



City of Grand Island

Tuesday, February 11, 2020

Council Session

Item E-1

Public Hearing on One & Six Year Street Improvement Plan

Council action will take place under Resolutions item I-1.

Staff Contact: John Collins, P.E. - Public Works Director

Council Agenda Memo

From: Shannon Callahan, Street Superintendent

Meeting: February 11, 2020

Subject: Approval of the One & Six Year Street Improvement Plan

Presenter(s): John Collins PE, Public Works Director

Background

The One & Six Year Street Improvement Plan consists of the transportation projects in the Capital Improvement Program and is mandatory by State Law as part of the requirements to receive approximately five million dollars of state gas tax funds each year. The Public Works Department develops this program through a process to prioritize street projects taking into consideration many factors such as:

- Availability of funds
- Condition of the street
- Traffic counts
- Eligibility for State/Federal funds
- Redevelopment patterns
- Public/Council input

The City engages in a public process to ensure public input into the policy making process. The proposed One & Six Year Street Improvement Plan is a result of the following steps:

- Wednesday, February 5, 2020– Regional Planning Commission conducted a Public Hearing and forwarded the recommendation to the City Council
- Tuesday, February 11, 2020– City Council considers a Resolution adopting the plan
- March 1, 2019 – One & Six Year Street Improvement Plan due at the Nebraska Department of Transportation

In March of 2019, LB82 became law and reformed the reporting requirements of the 1&6 Street Improvement Plan. This change will allow the City to hold the public hearing on the 1&6 Street Improvement Plan in conjunction with the City's Annual Budget hearings. Therefore, the public hearing and presentation of the 2021-2026 Street Improvement program will be held during budget talks which typically take place between June and August.

Discussion

A Public Hearing was conducted with testimony received and discussion held on the One & Six Year Street Improvement Plan at the Grand Island/Hall County Regional Planning Commission meeting on February 5, 2020. The commission forwarded the One & Six Year Street Improvement Plan to the City Council with a recommendation for approval.

The projects listed in the One & Six Year Plan for calendar year 2020 are considered definite projects. These projects were in the approved fiscal year 2020 budget. Many of the projects listed in the One & Six Year Plan for 2021 through 2025 are included in the City's budget, but are subject to schedule changes depending upon coordination and approval of State and Federal funding.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

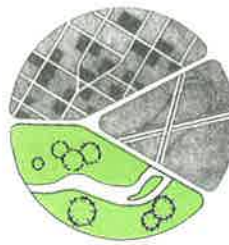
1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

Recommendation

City Administration recommends that the Council approve the One & Six Year Street Improvement Plan.

Sample Motion

Move to approve the One & Six Year Street Improvement Plan.



THE REGIONAL PLANNING COMMISSION of Hall
County, Grand Island, Wood River and the Villages
of Alda, Cairo and Doniphan, Nebraska

February 6, 2020

Honorable Roger G. Steele, Mayor
And Members of the Council
City Hall 100 E. 1st Street
Grand Island, NE 68801

Dear Members of the Council:

RE: ADOPTION OF THE 1 & 6 YEAR STREET IMPROVEMENT PLANS FOR THE CITY OF GRAND ISLAND.

At the meeting of the Regional Planning Commission, held February 5, 2020, the above item was considered following a public hearing. This item is to adopt the new 1 & 6 year street improvement plan for the City Of Grand Island.

Chairman O'Neill opened the public hearing.

Grand Island Public Works Director John Collins detailed the street improvements that were substantially completed over the current year. He then discussed the proposed projects for the next six years. Collins provided updates for the improvements for reconstruction and new construction projects road projects in the City. The Five Points intersection is still under design. The construction for the Five Points intersection is scheduled for 2021. Collins stated local resurfacing will be starting the next construction session. Bidding for Old Potash Highway improvements will be starting in March. He also mentioned Highway 281 corridor signal timing which includes intersections Webb Rd, Diers Ave., State Street and Faidley Ave. Four optimized timing plans will be implemented. Work on the Sycamore Street underpass is mostly done. Collins also talked about the work planned for North Road North and North Road South and Custer Avenue. Collins then displayed a map of the projects for 2020-2025.

Randone questioned the Highway 30 project. Collins stated that 2023 is the estimated start date but that is dependent on state funding and not a solid start time. Collins went on to explain NDOT under estimated the cost of projects in other communities that are being done prior to Highway 30. The start dates of some projects would come at a later time. Monter expressed the importance of the project and the asked about the funds the city had paid for portions of the project. Collins stated they were spent on design of the project and will count toward the City's share of the overall project.

O'Neill closed the public hearing.

A motion was made by Nelson and second by Rainforth recommend approval of the Grand Island One and Six Year Street Improvement Plan.

The motion carried with eight members in favor (O'Neill, Allan, Ruge, Robb, Monter, Rainforth, Randone and Nelson) and no members voting no.

Yours truly,

A handwritten signature in black ink, appearing to read 'Chad Nabity', with a long horizontal flourish extending to the right.

Chad Nabity AICP
Planning Director

CITY OF

Grand Island

NEBRASKA

PUBLIC WORKS

1 & 6 YEAR STREET IMPROVEMENT PLAN 2020

Presented by: John Collins, PE

2019 SUBSTANTIALLY COMPLETE PROJECTS (FROM 1 & 6 STREET IMPROVEMENT PLAN)

PROJECT	TOTAL PROJECT	CITY SHARE
Stolley Park Rehab & Reconfiguration- Construction	\$ 1,350,000	\$ 133,000
Sycamore Underpass Rehab- Retaining Wall Rehab/Storm Pump Replacement	\$ 800,000	\$ 800,000
2019 Asphalt Maintenance Project	\$ 835,000	\$ 835,000
Highway 281 Street Lighting- Stolley Park Rd to Highway 30 Interchange	\$ 95,000	\$ 95,000
Husker Highway Improvements- Highway 281 to Prairieview St	\$ 2,000,000	\$ 0
Jefferson Street Reconfiguration	\$ 200,000	\$ 200,000
TOTAL	\$ 5,280,000	\$ 2,063,000

****DOES NOT INCLUDE ALL CAPITAL PROJECTS**

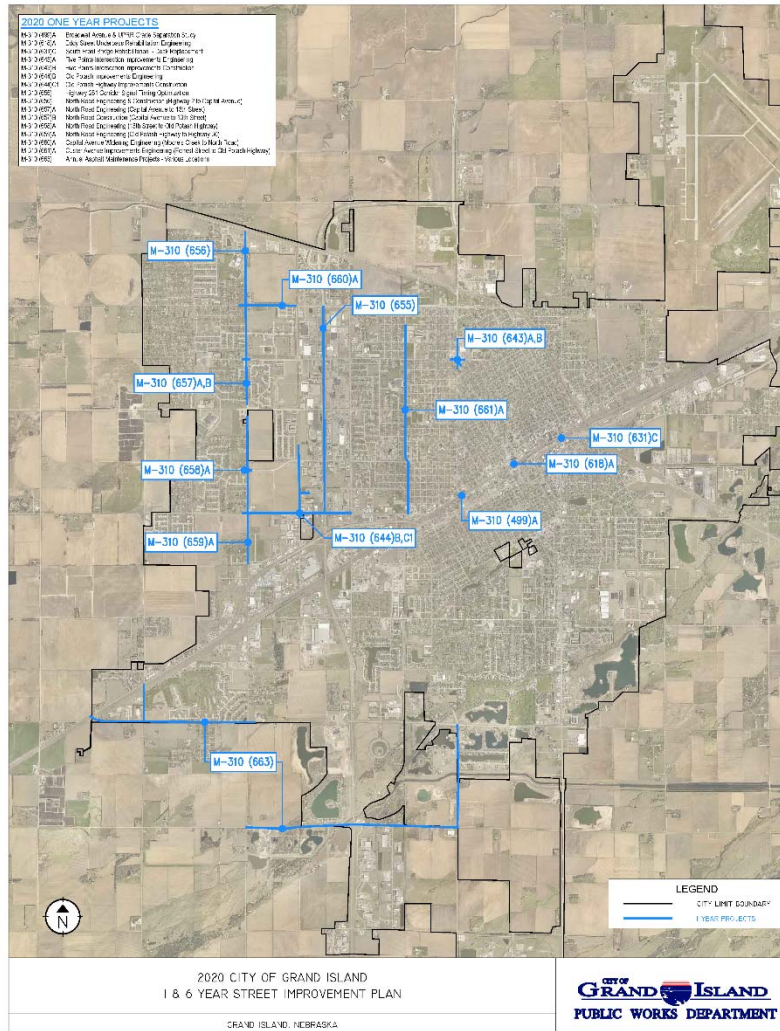
1 & 6 YEAR STREET IMPROVEMENT PLAN

(NOTES CITY COSTS)

OBLIGATED TO OTHER AGENCIES	2020	2021	2022	2023	2024	2025
Five Points Intersection Improvements (HSIP funding)	\$ 339,000	\$ 800,000				
Hwy 30 Realignment, S-30-4(1046) - City Share Est. \$10M				\$ 1,000,000		
Hwy 2 Resurfacing NDOR, NH-2-4(112) - City Share Est. \$600K			\$ 198,000			
Hwy 30 Bridges NDOT, NH-30-4(162)			\$ 227,000			
Highway 34/ 281 Overlay				\$ 900,407		
RECONSTRUCTION/NEW CONSTRUCTION						
Asphalt Resurfacing (annual)	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000
Old Potash Improvements- North Rd to Webb Rd, PE/ROW	\$ 1,426,732	\$ 8,887,500	\$ 4,775,000			
Hwy 281 Corridor Signal Timing Optimization	\$ 85,000					
Sycamore Underpass- S Front St Bridge Deck Replacement	\$ 1,018,644					
Eddy St Underpass and Associated Bridges- Rehab	\$ 600,000	\$ 636,540				
North Rd- 13 th to Hwy 2- Widen to 3-Lane	\$ 3,668,000	\$ 3,490,000	\$ 2,854,000			
North Rd- Old Potash to 13 th - Widen to 3-Lane	\$ 230,300	\$ 630,000	\$ 3,538,000	\$ 1,800,000		
North Rd- Hwy 30 to Old Potash- Widen to 3-Lane	\$ 76,944		\$ 150,000	\$ 2,650,000		
Capital Ave- Moores Creek to North Rd- Widen to 3-Lane	\$ 95,000		\$ 150,000	\$ 2,100,000		
Custer Ave- Forrest to Old Potash- Rehab	\$ 100,900	\$ 530,450				
Broadwell Ave/UPRR- Planning & Environmental	\$ 415,000		\$ 546,364	\$ 562,754		
Locust St Reconstruction; Koenig St to Fonner Park Rd				\$ 450,204	\$ 2,898,185	\$ 2,985,131
Stolley Park Rd; State Fair Entrance to Stuhr Rd				\$ 393,928	\$ 1,738,911	\$ 835,837
Independence Ave; Capital Ave to Manchester/ Macron					\$ 463,710	\$ 1,343,309
TOTAL	\$ 8,955,520	\$ 15,874,490	\$ 13,338,364	\$ 10,757,293	\$ 6,000,806	\$ 6,064,277

Hwy 30 Realignment- \$1.3M of \$2,775,764 City share was paid in FY 17/18

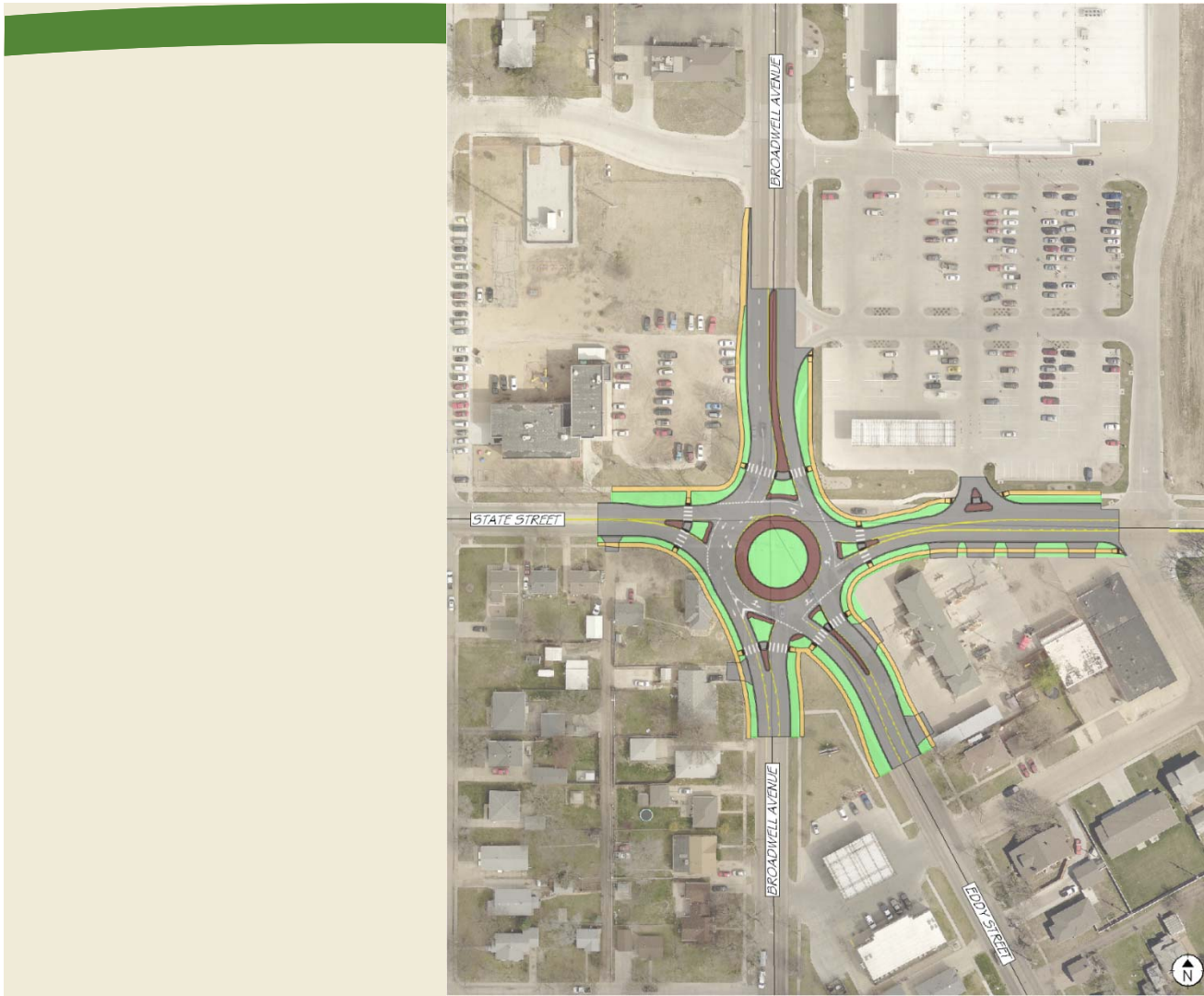
****DOES NOT INCLUDE ALL CAPITAL PROJECTS****



2020 ONE YEAR PROJECTS MAP

FIVE POINTS INTERSECTION IMPROVEMENTS M-310 (643)

- 80% Federally funded safety project through Nebraska Department of Transportation (NDOT)
- Right size the lane configuration to optimize safety and efficiency, and meet the Federal Highway Administration (FHWA) safety program requirements



LOCAL RESURFACING M-310 (654)

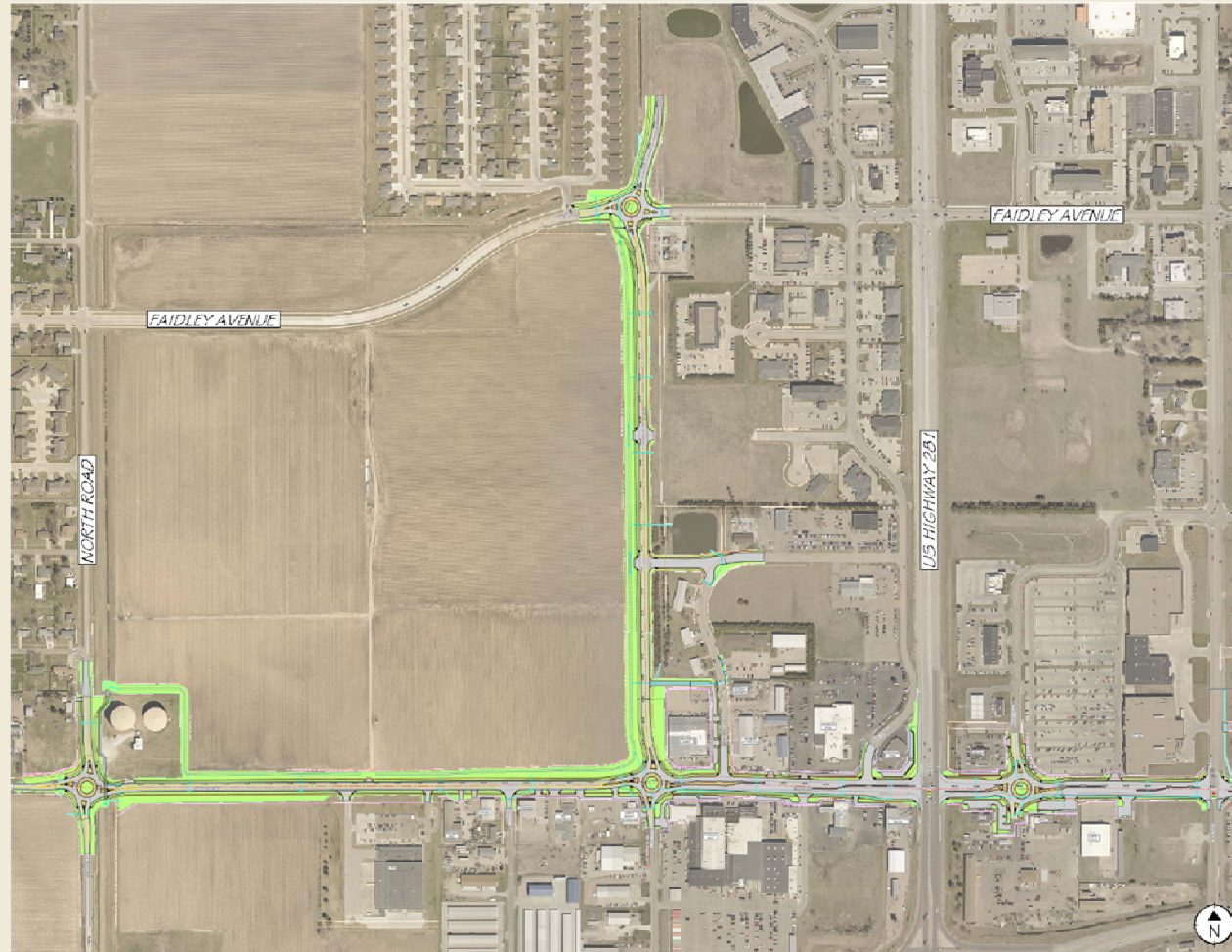
- 🌊 Husker Hwy; US Hwy 30 to Regal Dr
- 🌊 Engleman Rd; Husker Hwy to US Hwy 30
- 🌊 Schimmer Rd; North Rd to Blaine St
- 🌊 Blaine St; Schimmer Rd to US Hwy 34



OLD POTASH HIGHWAY IMPROVEMENTS

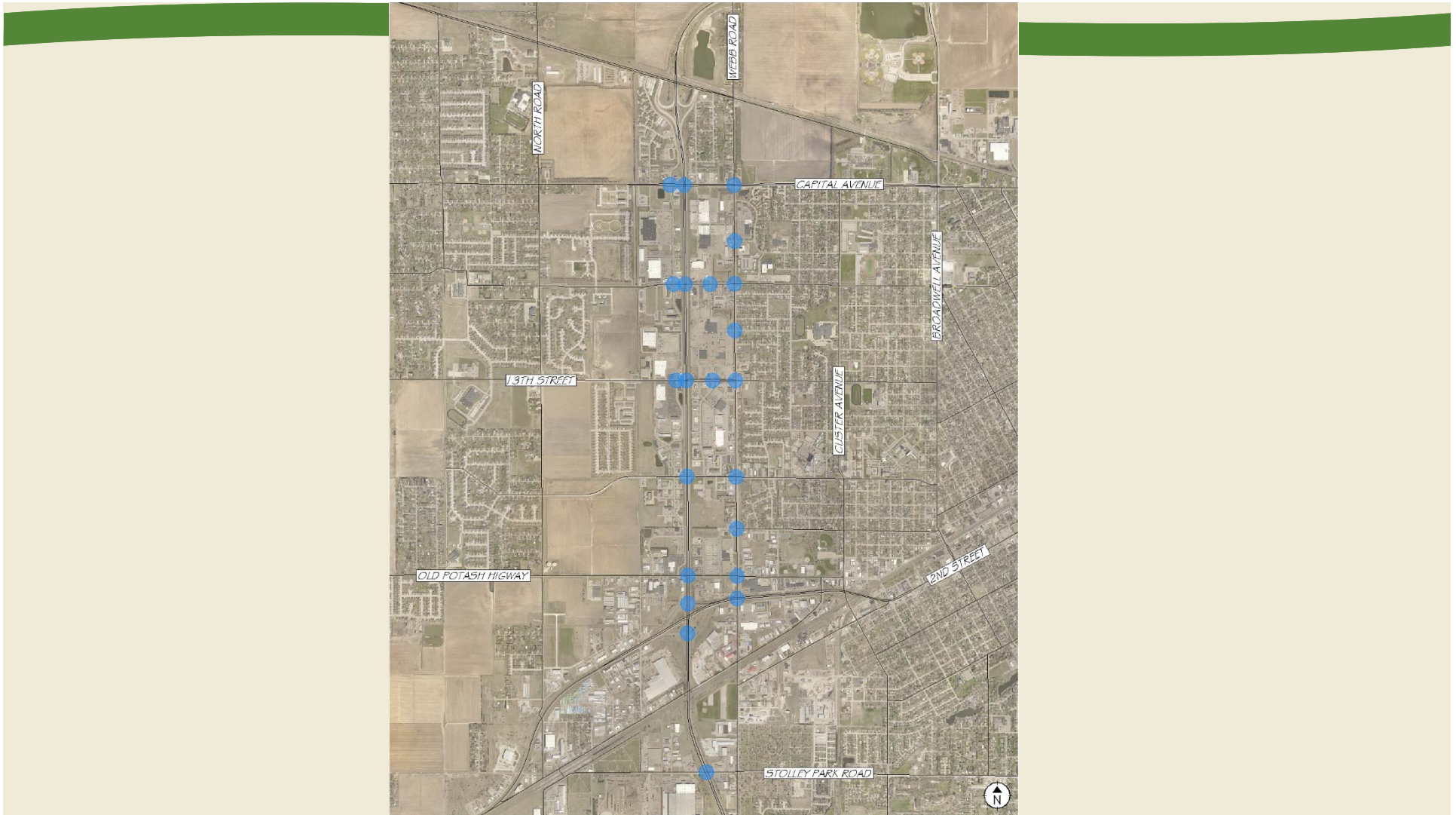
M-310 (644)

- ➊ Improve Old Potash Hwy from North Rd to Webb Rd, including intersections to the north and south
- ➋ The interaction between the various traffic features is complex for the corridor and this project ensures that individual streets and intersections will function together and addresses other safety issues
- ➌ The roadway will be widened, with signal and geometric improvements at each intersection, and increased connectivity to roadway network



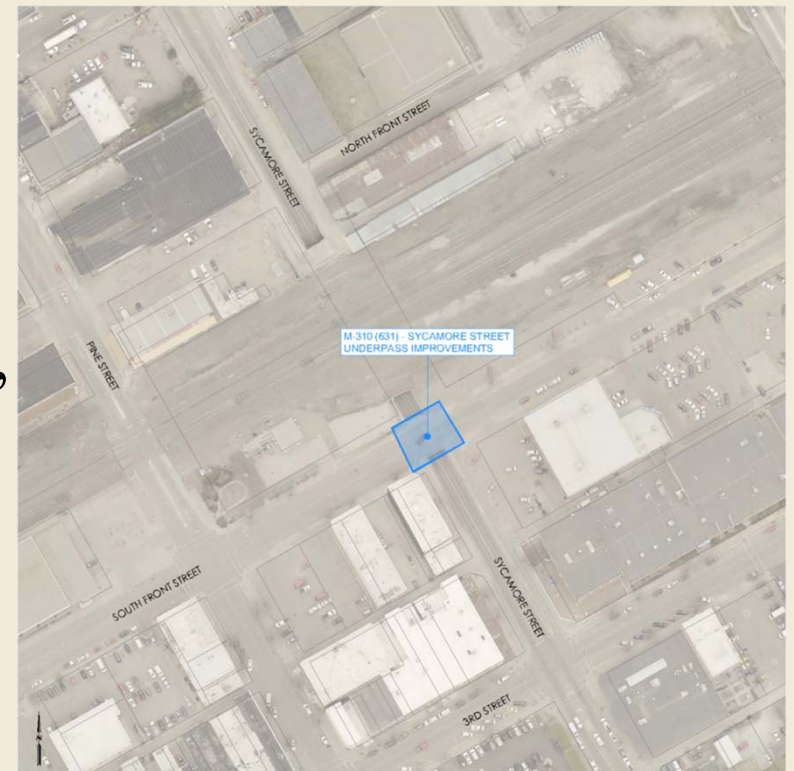
HIGHWAY 281 CORRIDOR SIGNAL TIMING OPTIMIATION M-310 (655)

- Optimization of traffic signal timings/operations along the US 281 corridor from Capital Avenue to Highway 30 interchange
- Four optimized timing plans were implemented; AM, Midday, PM and Off-Peak



SYCAMORE UNDERPASS REHAB M-310 (631)

- 🌊 Replace bridge deck, two (2) abutment walls, patch and seal retaining walls, improve drainage, and reconstruct pump station
- 🌊 Construction began in 2018 with completion slated in 2020



EDDY STREET UNDERPASS AND ASSOCIATED BRIDGES- REHABILITATION

M310 (618)

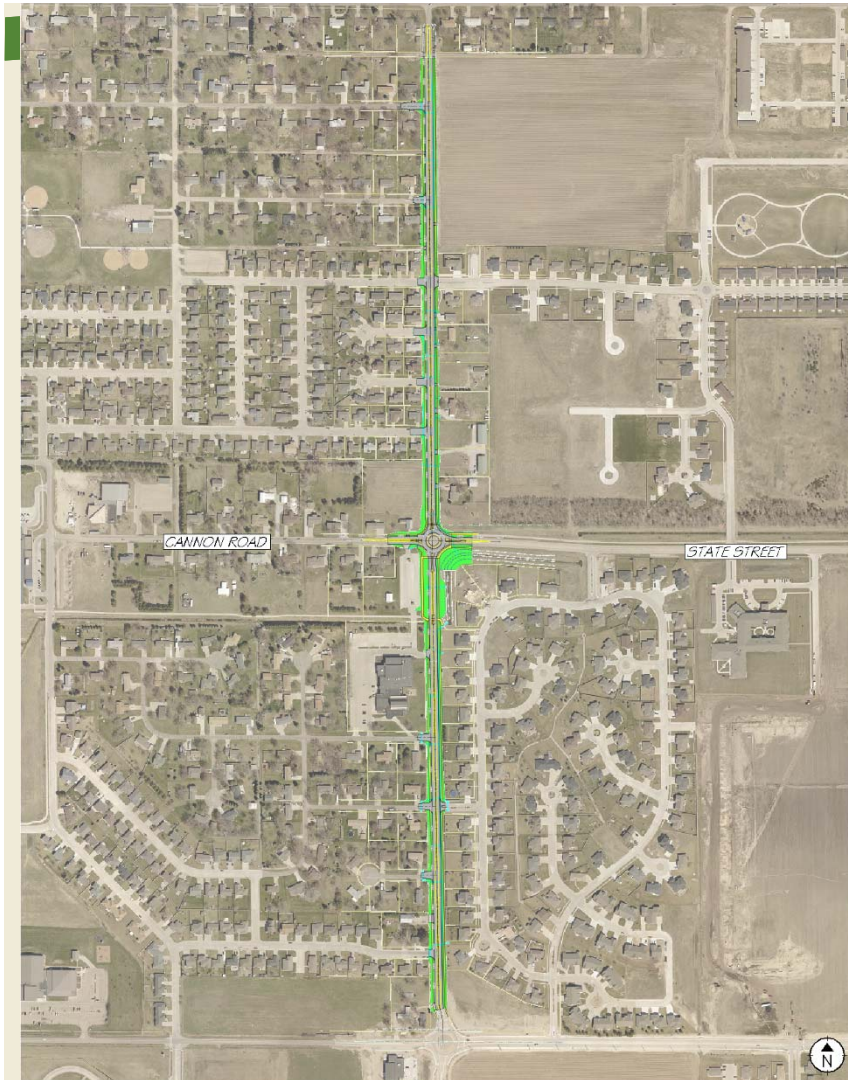
- 🌊 Evaluate condition and status of underpass, which was built in 1950: Concrete retaining walls of the structure, condition of the Mill Drive and North Front Street bridges, and storm sewer pumping system
- 🌊 Outline any repairs and/or replacements necessary to extend the life of the structure



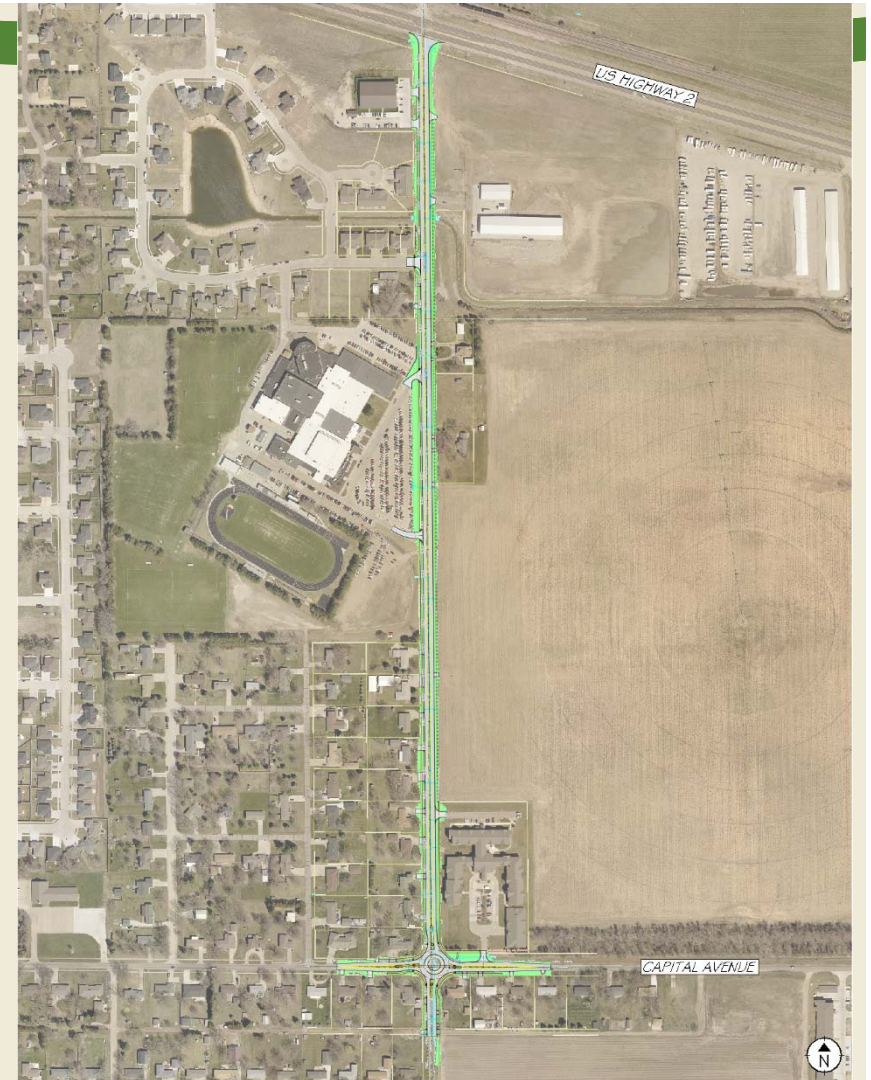
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NORTH ROAD NORTH; 13TH STREET TO
HIGHWAY 2
M-310 (656/ 657)

Widen to 3-lane roadway with a concrete curb and gutter roadway section, associated sidewalk, traffic control, drainage and other related improvements

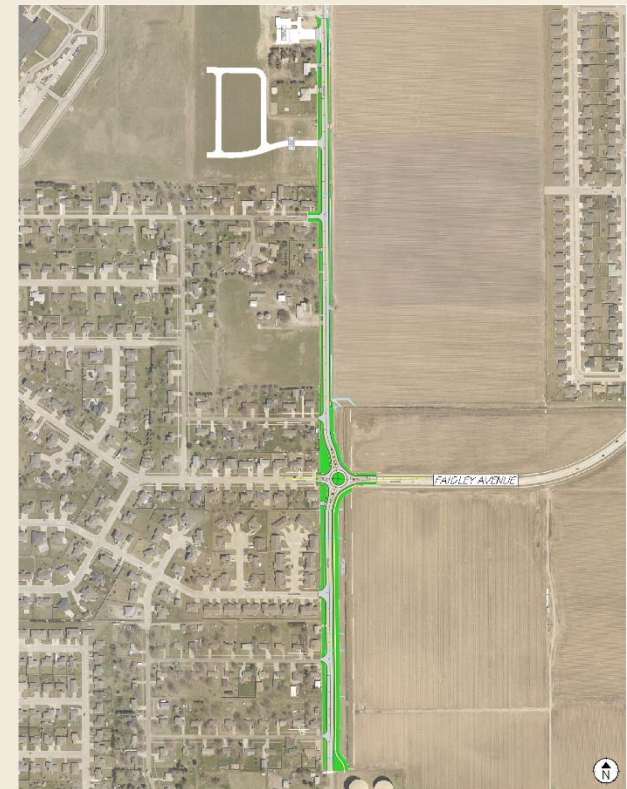


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NORTH ROAD SOUTH; OLD POTASH HWY TO 13TH ST M-310 (658)

Widen to 3-lane roadway with a concrete curb and gutter roadway section, associated sidewalk, traffic control, drainage and other related improvements



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NORTH ROAD; HWY 30 TO OLD POTASH HWY M-310 (659)

Widen to 3-lane roadway with a concrete curb and gutter roadway section, associated sidewalk, traffic control, drainage and other related improvements



CAPITAL AVE; MOORES CREEK TO NORTH RD M-310 (660)

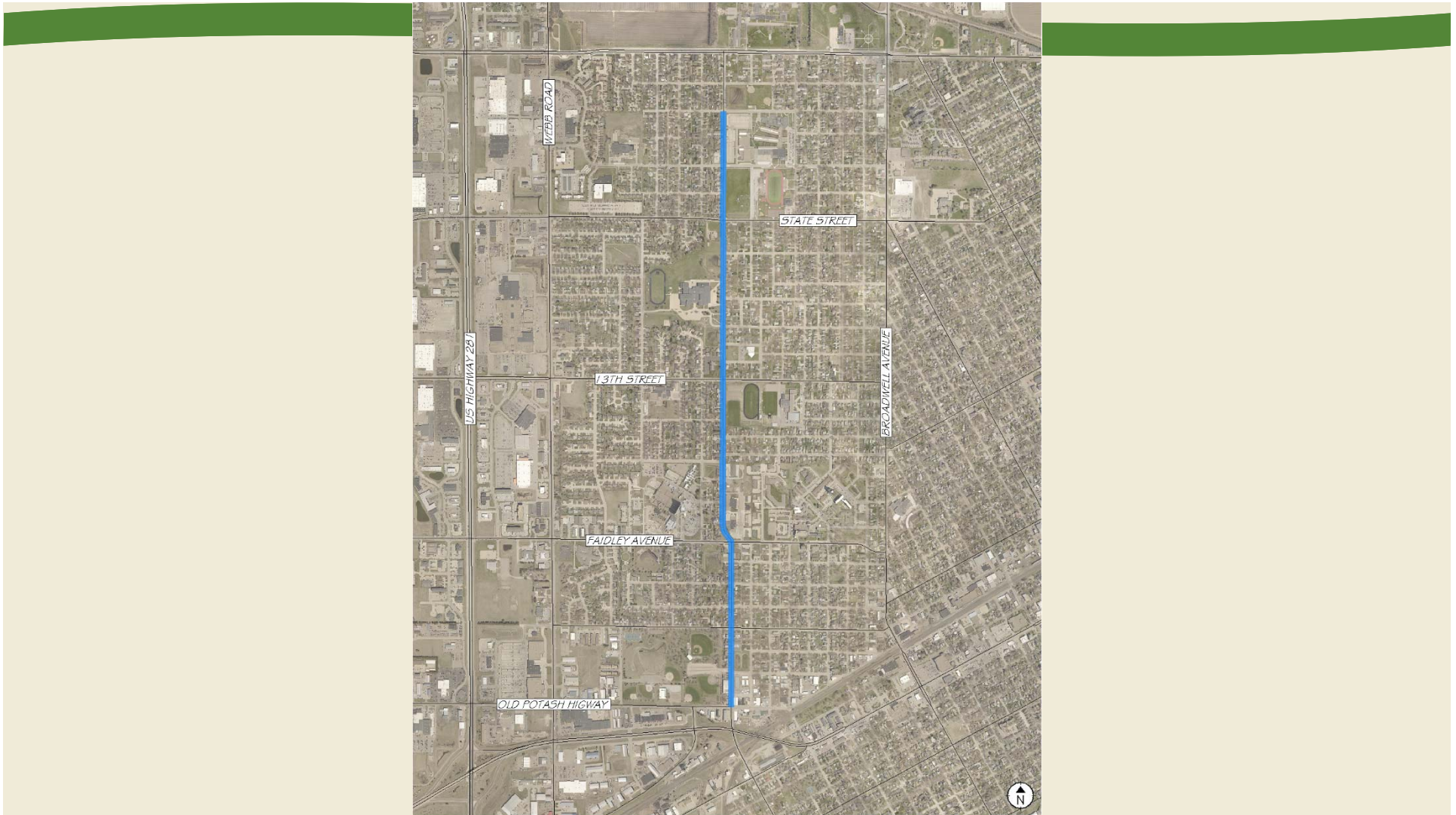
- 🌊 Widen Capital Avenue from Moore's Creek to the proposed roundabout at the intersection of Capital Avenue and North Road
- 🌊 Proposal is for a concrete curb and gutter section, associated sidewalk, traffic control, drainage and other associated improvements



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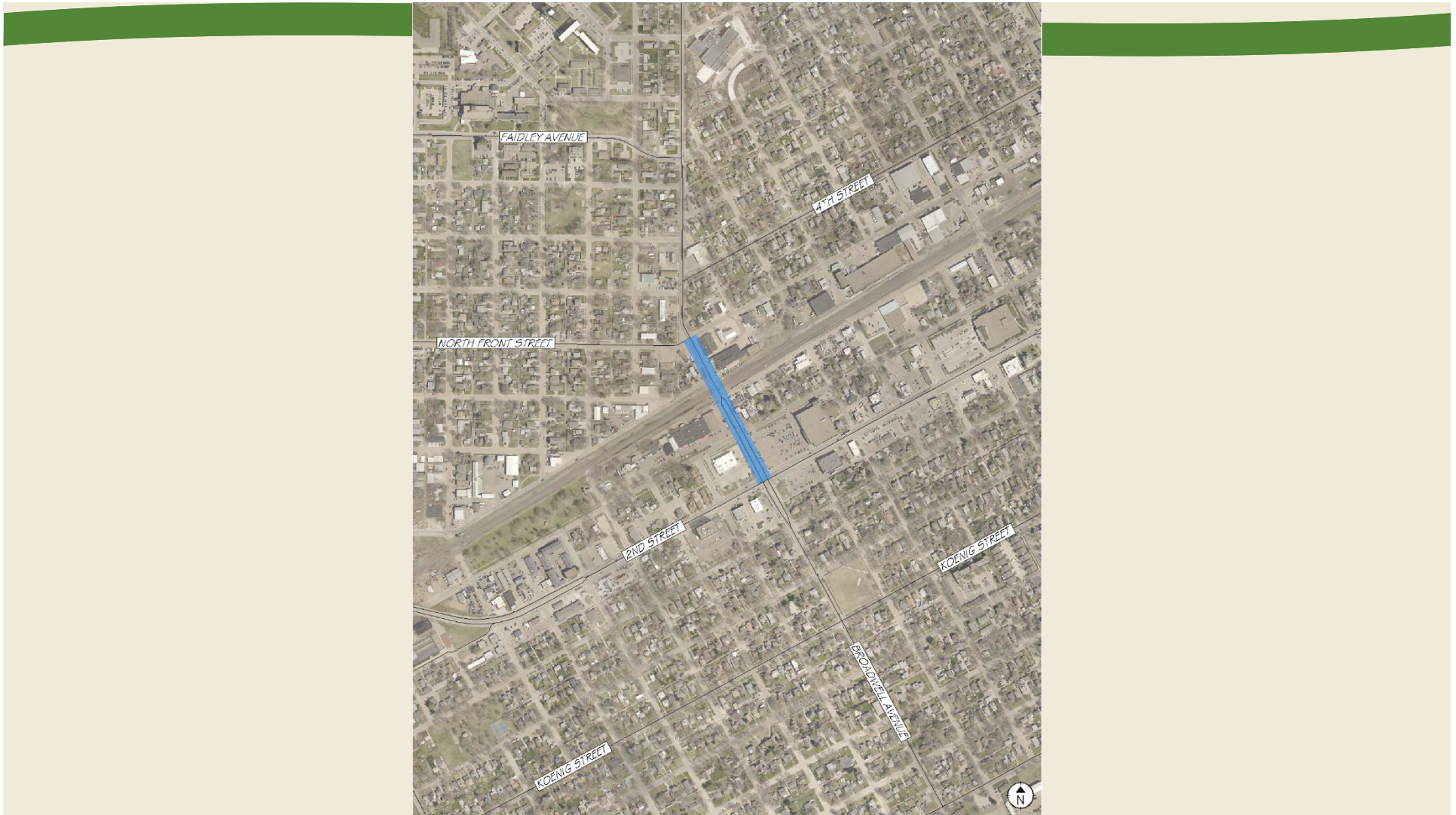
CUSTER AVENUE; FORREST STREET TO OLD POTASH HIGHWAY M-310 (661)

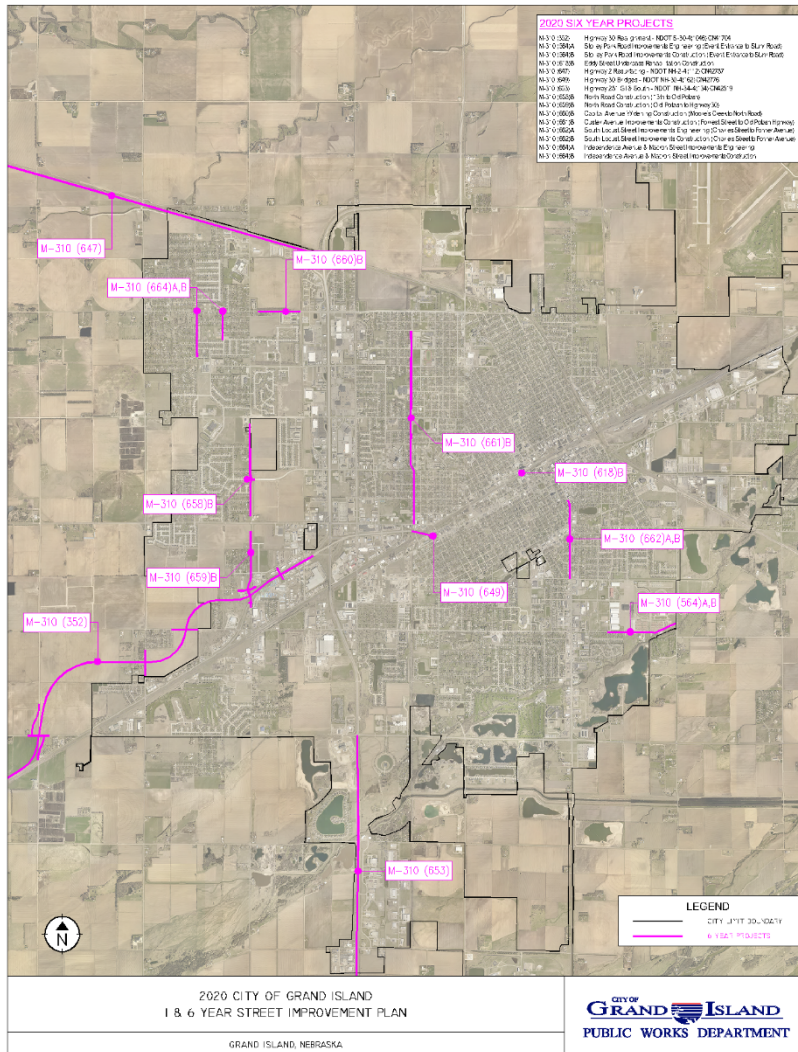
- 🌐 Improve the ride/pavement condition with one of the following options:
 - 🌐 Full replacement of panels
 - 🌐 Concrete grinding
 - 🌐 Asphalt overlay



BROADWELL AVE/UPRR GRADE SEPARATION M-310 (499)

- 🌊 Environmental study for grade separation structure with the Union Pacific Railroad to be located at or around the existing Broadwell Avenue crossing north of 3rd Street
- 🌊 Required by the Department of Transportation for the City to secure Federal funding





2021 – 2025 YEAR PROJECTS MAP