



Hall County Regional Planning Commission

Wednesday, February 03, 2010
Regular Meeting

Item F3

Concerning adoption of the Grand Island 1 & 6 Year Street Plan

Insert a narrative here

Staff Contact:



City of Grand Island

Tuesday, January 26, 2010

Council Session

Item H1

**Approving Referral of the One & Six Year Street Improvement
Plan to the Regional Planning Commission**

Staff Contact: Steven P. Riehle, Public Works Director

Council Agenda Memo

From: Steven P. Riehle, Public Works Director

Meeting: January 26, 2010

Subject: Approving Referral of the One & Six Year Street Improvement Plan to the Regional Planning Commission

Item #'s: H-1

Presenter(s): Steven P. Riehle, Public Works Director

Background

Attached is staff's recommended One and Six Year Street Improvement Plan. Adoption of a One and Six Year Street Improvement Plan is required by State law as part of the requirements to receive approximately three million dollars of gas tax funds each year.

The attached proposed One and Six Year Street Improvement Plan will be reviewed by the Regional Planning Commission and come back to the City Council for discussion, modification, and adoption in February. Administration recommends that the draft be referred to the Regional Planning Commission.

Our recommendation for the review of the proposed plan is as follows:

- Tuesday, January 26, 2010 - City Council refers the plan to the Regional Planning Commission
- Wednesday, February 3, 2010 – Regional Planning Commission conducts a Public Hearing and forwards a recommendation to the City Council
- Tuesday, February 9, 2010 – City Council hears a presentation from staff, conducts a Public Hearing, and passes a Resolution adopting the plan
- Prepare and submit the report to the Nebraska Department of Roads by March 1, 2010

The proposed One & Six Year SIP is being presented to council for referral to the Regional Planning Commission based on a 400 Capital Improvement Plan ranking system that was presented at the 2009 city council retreat. The ranking system was updated by a city staff team consisting of the following individuals:

- City Engineering/Public Works Director – Steve Riehle
- Manager of Engineering Services – Dave Goedeken

- Civil Engineering Manager – Ron Underwood
- Parks Department Director – Steve Paustian
- Regional Planning Director – Chad Nabity

The One & Six Year Street Improvement Plan (SIP) typically starts with year one (1) for the current construction year, closely matching the projects in the current fiscal year's budget. The projects in year 1 of the plan are considered "certain", with projects in years 2 through 5 being listed for planning purposes and subject to approval by council during the budget process. Future projects for years 2 through 5 and after were scheduled based on council and public input.

Discussion

A few of the 2010 projects that should be discussed include:

Infrastructure Contingency Funds (Emergency)

City Staff believes it is good fiscal management to include funds for emergencies.

Resurfacing US Highway 34/281 from north of I-80 to UPRR/Old Highway 30 Overpass
Construction projects on the state highway system within the city limits are typically 80% NDOR and 20% city cost. The City is a participant in a stimulus project to make improvements to US Hwy 34/US Hwy 281 from just north of I-80 to Capital Avenue.

1. The northbound lanes will be resurfaced from north of I-80 to Stolley Park Road.
2. Patching will be done on the southbound lanes from Capital down to Stolley Park Road (some was done in 2009)
3. Complete removal and replacement of the 2 northbound lanes from Old Potash Hwy to Capital Ave with new concrete. The stimulus project is to be 100% stimulus funds.
4. Adding northbound right turn lanes at Faidley, 13th and State. The City's Capital Ave widening project already built a northbound right turn lane on US Hwy 281 at Capital Avenue.
5. Lengthening the northbound left turn lanes at Old Potash, Faidley, 13th and State Street. The City's Capital Ave widening project already lengthened the northbound left turn lane on US Hwy 281 at Capital Ave.

The NDOR is not using stimulus funds for their 80% share of construction engineering, so we will be signing a supplement to the project agreement to use the City's Federal Aid Transportation Funds for our 20% share of construction engineering.

South Locust Street to I-80

The plans, specifications and estimate (PS&E) package for the project was delivered to the NDOR on Friday, September 25, 2009. The environmental work on the project began in May 2009 with final environmental clearance received on December 23, 2009.

The NDOR has called with a few questions on the PS&E package. Manager of Engineering Services, Dave Goedecken, is keeping track of the requests. We anticipate receiving a summary of comments from the NDOR in February and anticipate less than 1

week of AutoCad and engineering time for Public Works Engineering staff to update the PS&E package. The NDOR will submit the updated PS&E package to the Federal Highway Administration (FHWA) for approval and obligation of funds. The funds have to be obligated before March 1, 2010. The City has requested a completion date for the work that is before the 2010 State Fair, but the final schedule is set by the NDOR and is highly dependent on when the project can be scheduled for bid opening and environmental restrictions that are being placed on the project because of its proximity to the Platte River.

South Locust Street to I-80 – Preliminary Engineering

The City performed the civil engineering design work for this project in-house saving almost \$187,000 in consultant fees. Funds were left in the 2010 budget in case environmental work or preliminary engineering work is needed.

Build Pipes from US Highway 30 to Wasmer Cell

The PS&E package for the project was completed by Kirkham Michael consulting engineers. The NDOR is busy working on Transportation Enhancement & local ARRA stimulus projects for communities across Nebraska and has asked us not to submit the package until April 2010.

Build Drainway from Central Community College to Wood River

The 1978 drainage plan, prepared by McGaughy, Marshall and McMillan, designated a drainage outlet to the Wood River to serve the southwest portion of the City. In 1983, when Stolley Park Road was paved, a temporary connection was made to drain the Brentwood area and some surrounding land. With the large amount of precipitation in recent years, the Stolley Park system has been badly overloaded.

Currently Olsson Associates are working on a design to complete the connection to the Wood River in a similar manner as was designated by the 1978 plan. Construction of this outlet will serve to reduce the dependence on the Stolley Park drain and provide a more positive drainage alignment for the Brentwood area.

Quiet Zone – UPRR Corridor – Oak, Pine, Elm & Walnut

Felsburg, Holt & Ullevig (FHU) was asked to update the plans to narrow the street crossings by Amendment #1, which was approved by the city council on October 13, 2009. The revised plans were sent to the Union Pacific Railroad (UPRR) on January 13, 2010. The transmittal letter asked the UPRR to approve the plans and return an agreement to the City for construction and maintenance of the wayside horn system.

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 refer the One and Six Year Street Improvement Plan to the Regional Planning Commission.

Sample Motion

Move to approve referral of the One and Six Year Street Improvement Plan.

Proposed 1 & 6 Year Street Improvement Plan

1/26/2010

2010 Construction (Year 1)	City Cost
Locust to I-80 - Grading and Paving of northbound lanes	\$126,000
Resurfacing US Hwy 34/281 from north of I-80 to UPRR/Old Hwy 30 Overpass	\$22,000
Construction of NW GI Flood Control Project	\$725,000
Realign Walnut Ent. @ Custer/15th w/ Signal	\$100,540
Build Pipes from US Hwy 30 to Wasmer Cell	\$220,000
Build Drainway from CCC to Wood River	\$382,500
Capital Ave - Moores Creek Drainway to Webb Road	\$150,000
Quiet Zone - UPRR Corridor - Oak, Pine, Elm & Walnut	\$150,000
Stolley - Asphalt Widening - Santa Anita Circle to Fair Parking Lot	\$200,000
Signal @ Front and Webb	\$106,000
PVIP Drainage Project - Phase 1	\$127,000
Integrated/Comprehensive Drainage Plan	\$115,000
Trail along Moores Creek Drain - State to Capital Connector	\$107,970
Moores Creek Drain - Rogers Well to South of Old Potash	\$250,000
Annual Sidewalk Projects	\$25,000
TOTAL	\$2,807,010

2011 Construction (Year 2)	
Construction of NW GI Flood Control Project	\$400,000
Locust Trail - Superstructure over 2 Platte River Bridges	\$92,030
Concrete Lining of Drainage Ditches	\$50,000
Annual Sidewalk Projects	\$25,000
Annual Paving Program (Assessment Districts)	\$750,000
TOTAL	\$1,317,030

2012 Construction (Year 3)	
Construction of NW GI Flood Control Project	\$400,000
Quiet Zone - UPRR Corridor - Lincoln, Broadwell & Blaine/Custer	\$150,000
Broadwell Ave/ UPRR - Environmental Study/Preliminary Engineering	\$128,000
Independence Ave Ditch - Design	\$80,000
Blaine Bridges over WR - Design and ROW	\$45,000
Trail along Veteran's Home from Capital & Webb to Eagle Scout Park	\$120,000
Round-A-Bout @ Capital Ave & North Rd	\$360,000
Faidley Ave - North Rd east to Irongate Ave (approx 2,000')	\$112,500
Update Moores Creek Drainage Plan	\$39,000
Blaine Bridge Replacement with culverts	\$50,000
Broadwell Ave/UPRR- Final Design & ROW Appraisal	\$128,000
Signal @ US Hwy 30 (2nd Street) and Lincoln Ave	\$55,000
Broadwell Ave/UPRR - ROW	\$200,000
Concrete Lining of Drainage Ditches	\$50,000
PVIP Drainage Project - Phase 2	\$99,750
Independence - Construct Culverts & Fill in West Ditch	\$70,000
Annual Sidewalk Projects	\$25,000
Annual Paving Program (Assessment Districts)	\$750,000
TOTAL	\$2,862,250

2013 Construction (Year 4)	
Construction of NW GI Flood Control Project	\$400,000
Trail along Locust from I-80 to WR Floodway	\$120,000
Concrete Lining of Drainage Ditches	\$50,000
US 30 Widening - West City Limits to HWY 281	\$1,890,000
Annual Sidewalk Projects	\$25,000
Annual Paving Program (Assessment Districts)	\$750,000
TOTAL	\$3,235,000

2014 Construction (Year 5)	
Construction of NW GI Flood Control Project	\$400,000
Concrete Lining of Drainage Ditches	\$50,000
Trail along I-80 from Mormon Island to Locust	\$120,000
Annual Sidewalk Projects	\$25,000
Husker Hwy (US Hwy 34) from US Hwy 281 to Locust Street	\$1,336,000
Lighting on US Hwy 281 from Stolley Park to Old Potash	\$250,000
Signal @ US HWY 34/281 and Wildwood Road	\$85,000
Annual Paving Program (Assessment Districts)	\$750,000
TOTAL	\$3,016,000

2015 & After Construction (Year 6 & After)	
Trail - Along Locust from US Hwy 34 to Stagecoach	\$120,000
Broadwell Ave/UPRR - Construction	\$2,160,000
Concrete Lining of Drainage Ditches	\$50,000
Annual Sidewalk Projects	\$25,000
Stolley - Locust to Fonner / HEC / Fair Entrance	\$1,200,000
Stolley - Fonner / HEC / Fair Entrance to Stuhr Road	\$920,000
Husker Hwy West of US HWY 34/281 Intersection	\$1,200,000
Signal @ US HWY 34/281 and Rae Road	\$67,000
Miscellaneous Safety Projects - TBD	\$150,000
North Road over UPRR	\$1,520,000
Stolley Park Rd & North Rd Intersection	\$146,000
Left Turn lane on 13th @ Redwood/Mansfield	\$62,000
State/Diers Intersection Improvements	\$390,000
Left Turn Lane on Husker Hwy @ HLHS	\$62,000
Shady Bend Road @ UPRR - East Bypass	\$3,200,000
Left Turn Lane - North Road at NWHS	\$56,000
Misc Signals (TBD)	\$112,000
Annual Paving Program (Assessment Districts)	\$750,000
North Road & 13th St	\$300,000
Realign Barr Ent. @ Stolley/Adams w/ Signal	\$360,000
Misc. Major Drainage Development	\$250,000
Swift Road - WWTP to Stuhr Road	\$450,000
Capital Ave - Webb Road to Broadwell Ave	\$1,200,000
Resurface Wildwood from US Hwy 281 to Locust St	\$876,000
Moores Creek - Old Potash to Edna	\$150,000
3rd St. Widening - Adams to Eddy	\$90,000
Capital Ave - Broadwell Ave to St. Paul Road	\$1,000,000

TOTAL	<u>\$16,866,000</u>
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