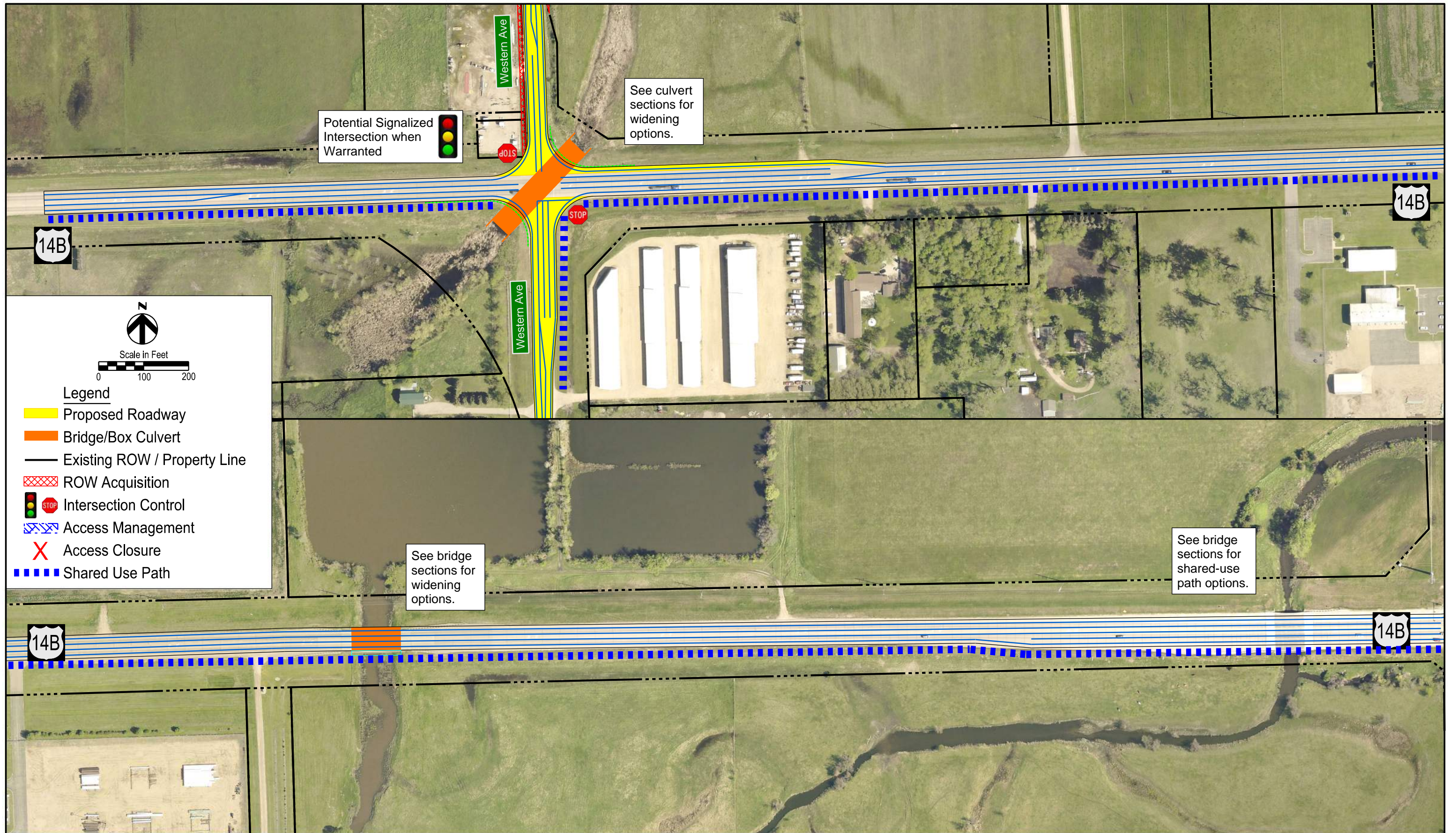


US14 Bypass – US14 (west) to I-29 Scenarios

Scenario A: Existing 3-Lane with Intersection Improvements

Scenario includes:

- Corridor: Maintain one through lane in each direction.
- Shared-use path on south side of US14 Bypass.
- Western Avenue intersection improvements.
- Medary Avenue intersection improvements.
- Stadium Road and Jackrabbit Avenue intersection improvements.
 - Both maintained as full access intersections.
- 22nd Avenue intersection improvements.
 - Frontage roads in NW and NE quadrants to remove access from intersection area.
- 25th Avenue intersection improvements.



Scale in Feet
0 100 200

Legend

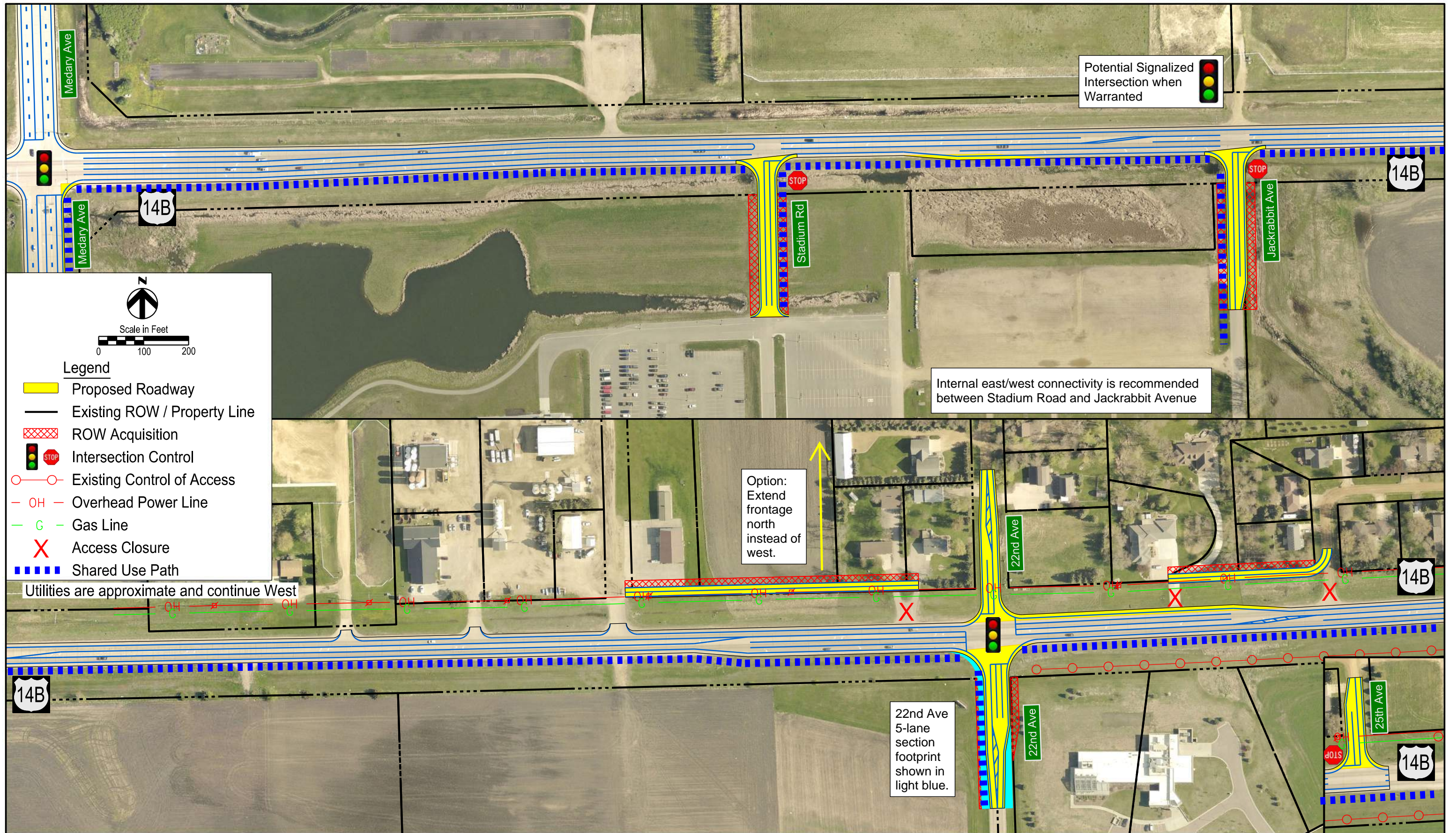
- Proposed Roadway
- Bridge/Box Culvert
- Existing ROW / Property Line
- ROW Acquisition
- Intersection Control
- Access Management
- X Access Closure
- Shared Use Path

Potential Signalized Intersection when Warranted

See culvert sections for widening options.

See bridge sections for widening options.

See bridge sections for shared-use path options.

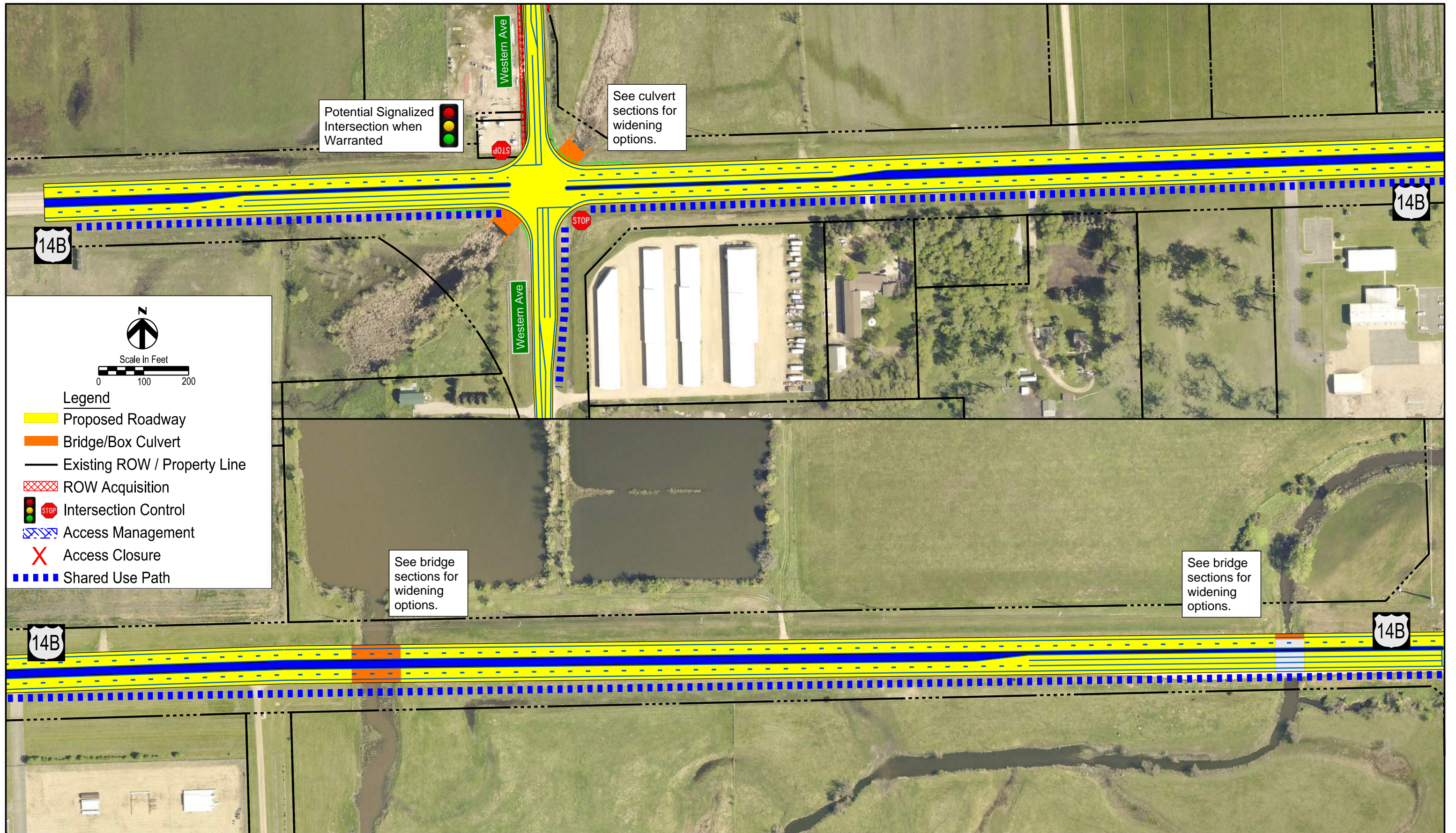


US14 Bypass – US14 (west) to I-29 Scenarios

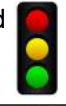
Scenario B: Multilane Hybrid (4-Lane Divided and 5-Lane) with Intersection Improvements

Scenario includes:

- Corridor: two through lanes in each direction with combination of 4-lane divided and 5-lane sections.
- Shared-use path on south side of US14 Bypass.
- Western Avenue intersection improvements.
- Medary Avenue intersection improvements.
- Stadium Road and Jackrabbit Avenue intersection improvements.
 - Stadium Road $\frac{3}{4}$ access; Jackrabbit Avenue full access.
- 22nd Avenue intersection improvements.
 - Frontage roads in NW and NE quadrants to remove access from intersection area.
- 25th Avenue intersection improvements.



Potential Signalized Intersection when Warranted



See culvert sections for widening options.

STOP

Western Ave

14B

14B



Scale in Feet
0 100 200

Legend

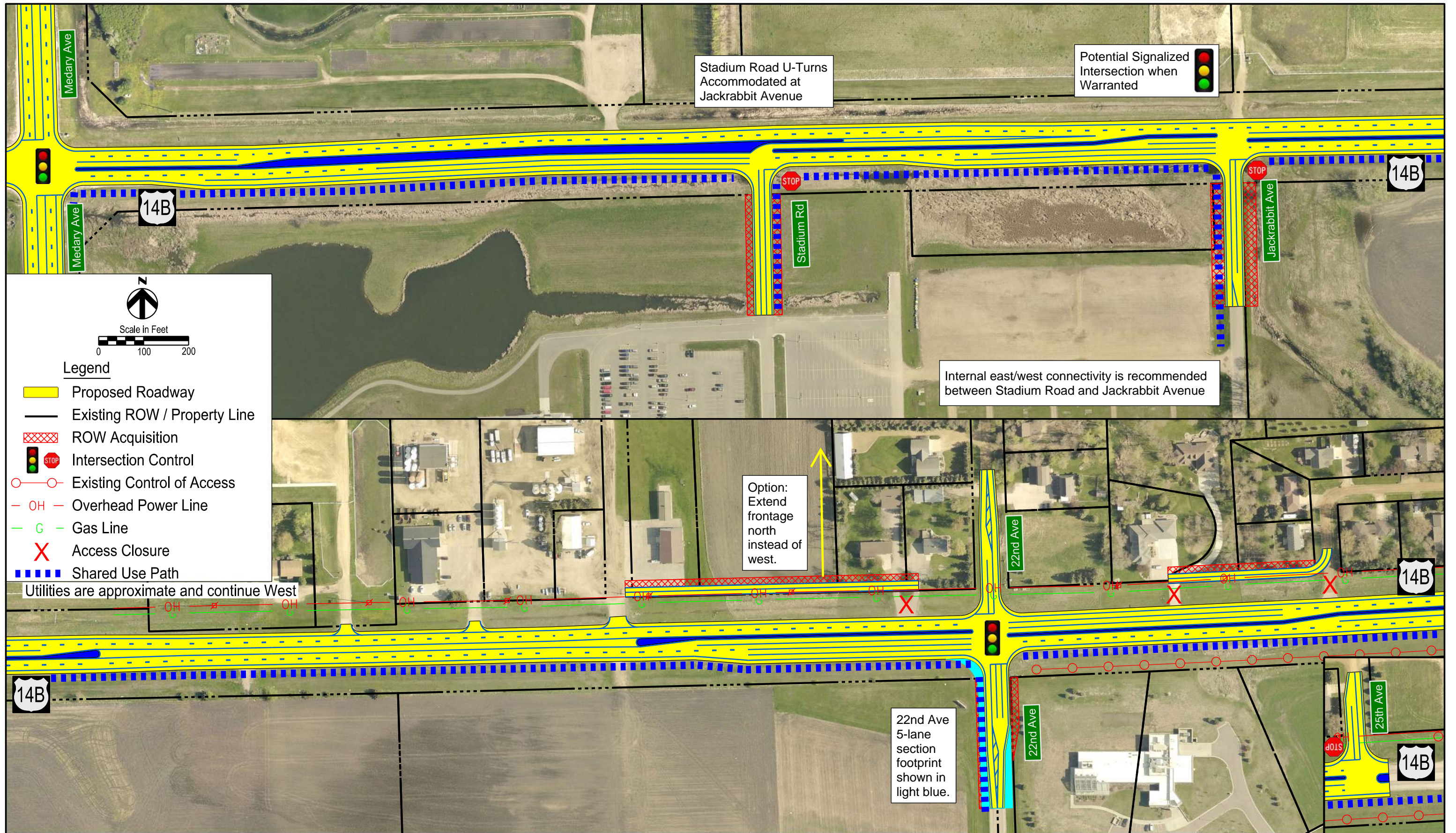
- Proposed Roadway
- Bridge/Box Culvert
- Existing ROW / Property Line
- ROW Acquisition
- STOP Intersection Control
- Access Management
- X Access Closure
- Shared Use Path

See bridge sections for widening options.

See bridge sections for widening options.

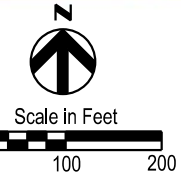
14B

14B



Legend

- Proposed Roadway
 - Existing ROW / Property Line
 - ROW Acquisition
 - Intersection Control
 - Existing Control of Access
 - OH — Overhead Power Line
 - G — Gas Line
 - Access Closure
 - Shared Use Path
- Utilities are approximate and continue West



Stadium Road U-Turns
Accommodated at
Jackrabbit Avenue

Potential Signaled
Intersection when
Warranted

Internal east/west connectivity is recommended
between Stadium Road and Jackrabbit Avenue

Option:
Extend frontage
north
instead of
west.

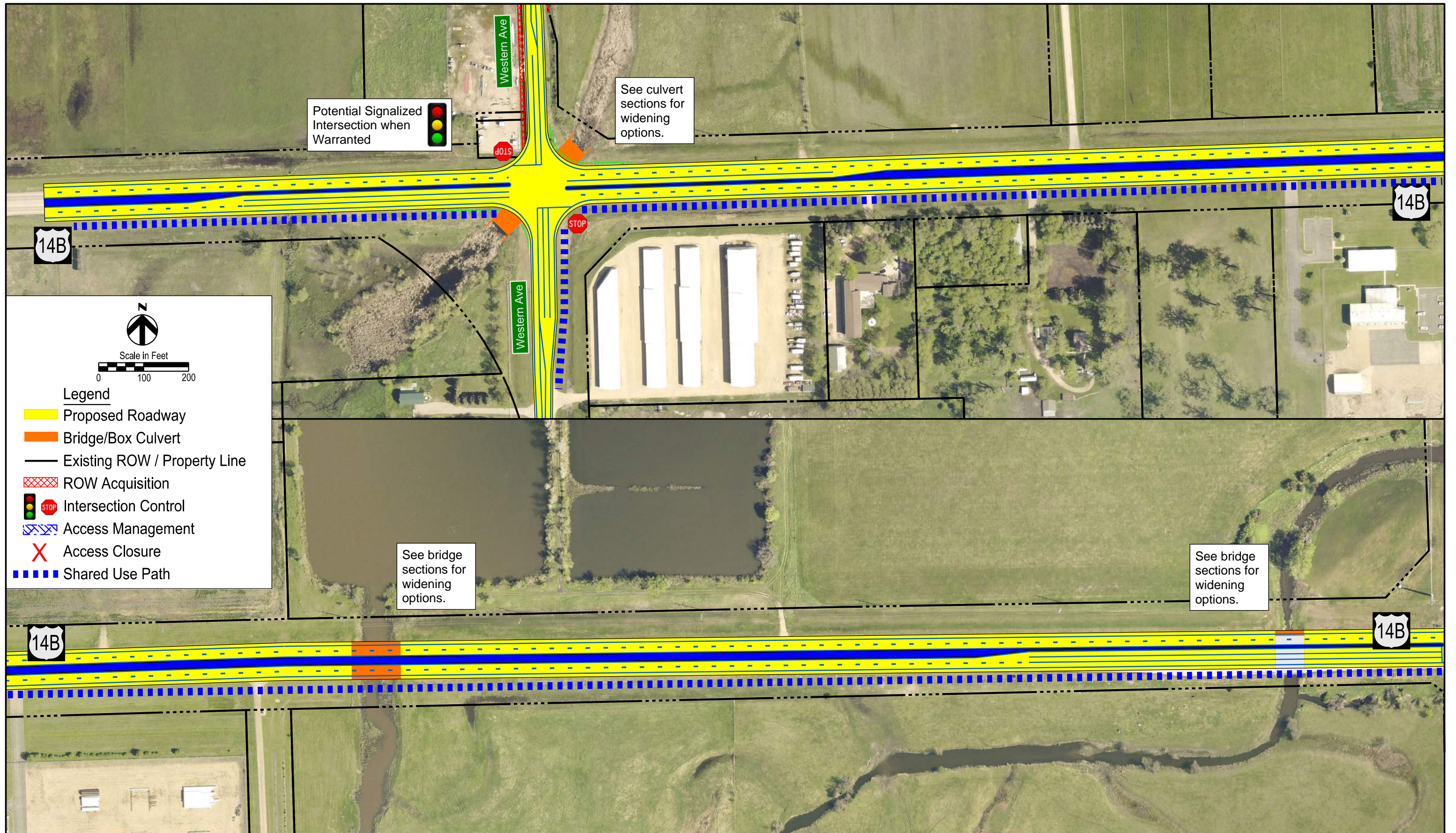
22nd Ave
5-lane
section
footprint
shown in
light blue.

US14 Bypass – US14 (west) to I-29 Scenarios

Scenario C: 4-Lane Divided with Intersection Improvements

Scenario includes:

- Corridor: two through lanes in each direction with a 4-lane divided (raised median) section.
- Shared-use path on south side of US14 Bypass.
- Western Avenue intersection improvements.
- Medary Avenue intersection improvements.
- Stadium Road and Jackrabbit Avenue intersection improvements.
 - Stadium Road $\frac{3}{4}$ access; Jackrabbit Avenue full access.
- 22nd Avenue intersection improvements.
 - Shift US14 Bypass alignment south.
 - Frontage roads in NW and NE quadrants to remove access from intersection area.
- 25th Avenue intersection improvements.



Potential Signalized Intersection when Warranted



See culvert sections for widening options.

See bridge sections for widening options.

See bridge sections for widening options.

Scale in Feet
0 100 200

Legend

- Proposed Roadway
- Bridge/Box Culvert
- Existing ROW / Property Line
- ROW Acquisition
- Intersection Control
- Access Management
- Access Closure
- Shared Use Path

US14 Bypass – US14 (west) to I-29 Scenarios

Improvement Scenarios

Scenario A: Existing 3-Lane with Intersection Improvements

Scenario B: Multilane Hybrid (4-Lane Divided and 5-Lane) with Intersection Improvements

Scenario C: 4-Lane Divided with Intersection Improvements

Preliminary Summary Matrix

Scenario	2050 Traffic Operations					Predictive Safety		ROW & Costs		Environmental Resources
	22 nd Ave Intersection Operations (LOS)	Medary Ave Intersection Operations (LOS)	Corridor Operations (LOS)	Corridor Reliability & Driver Expectancy	Event Traffic Management and Operations	F&I Crashes	Total Crashes	ROW Acquisition	Construction & ROW Costs	Potential Impacts
	AM / PM	AM / PM	AM / PM	5 - Best 3 - Middle 1 - Least	5 - Best 3 - Middle 1 - Least	Average Annual # Crashes	Average Annual # Crashes	Acres	\$ mil	Low, Medium, High
Scenario A	B / C	C / C	B / B	4	3	3.7	12.3	2.5	\$7.0	Medium – Wetlands, Floodplain
Scenario B	B / C	C / C	A / B	5	5	3.6	11.2	2.5	\$24.5	Medium – Wetlands, Floodplain
Scenario C	B / C	C / C	B / B	5	5	3.4	10.7	3.5	\$25.0	High – Floodway, Floodplain, Wetlands, T&E (Topeka Shiner)
No Build	B / C *	D / C	E / E	3	2	4.8	14.7	0	0	Low

* Analyzed as isolated signal with 2020 temporary signal and NB RT lane improvements.