



# City of Grand Island

Tuesday, December 27, 2016

Council Session

## Item E-3

### Public Hearing on One & Six Year Street Improvement Plan

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

Staff Contact: John Collins PE - Public Works Director

# Council Agenda Memo

**From:** Shannon Callahan, Street Superintendent

**Meeting:** December 27, 2016

**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 three 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, December 7, 2016 – Regional Planning Commission will conduct a Public Hearing and forwarded the recommendation to the City Council
- Tuesday, December 27, 2016 – City Council passes a Resolution adopting the plan
- March 1, 2016 – One & Six Year Street Improvement Plan due at the Nebraska Department of Roads

## 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 December 7, 2016. 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 2017 are considered definite projects. These projects were in the approved fiscal year 2017 budget. Many of the projects listed in the One & Six Year Plan for 2018 through 2022 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

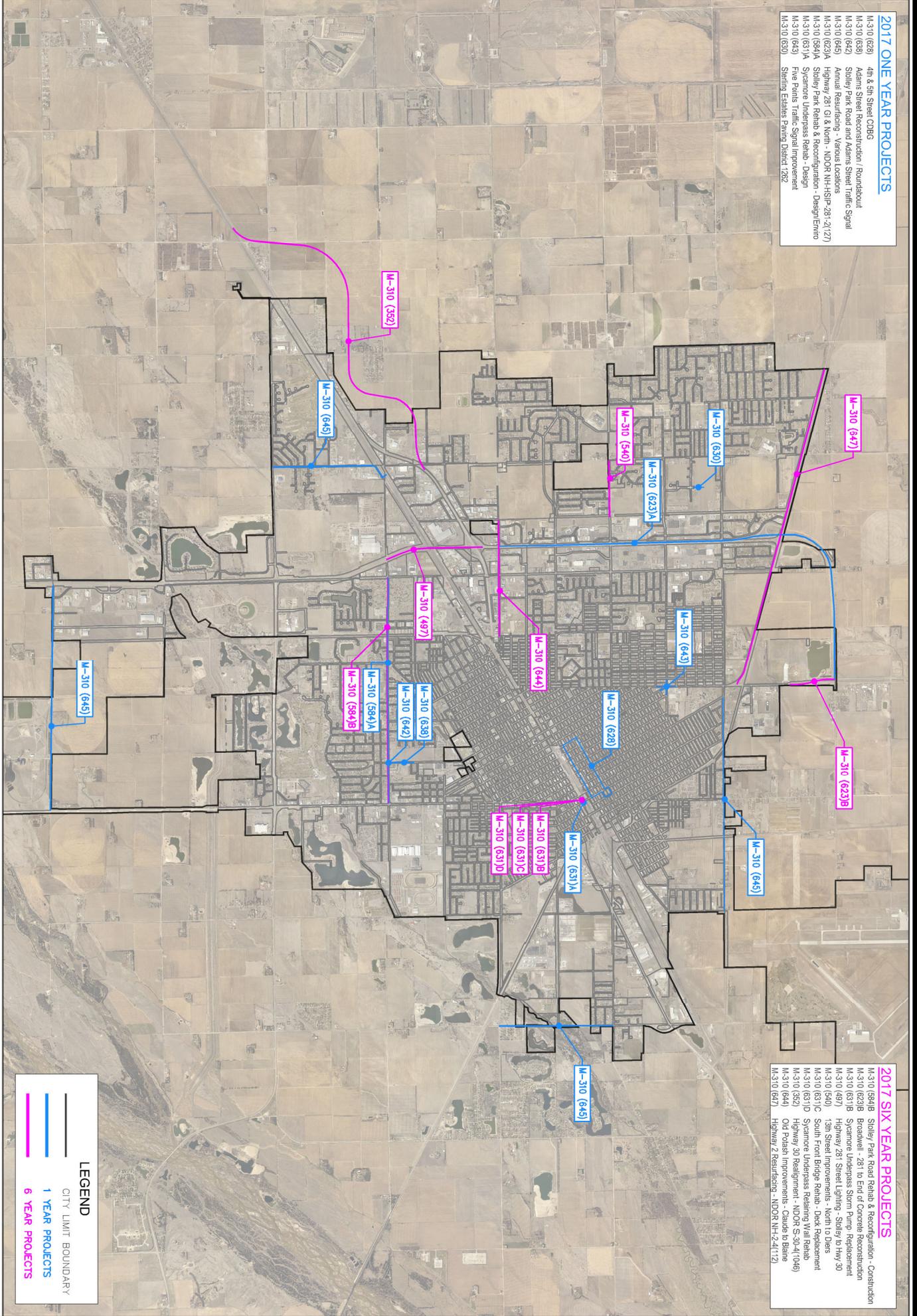
### **Recommendation**

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.

2017 CITY OF GRAND ISLAND  
1 & 6 YEAR STREET IMPROVEMENT PLAN



**LEGEND**

- CITY LIMIT BOUNDARY
- 1 YEAR PROJECTS
- 6 YEAR PROJECTS

- 2017 ONE YEAR PROJECTS**
- M-310 (629) 4th & 5th Street CDBG
  - M-310 (635) Adams Street Reconstruction / Roundabout
  - M-310 (642) Solley Park Road and Adams Street Traffic Signal
  - M-310 (649) Annual Resurfacing - Various Locations
  - M-310 (623A Highway 28 G & North - NODR M-H-SIP-28-2(12)
  - M-310 (683A Solley Park Reland & Reconfiguration - Design
  - M-310 (683A Sycamore Underpass Reland - Design
  - M-310 (643) Five Points Traffic Signal Improvement
  - M-310 (659) Sterling Estates Paving District 282

- 2017 SIX YEAR PROJECTS**
- M-310 (659B Solley Park Road Reland & Reconfiguration - Construction
  - M-310 (623B Riverside Hill 281 to End of Concrete Reconstruction
  - M-310 (623B Sycamore Underpass Storm Pump Replacement
  - M-310 (627) Highway 282 Street Lighting - Solley to Hwy 30
  - M-310 (650) 13th Street Improvements - North to Dunes
  - M-310 (631C South Front Bridge Reland - Deck Replacement
  - M-310 (631D Sycamore Underpass Reland - Deck Replacement
  - M-310 (632) Highway 30 Relandings - NODR S-30-4(1046)
  - M-310 (644) Old Road Improvements - Center to Brane
  - M-310 (647) Highway 2 Resurfacing - NODR M-2-4(112)



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

December 8, 2016

Honorable Jeremy L. Jensen, Mayor  
And Members of the Council  
City Hall 100 E. 1<sup>st</sup> 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 December 7, 2016, 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.

John Collins, Grand Island public works director, discussed the Grand Island 1 & 6 Year Street Improvement Plan.

Collins briefed members on the 2016 Projects, which included Capital Avenue widening, 1<sup>st</sup> & 2<sup>nd</sup> Street resurfacing, creating a radius at Sky Park & Airport Road, handicap ramps for 4<sup>th</sup> & 5<sup>th</sup> Street and the State Fair Blvd and south Locust street traffic signal. Collins also detailed 2017 work to include the Adams Street widening with a roundabout, Highway 281 improvements, and upcoming work for the realignment of Highway 30, which will include additional construction on the Moore Creek Drainway.

A motion was made by Ruge and seconded by Huismann, to recommend approval of the Grand Island 1 & 6 Year Street Improvement Plan as submitted.

A roll call vote was taken and the motion passed with 8 members present and all voting in favor (O'Neill, Ruge, Maurer, Robb, Monter, Rainforth, Huismann and Sears) and no member present voting against.

Yours truly,

Chad Nabity AICP  
Planning Director

1 & 6 YEAR STREET  
IMPROVEMENT PLAN  
2017-2022

Presented by: John Collins, PE

# 2016 SUBSTANTIALLY COMPLETE PROJECTS (FROM 1 & 6 STREET IMPROVEMENT PLAN)

<i>PROJECT</i>	<i>TOTAL PROJECT</i>
Capital Avenue Widening; Webb Rd to Broadwell Ave	\$ 10,166,000
Blaine St Bridge Replacement	\$ 500,000
Sky Park Rd & Airport Rd Intersection Improvements	\$ 10,000
Local Resurfacing; includes 1st & 2nd St (Hwy 30)	\$ 956,000
Waugh St Realignment	\$ 135,000
Jefferson St Paving	\$ 300,000
State Fair Blvd & S Locust St Traffic Signal Relocation	\$ 51,000
Pavement Lifting & Stabilization on S Locust St	\$ 250,000
Pavement Condition Survey	\$ 200,000
TOTAL	\$ 12,568,000

**\*\*DOES NOT INCLUDE ALL CIP PROJECTS**

# 1 & 6 YEAR STREET IMPROVEMENT PLAN

## (NOTES CITY COSTS)

	2017	2018	2019	2020	2021	2022
<i><b>OBLIGATED TO OTHER AGENCIES</b></i>						
4th St & 5th St; Sycamore St to Eddy St ADA Ramps (4th St CDBG)	\$ 165,000					
Adams St Widening, Roundabout & Traffic Signal Installation	\$ 1,000,000					
Hwy 281 in GI & North [\$10,600,000 total project cost]	\$ 1,900,000	\$ 100,000				
Broadwell Ave - Hwy 281 to End Concrete Reconstruction		\$ 1,800,000				
Stolley Park Rd Rehabilitation / Reconfiguration	\$ 13,000	\$ 150,000				
Hwy 30 Realignment, S-30-4(1046) - City Share Est. \$10M				\$ 1,000,000	\$ 1,000,000	
Hwy 2 Resurfacing NDOR, NH-2-4(112) - City Share Est. \$600K				\$ 600,000		
Moore's Creek Drain Extension	\$ 70,000	\$ 580,000	\$ 400,000	\$ 150,000		
<i><b>RECONSTRUCTION/NEW CONSTRUCTION</b></i>						
Asphalt Resurfacing (annual)	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000
Sycamore Underpass Rehabilitation - Design	\$ 80,000	\$ 800,000				
Five Points Traffic Signal Improvement	\$ 350,000					
Sterling Estates Paving District No. 1262	\$ 300,000					
Sycamore Underpass Storm Pump Replacement		\$ 60,000				
South Front St Bridge Rehab - Deck Replacement			\$ 800,000			
Sycamore Underpass Retaining Wall Rehabilitation			\$ 800,000			
<b>TOTAL</b>	\$ 4,778,000	\$ 4,390,000	\$ 2,900,000	\$ 2,650,000	\$ 1,900,000	\$ 900,000

**\*\*DOES NOT INCLUDE ALL CIP PROJECTS**

4<sup>TH</sup> STREET & 5<sup>TH</sup> STREET;  
EDDY STREET TO SYCAMORE STREET  
HANDICAP RAMP INSTALLATION  
M-310 (628)

- \$800,000 Community Development Block Grant (CDBG) with 50% city match to install handicap ramps.
- Construction occurred in 2015 & 2016, with completion scheduled for 2017

# SYCAMORE UNDERPASS REHAB - DESIGN M-310 (631)A

- Design to rehabilitate the bridge deck and retaining walls
- Construction should be completed in 2019



CITY OF GRAND ISLAND  
PUBLIC WORKS DEPARTMENT

SCALE: 1" = 400'  
DATE: NOVEMBER 2016  
DRAWN BY: KJK  
APPVD. BY: PUBLIC WORKS

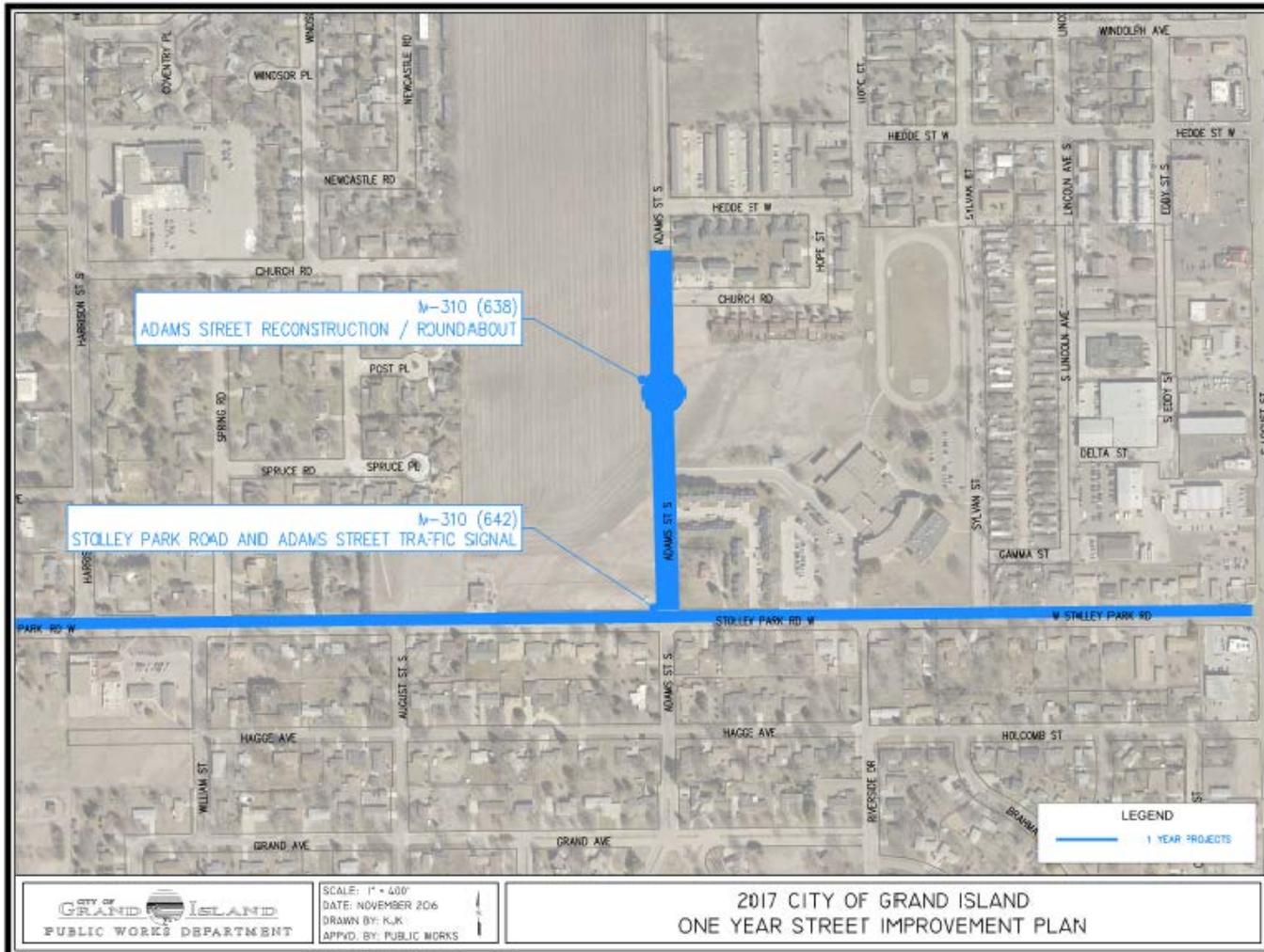
2016 CITY OF GRAND ISLAND  
ONE YEAR STREET IMPROVEMENT PLAN

# ADAMS STREET WIDENING & INTERSECTION IMPROVEMENTS M-310 (638)

- Widen roadway and improve intersection to align with new school entrance
- Relocate traffic signal from Barr Middle School Stolley Park Road entrance to Adams Street

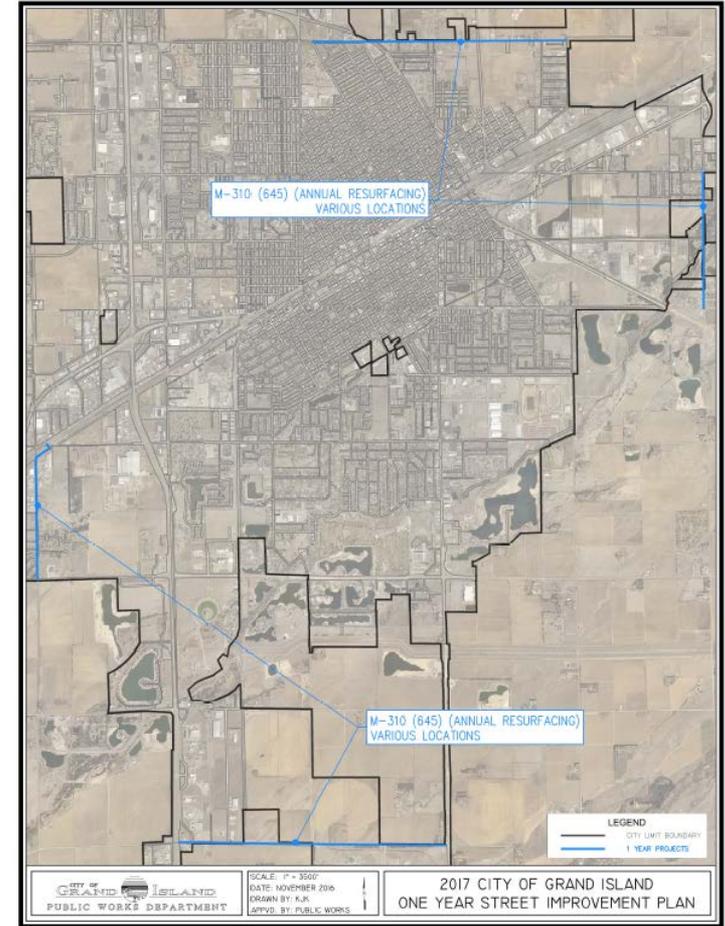
# STOLLEY PARK ROAD RECONFIGURATION M-310 (584)

- Restriping for new lane designations from two lane to three and five lane sections.
- Pavement repairs and/or increased pavement structure to accommodate truck traffic.



## LOCAL RESURFACING M-310 (635)

Maintenance only will be performed on the majority of the section, however areas may require more than maintenance as the project moves forward

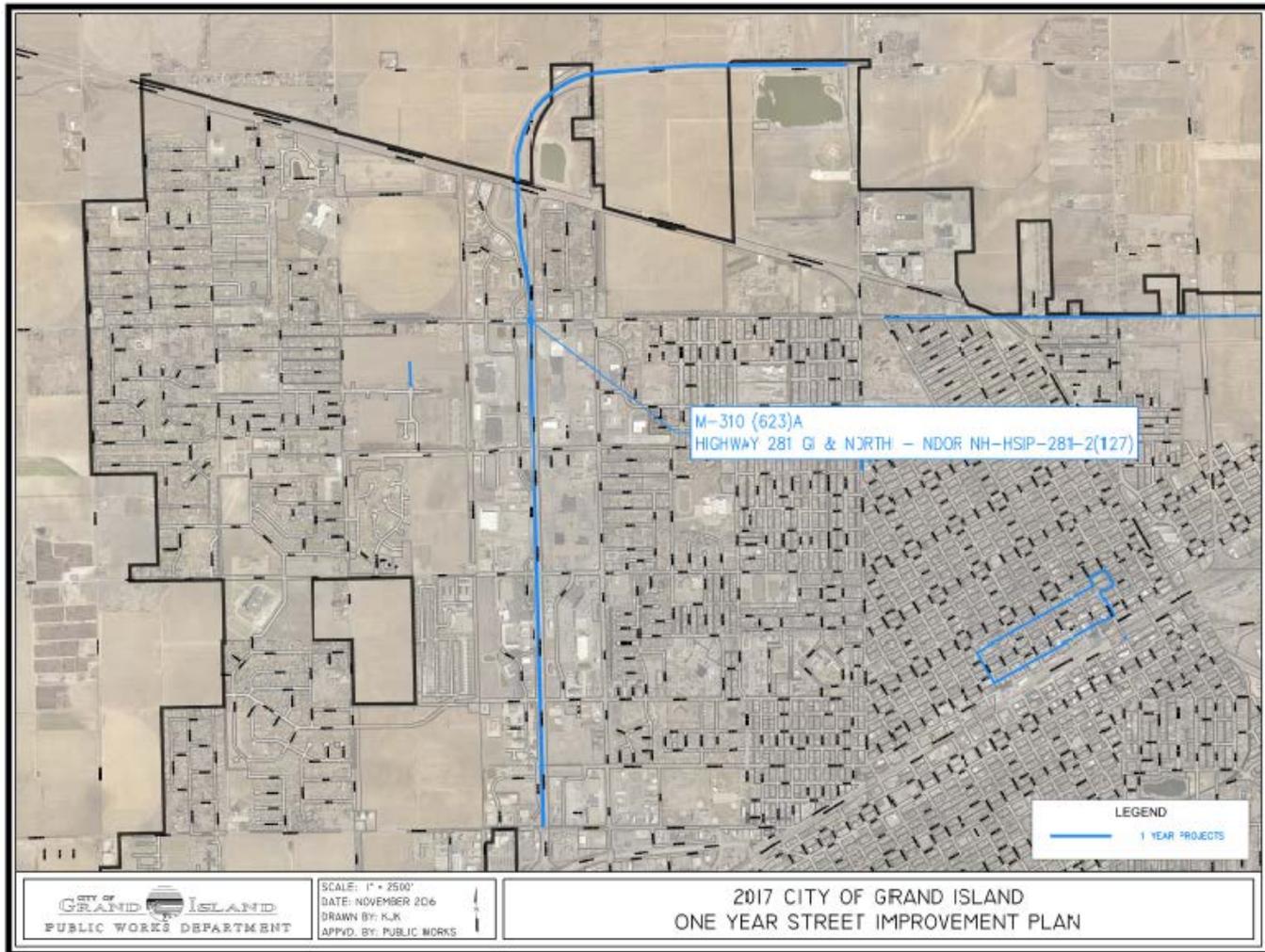


## HWY 281 IN GI & NORTH – NDOR, NH-HSIP-281-2(127) M-310 (623)A

- Resurfacing US Hwy 281 from south of US Hwy 30 to north of Chapman Road
  - City cost sharing on the portion within City limits
- Additional lighting
- Increase left turn lane offsets
  - NB @ Old Potash Hwy, Faidley Ave, 13<sup>th</sup> St, and State St
  - SB @ Old Potash Hwy

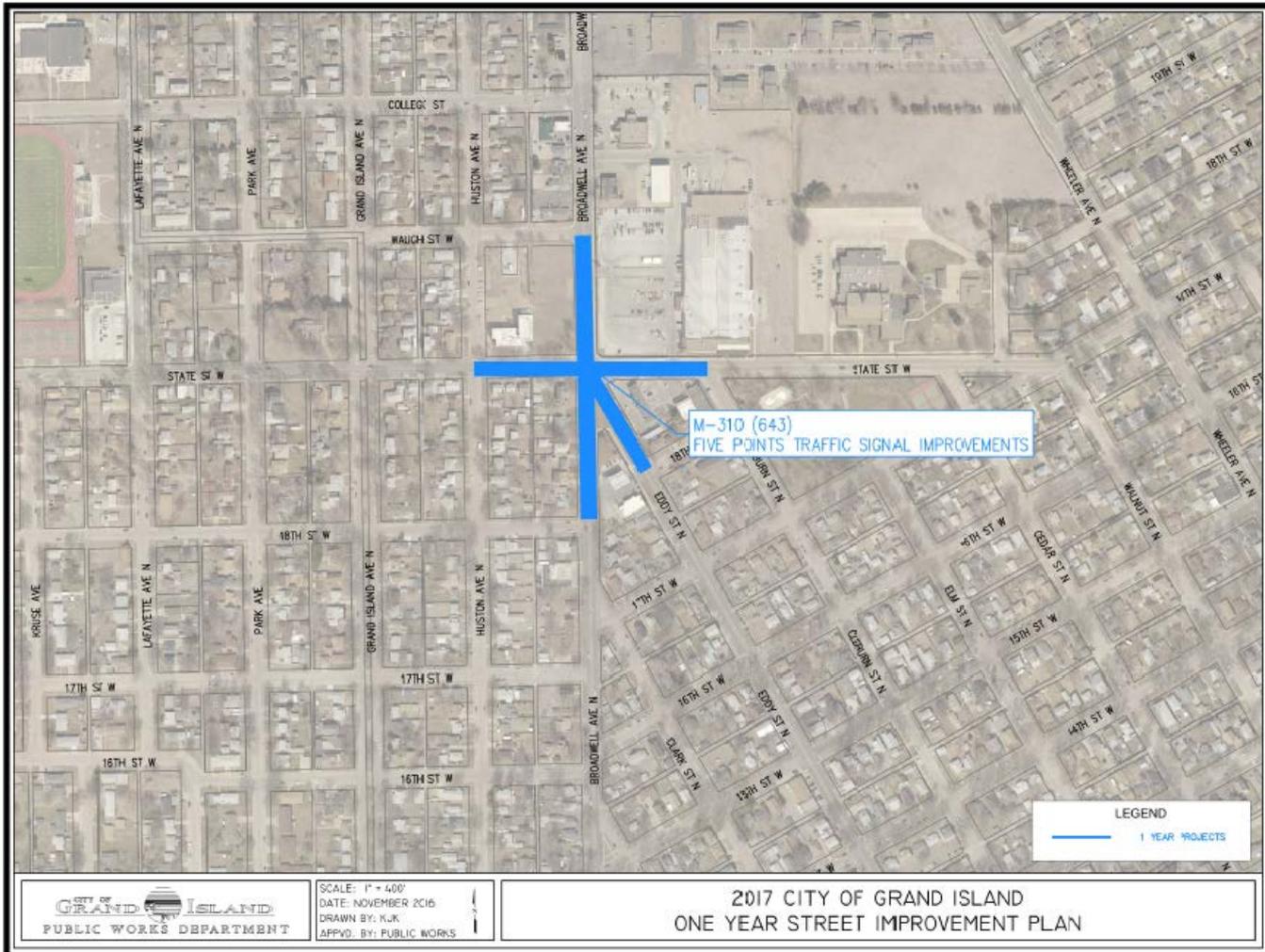
**BROADWELL AVE – HWY 281  
TO END CONCRETE RECONSTRUCTION  
M-310 (623)B**

 Lighting and reconstruction



## FIVE POINTS TRAFFIC SIGNAL IMPROVEMENT M-310 (643)

- Improve traffic signalization & signage at the intersection to accommodate the redevelopment of the area and bring the intersection into compliance with MUTCD requirements



# STERLING ESTATES PAVING DISTRICT NO. 1262 M-310 (630)

- Pave roadway to allow for access to Sterling Estates Park
- Provide parking for Sterling Estates Park



# Moore's Creek Drain Extension M-310 (568)

- Phase I
  - Survey route, preliminary design
- Phase II
  - Final design to coincide with Highway 30 final design, appraisals, and easement acquisitions
- Phase III
  - Complete acquisition of easements
- Phase IV
  - Install culverts under existing City roads where ditch is in conflict

