



City of Grand Island

Tuesday, January 8, 2019

Council Session

Item E-15

Public Hearing on One & Six Year Street Improvement Plan

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

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

Council Agenda Memo

From: Shannon Callahan, Street Superintendent

Meeting: January 8, 2019

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, January 2, 2019 – Regional Planning Commission conducted a Public Hearing and forwarded the recommendation to the City Council
- Tuesday, January 8, 2019 – City Council considers a Resolution adopting the plan
- March 1, 2019 – One & Six Year Street Improvement Plan due at the Nebraska Department of Transportation

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 January 2, 2019. 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 2019 are considered definite projects. These projects were in the approved fiscal year 2019 budget. Many of

the projects listed in the One & Six Year Plan for 2020 through 2024 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.

CITY OF

Grand Island

NEBRASKA

PUBLIC WORKS

1 & 6 YEAR STREET IMPROVEMENT PLAN 2019

Presented by: John Collins, PE

2018 SUBSTANTIALLY COMPLETE PROJECTS (FROM 1 & 6 STREET IMPROVEMENT PLAN)

PROJECT	TOTAL PROJECT
Hwy 281 GI & North	\$ 10,843,000
Sycamore Underpass Rehabilitation – Design	\$ 320,000
Stolley Park Rd Rehabilitation / Reconfiguration- Design & Environmental	\$ 160,000
Old Potash Improvements - Claude to Webb- Traffic Study	\$ 150,000
13th St Improvements - North Rd to Diers Ave	\$ 1,300,000
William Street Reconfiguration- 2018-P-7	\$ 300,000
Asphalt Resurfacing, 2018-AC-1	\$ 650,000
TOTAL	\$ 13,723,000

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

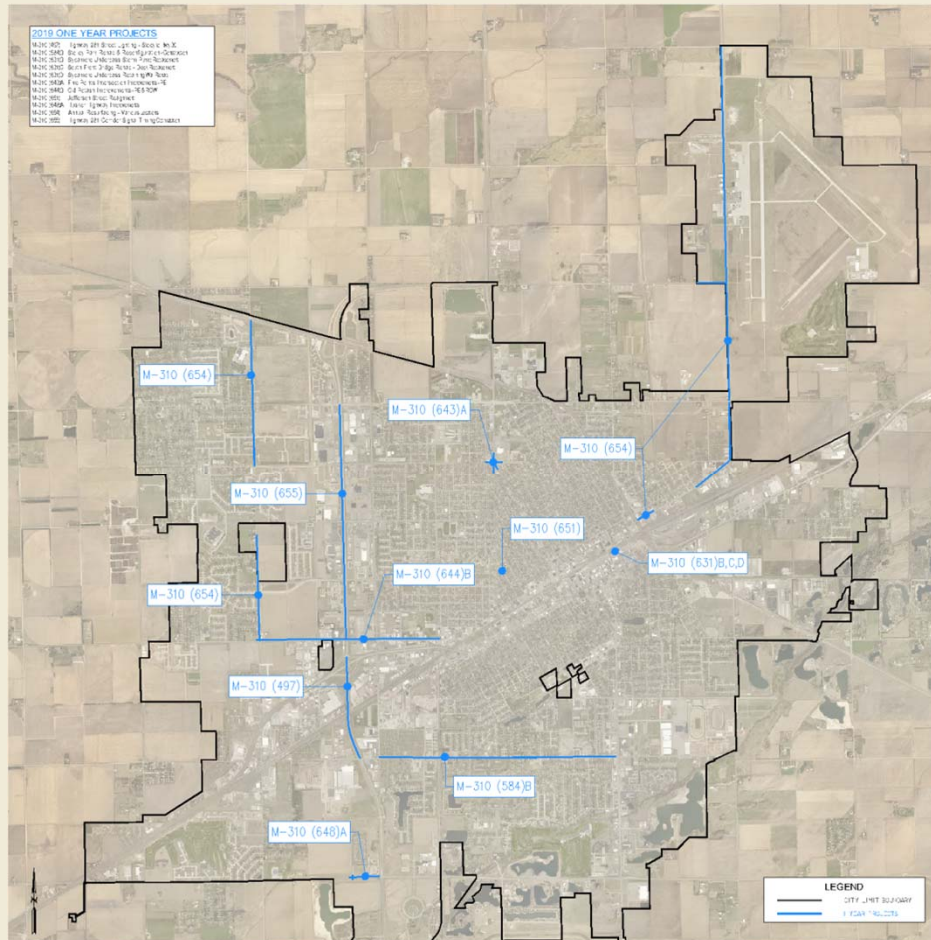
1 & 6 YEAR STREET IMPROVEMENT PLAN

(NOTES CITY COSTS)

	2019	2020	2021	2022	2023	2024
OBLIGATED TO OTHER AGENCIES						
Stolley Park Rd Rehabilitation / Reconfiguration- Construction	\$ 0					
Five Points Intersection Improvements	\$ 170,000	\$ 538,000				
Hwy 30 Realignment, S-30-4(1046) - City Share Est. \$10M					\$ 1,475,764	
Hwy 2 Resurfacing NDOR, NH-2-4(112) - City Share Est. \$600K					\$ 200,000	
Hwy 30 Bridges NDOT, NH-30-4(162)				\$ 80,000		
RECONSTRUCTION/NEW CONSTRUCTION						
Asphalt Resurfacing (annual)	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000
Old Potash Improvements- Post Office to Webb Rd, PE/ROW	\$ 643,000	\$ 2,200,000	\$ 6,525,000	\$ 2,275,000		
Hwy 281 St Lighting - Stolley Park to Hwy 30 Interchange	\$ 95,000					
Hwy 281 Corridor Signal Timing Optimization	\$ 85,000					
Sycamore Underpass- Storm Pump Replacement/ S Front St						
Bridge Deck Replacement/ Retaining Wall Rehab	\$ 2,200,000					
Jefferson St Reconfiguration (Jefferson School)	\$ 0					
Husker Hwy Improvements- Prairieview to Hwy 281	\$ 0					
TOTAL	\$ 4,093,000	\$ 3,638,000	\$ 7,425,000	\$ 3,255,000	\$ 2,575,764	\$ 900,000

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

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

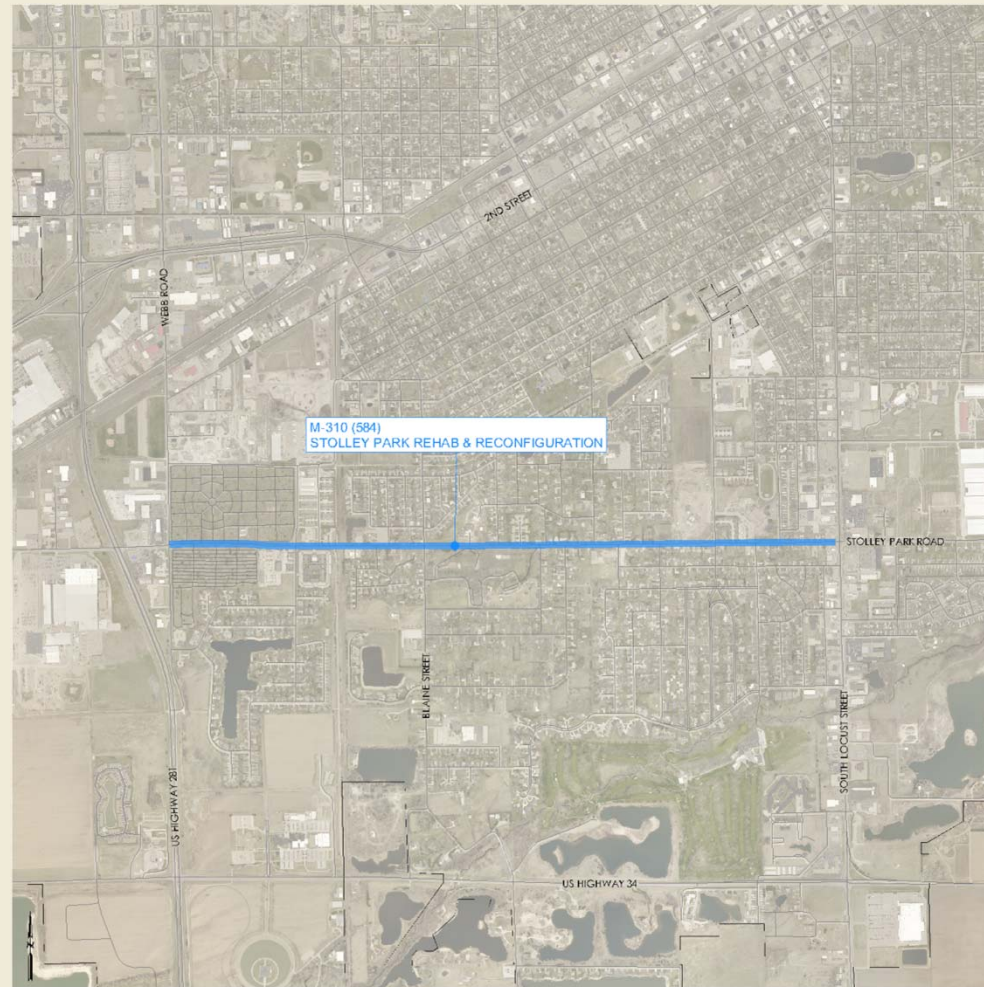


2019 ONE YEAR PROJECTS MAP

4

STOLLEY PARK ROAD RECONFIGURATION M-310 (584)

- Restriping for new lane designations
- Pavement repairs and diamond grinding for improving pavement structure and ride quality



Five Points Intersection Improvements M-310 (643)

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



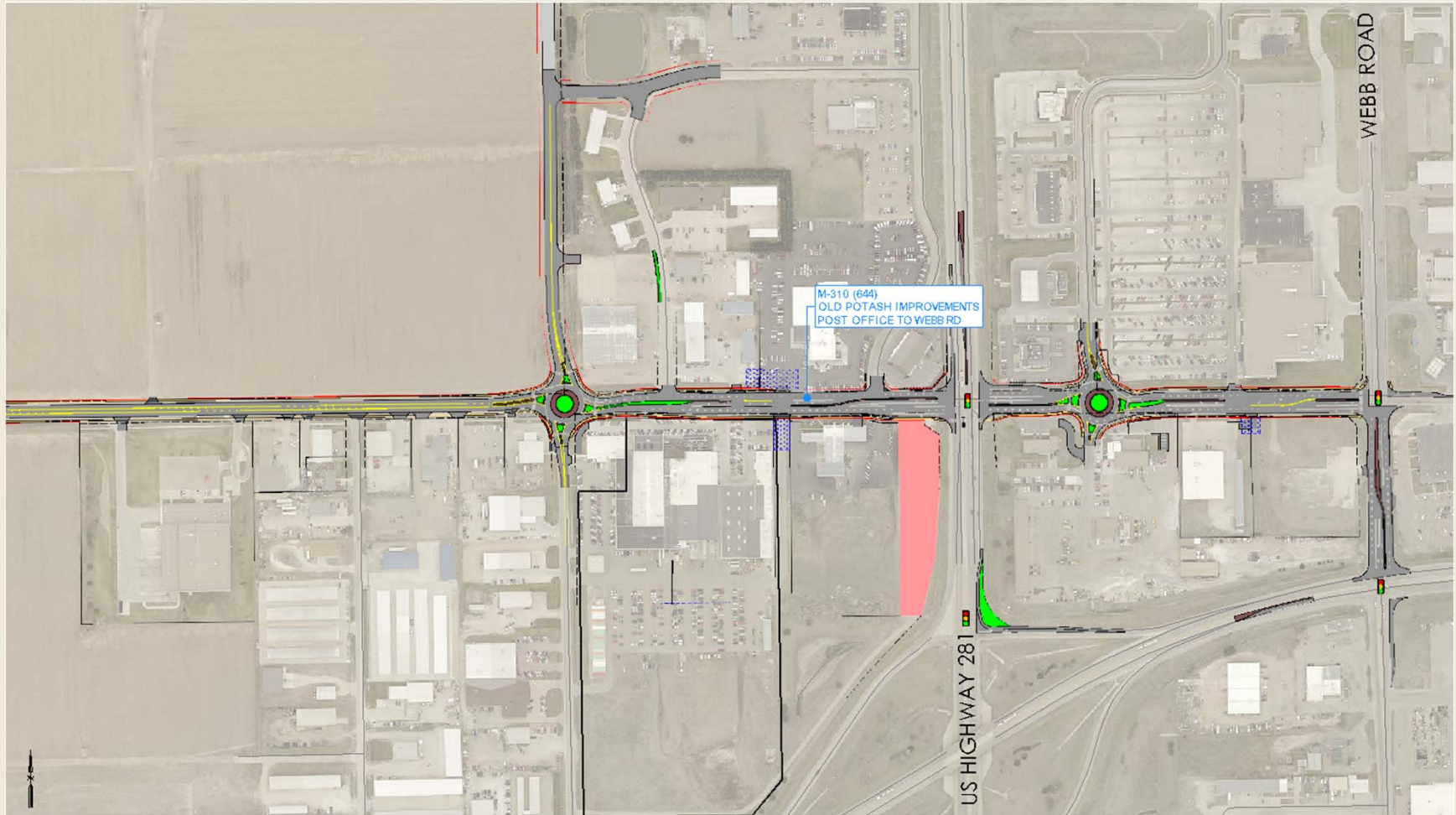
LOCAL RESURFACING M-310 (654)

-  4th Street
-  Sky Park Road
-  Airport Road
-  North Road



OLD POTASH HIGHWAY IMPROVEMENTS M-310 (644)

- The interaction between the various traffic features is complex, prompting the creation of a master plan for the corridor to ensure that the individual street and intersection projects will function together
- Preferred alternative was recently presented, which included widening and reconfiguring Old Potash, signal and geometric improvements at each intersection, and increased connectivity to roadway network
- Anticipated expenditures will include design engineering and property acquisition



Highway 281 Lighting M-310 (497)

- Stolley Park Road to US Highway 30 Interchange lighting
- Addition of roadway lighting to allow for improved safety by creating consistent lighting for commuters on US Highway 281
- Last section from north to south side through the City

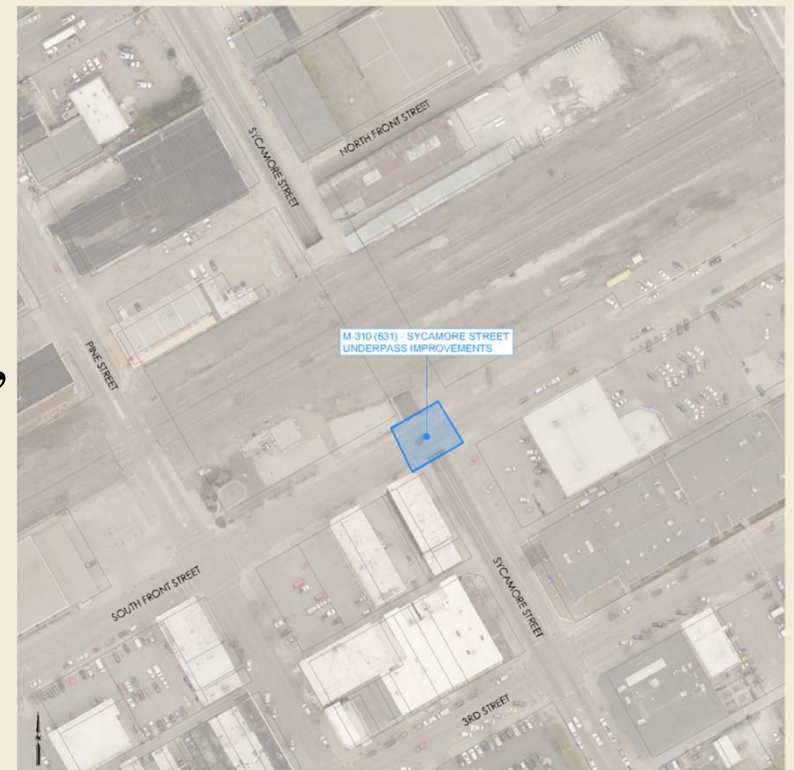
12



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 2019

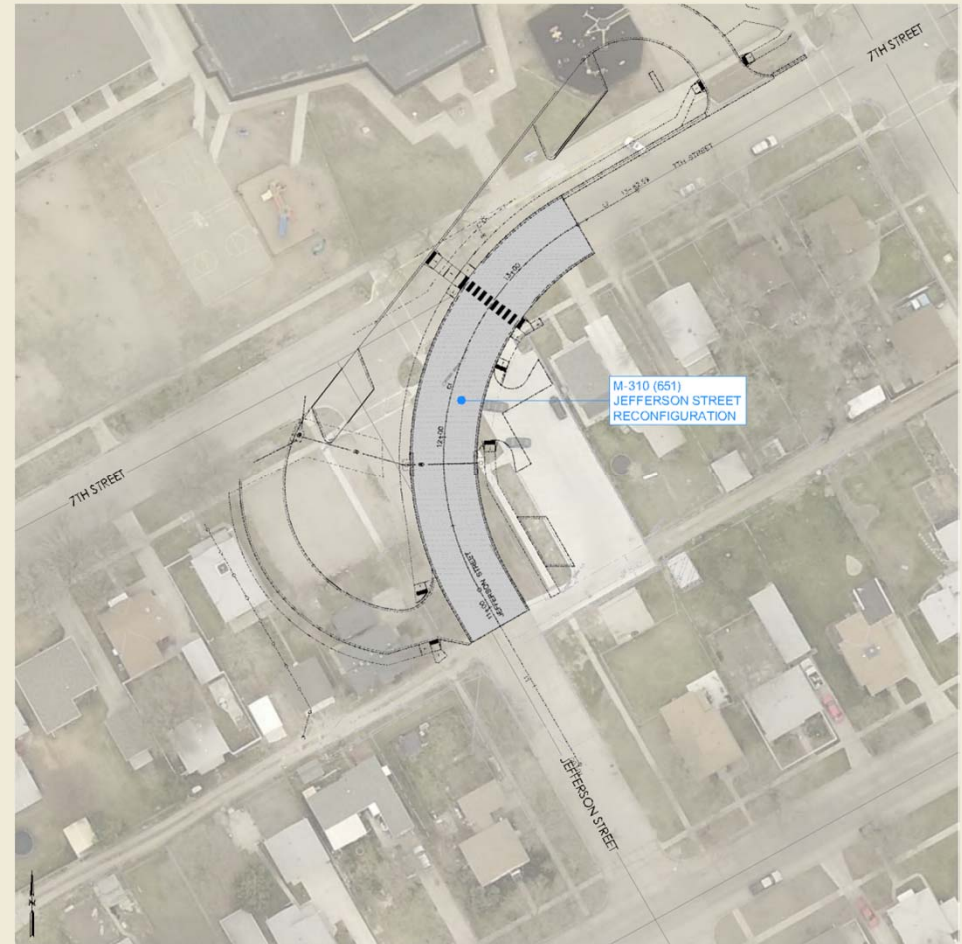




Jefferson Street Reconfiguration M-310 (651)

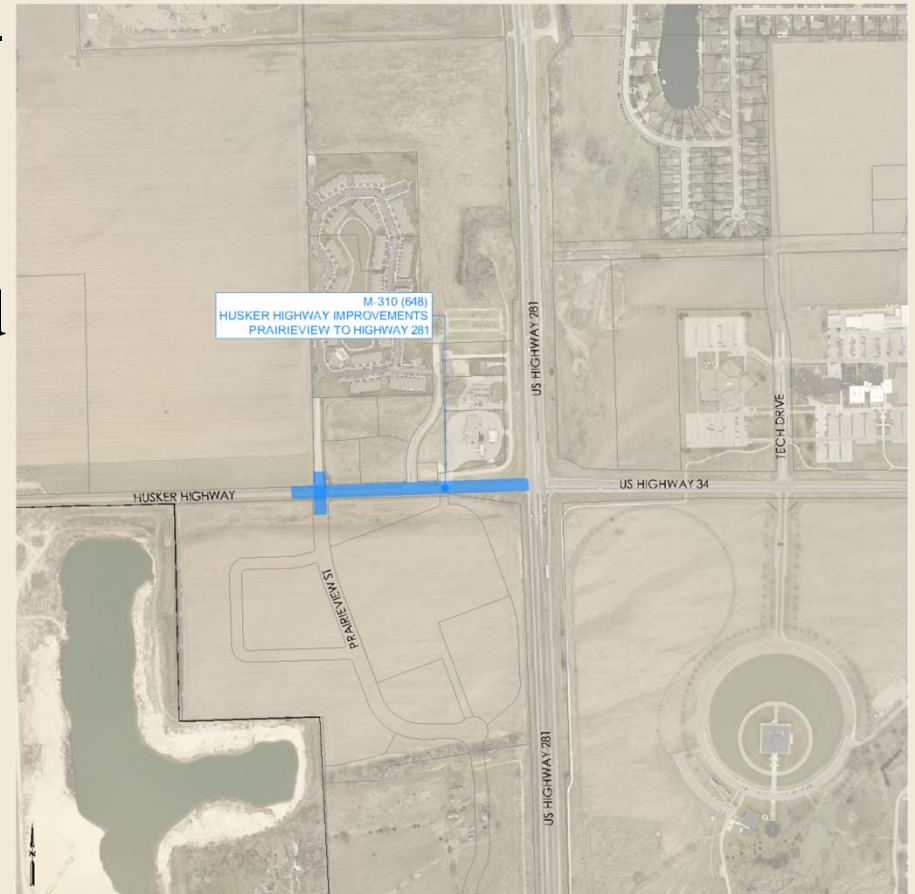
 GIPS project to improve
traffic & pedestrian
safety

16

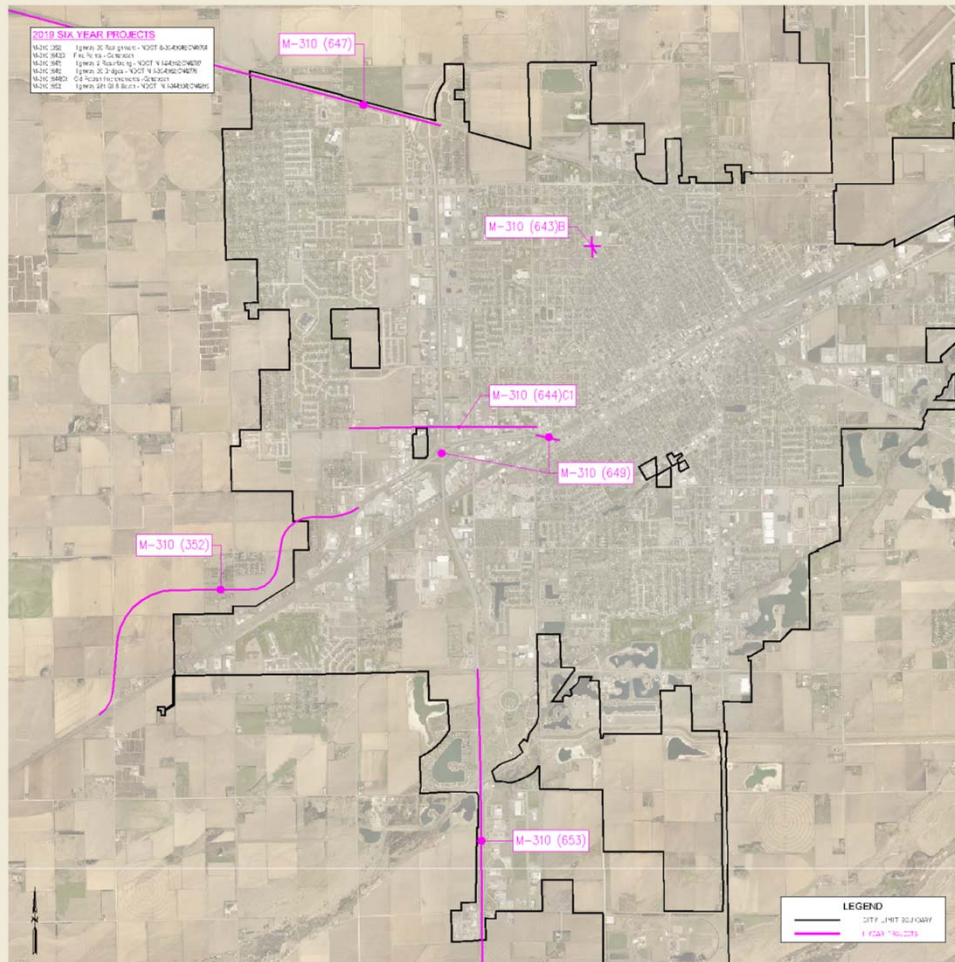


Husker Highway Improvements- Prairieview to Highway 281 M-310 (648)

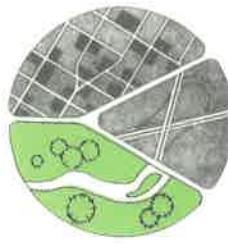
- In connection with Grand Island Regional Hospital development with no City cost
- Improvements to roadway & drainage
- Roundabout at Prairieview Street & Husker Highway



17



2020 – 2024 YEAR PROJECTS MAP



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

January 3, 2019

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 January 2, 2019, 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.

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 to the Five Points intersection and work on the Sycamore Street underpass. Collins described the planned improvements for the Old Potash Highway corridor on either side of Highway 281 and the potential of starting on the North Road projects during the planning period depending on the level of funding generated additional sales tax. He also mentioned the standard local resurfacing projects. Collins then displayed a map of the projects for 2020-2024.

Ruge expressed concern that the Old Potash about the room for stacking at between the round a bout at Wilmar and Old Potash and Collins responded that the model shows there is adequate stacking for the next 10 years but that a dual left turn lane would be needed after that. The project will be built with a turn lane wide enough to stripe for two lanes so when it is needed it will just need restriping and some signal work. Ruge also suggested that a round a bout be considered at the north end of the Claude Road extension north of Old Potash. Collins indicated that there is adequate right of way for those improvements but that the need would outside the projected life of this project. It could be considered at a later time. Ruge also asked about state funding, design and timeline for the Highway 30 realignment. Collins indicated that this project is still moving forward as a state project but that the timing has slipped due to the increased cost of other state projects. He said that he hopes to know more from NDOT by the end of the month. O'Neill closed the public hearing.

A motion was made by Ruge and seconded by Kjar to recommend approval of the Grand Island One and Six Year Street Improvement Plan.

The motion carried with seven members in favor (O'Neill, Ruge, Robb, Randone, Hendricksen Rubio and Kjar) and no members voting no or abstaining.

Yours truly,

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

Chad Nabity AICP
Planning Director