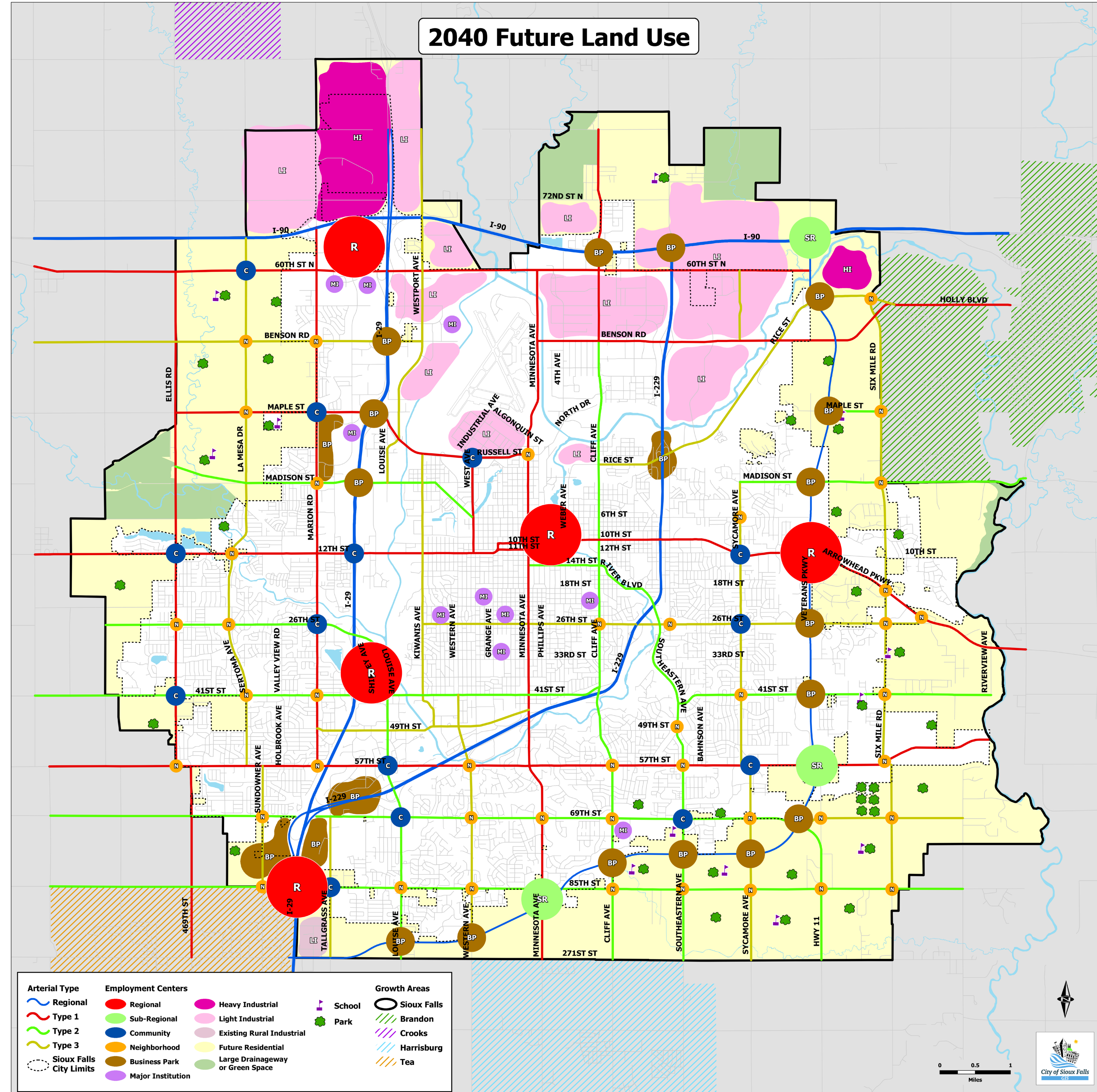
-  Single Family Residential
-  Multi-Family Residential
-  Office and Public Service
-  Institution, Education, and Public Assembly
-  Commercial
-  Industrial, Mining, and Airport
-  Parks, Trails, and Athletic Fields
-  Conservation and Other Green Space
-  Agriculture and Transition Sites
-  Public or Private Right-of-way



encl[planning]2040 master plan[current land use



2040 Future Land Use



ENVIRONMENTAL CONSIDERATIONS: NEPA PROCESS

I-29 Exit 86 Renner/Crooks Interchange



The project team is currently conducting analyses of the following environmental considerations:

- Wetlands
- Archaeological, Historical, and Cultural Resources
- Habitat Analysis (Threatened and Endangered Species)
- Regulated Materials (Hazardous Substances)
- Noise Monitoring

The project team is coordinating closely with the following agencies in preparing preliminary environmental reports:

- Categorical Exclusions (CE3)
- Noise Study
- Wetland Delineations
- Cultural Resources Investigation

ENVIRONMENTAL CONSIDERATIONS: PURPOSE & NEED

I-29 Exit 86 Renner/Crooks Interchange

Why is Purpose & Need Statement Important?

- Explains why taxpayer funding is needed to make necessary and worthwhile expenditures
- Justifies why environmental impacts are acceptable based on a project's importance
- Drives the process for alternatives consideration, evaluation, and final selection
- Is “the test” for meeting requirements of federal laws and executive orders that protect natural and human environment (wetlands, parklands, etc.)

Purpose Statement (Final)

“The purpose of the project is to address structural deficiencies at the I-29 interchange with 258th Street (Exit 86) to meet current SDDOT design standards and extend the life of the interchange to the 2050 design year.”

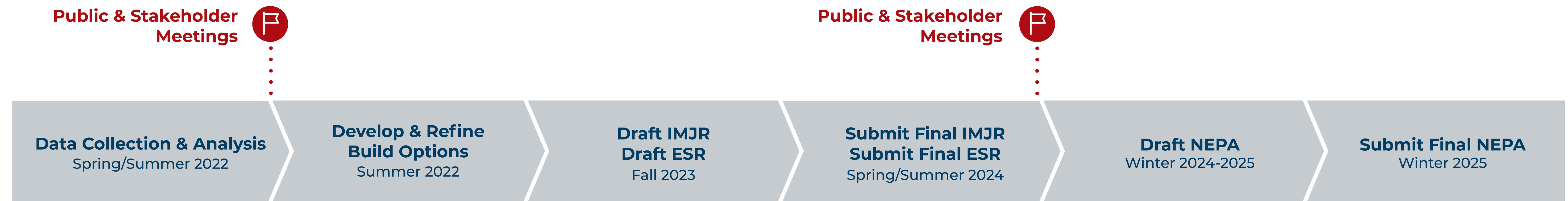
Need (Final)

To address mobility and structural/geometric deficiencies that exist within the study area or are anticipated to occur with the timeframe of the planning horizon.

- Address ramp connections to ensure adequate shoulder width for safety and design standard compliance
- Provide additional turn lanes to improve traffic flow and reduce congestion
- Upgrade ramp connections to meet design standards
- Implement maintenance strategies to extend bridge structure lifespan through 2050
- Provide minimum vertical clearance of 17 feet under the bridge

TENTATIVE SCHEDULE / CONTACTS / WEBSITE

I-29 Exit 86 Renner/Crooks Interchange



DESIGN: Anticipated 2025-2028

CONSTRUCTION: Anticipated 2029

Project Contacts

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SEH

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amurra@sehinc.com



Visit the Project Website

www.i29exit86.com

- Learn more about the project
- View and share meeting materials

Project Partners



Consultant Team

