



City of Grand Island

Tuesday, January 27, 2009

Council Session

Item H1

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

Staff Contact: Steven P. Riehle, City Engineer/Public Works Direc

Council Agenda Memo

From: Steven P. Riehle, Public Works Director

Meeting: January 27, 2009

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.

Discussion

The attached draft 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 27, 2009 - City Council refers the plan to the Regional Planning Commission
- Wednesday, February 4, 2009 – Regional Planning Commission conducts a Public Hearing and forwards a recommendation to the City Council
- Tuesday, February 10, 2009 – 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, 2009

The projects listed in the 1 & 6 generally follow along the items that are in the approved budget for capital items. The differences are noted as follows:

1. US Highway 281: The Nebraska Department of Roads (NDOR) is planning a construction project for US Highway 281 that will replace the northbound lanes of the highway from Old Potash Highway to State Street. The project will also lengthen the left turn lanes to increase safety. Both driving lanes at a total width of 25' will be removed and replaced. Sections of the roadway that were repaired at 25' width under the city's patching projects will remain in-place. The city's 20% share of the project cost will be paid for using STP funds administered by the NDOR and will not flow through the city's budget. The project was added to the 1 & 6 for 2009.
2. Stolley Drainage west of Blaine Street / Drainway from CCC to Wood River: The 2009 budget includes \$250,000 under the line item "Construct Drainway from CCC to Wood River". If the storm drainage system downstream of Blaine Street has adequate capacity, a project will be brought forward for council consideration to add an additional 24" storm drainage pipe along Stolley Park Road west of Blaine Street. If there is not adequate capacity, the budgeted funds will be used to get the Drainway started from the Central Community College to the Wood River.
3. Integrated and Comprehensive Drainage Plan: The need for an integrated and comprehensive drainage plan for the community became evident in summer of 2008. The funds for a study were added to the 1 & 6 for calendar year 2010.
4. Update Moores Creek Drainage plan: Public Works Engineering staff recommends that the integrated drainage plan be broken into drainage areas for study and grouped together into the comprehensive plan. The Moores Creek Drainage is one of the basins.

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.

2009 Construction Season

(All costs in \$1,000s)

No.	Project Description	Total Project	State Federal Other	City STP	City G.O. Bond	City Cap. Impr. Fund
Street Construction						
M310- 501	Annual Paving Petition Program (2009) Widen Capital Avenue - Moores Creek	\$300			\$300	
M310- 500	Drainway to Webb Road - Construction Hwy 30 - Grant to Greenwich - NDOR Project (FY 2007) - Pull Boxes for	\$4,500	\$3,375			\$1,125
M310- 351	Roadway Lighting	\$20				\$20
M310- 508	Wasmer Cell Construction	\$873	\$698			\$175
M310- 537	Realign Walnut Middle School entrance with 15th St. & install traffic signal	\$270	\$270			
M310- 409A	S. Locust - Engineering for Completion of Paving to make 4 lanes	\$470		\$380		\$90
M310- 487A	Stolley Park Rd widening, Locust to Fonner Park Ent. (Eng Design & ROW)	\$150				\$150
M310- 550	Construct Left Turn Lane on North Road @ NW High School	\$56				\$56
M310- 566	Highway 281 Resurfacing	\$2,350	\$1,880	\$470		
M310- 499A	Broadwell/UPRR Grade Separation (Preliminary Engineering and Environmental)	\$640	\$512			\$128
Street Resurfacing						
M310- 503	Annual Resurfacing Program (2009)	\$600				\$600
Drainage & Flood Control						
M310- 505	Concrete Lining of Drainage Ditches (2009) Moores, Prairie, & Silver Creek Flood Control - Construction for Northwest Grand Island *City Capital shows in budget book - NRD is handling contract	\$50				\$50
M310- 461		\$825	\$450			\$375
M310- 525	Storm Cell Improvements	\$10				\$10
M310- 459	Construct Drainway from CCC area to Wood River or Build Additional 24" Storm Drainage culvert along Stolley Park Road west of Blaine Street	\$250				\$250
M310- 382	Moores Creek Drainage - along North Road from Rogers Well to S. of Old Potash HWY	\$209				\$209
Other						
M310- 385	Geographic Information System (Continued development and maintenance)	\$25				\$25
M310- 515	Railroad Quiet Zone	\$194				\$194
M310- 389	Hike/Bike Trail Const. along Floodway - Hall County Park to S. Locust	\$408	\$326			\$82
Totals:		\$12,200	\$7,511	\$850	\$300	\$3,539

2010 Construction Season

(All costs in \$1,000s)

No.	Project Description	Total Project	State Federal Other	City STP	City G.O. Bond	City Cap. Impr. Fund
Street Construction						
M310-519	Annual Paving Petition Program (2010) S. Locust, I-80 to Floodway, Grading and Surfacing New Lanes	\$750			\$750	
M310-409	Stolley Park Rd widening, Locust to Fonner Park Entrance (Construction)	\$4,000		\$3,200		\$800
M310-487	Stolley Park Rd widening, Fonner Park Entrance to Sthur Road (Construction)	\$1,200				\$1,200
M310-564	Traffic Signal @ Rae Road/HWY 281	\$920				\$920
M310-545	Round-a-bout - Capital Ave/North Rd Intersection	\$135				\$135
M310-538	Intersection Improvements @ 13th & North Road	\$360				\$360
M310-540	Traffic Signal - HWY 281/Wildwood Dr.	\$300				\$300
M310-458	Intersection Improvements @ North Rd & Stolley Park Rd near UPRR	\$170	\$85			\$85
M310-551		\$146				\$146
Street Resurfacing						
M310-522	Annual Resurfacing Program (2010)	\$500				\$500
Drainage & Flood Control						
M310-485	PVIP Cells & Drainage Independence Avenue	\$127				\$127
M310-507	Drainage(Design/ROW)	\$80				\$80
M310-505	Concrete Lining of Drainage Ditches (2010) Moores, Prairie, & Silver Creek Flood Control - Construction *City Capital shows in budget book, NRD is handling contract	\$50				\$50
M310-461	Integrated and Comprehensive Drainage Plan	\$825	\$450			\$375
M310-567	Storm Cell Improvements	\$230				\$230
M310-525		\$10				\$10
Other						
M310-385	Geographic Information System (Continued development and maintenance)	\$25				\$25
M310-408	Hike/Bike Bridge Superstructure over two Platte River Channels	\$390	\$312			\$78
M310-518	Railroad Quiet Zone	\$150				\$150
M310-447	Hike/Bike Trail Construction - State St. to Veterans Home	\$292	\$234			\$58
Totals:		\$10,660	\$1,081	\$3,200	\$750	\$5,629

2011 Construction Season

(All costs in \$1,000s)

No.	Project Description	Total Project	State Federal Other	City STP	City G.O. Bond	City Cap. Impr. Fund
Street Construction						
M310- 541	Annual Paving Petition Program (2011)	\$750			\$750	
M310- 533	Husker Highway Widening - from 1/4 Mi. west of HWY 281 easterly to Highway 281 Faidley Ave. - From North Road east towards Ridgewood Ave	\$1,200		\$900		\$300
M310- 353	Swift Road - WWTP to Shady Bend Rd	\$1,250			\$1,250	
M310- 521	State St/Diers Ave - Intersection Improvements	\$450				\$450
M310- 528	Capital Ave - Webb to Broadwell Ave	\$390				\$390
M310- 89	Broadwell/UPRR Grade Separation (Engineering)	\$1,200				\$1,200
M310- 499A	Realign Barr Mid. School entrance with Riverside Dr & signal @ Stolley/Adams	\$560	\$448			\$112
M310- 535		\$360	\$306			\$54
Street Resurfacing						
M310- 542	Annual Resurfacing Program (2011)	\$500				\$500
Drainage & Flood Control						
M310- 544	Concrete Lining of Drainage Ditches (2011) Moores, Prairie, & Silver Creek Flood Control - Construction *City Capital shows in budget book, NRD is handling contract	\$50				\$50
M310- 461	Storm Cell Improvements	\$825	\$450			\$375
M310- 525	PVIP Cells & Drainage	\$10				\$10
M310- 485	Independence Ave. Drainage (Construction)	\$272				\$272
M310- 507		\$350		\$280		\$70
Other						
M310- 385	Geographic Information System (Continued development and maintenance)	\$25				\$25
M310- 527	Misc. Safety Enhancements	\$150				\$150
M310- 565	Hike/Bike Trail Construction, S. Locust - Hwy 34 to Super 8 Motel	\$600	\$480			\$120
Totals:		\$8,942	\$1,684	\$1,180	\$2,000	\$4,078

2012 Construction Season

(All costs in \$1,000s)

No.	Project Description	Total Project	State Federal Other	City STP	City G.O. Bond	City Cap. Impr. Fund
Street Construction						
M310- 546	Annual Paving Petition Program (2012)	\$750			\$750	
M310- 539	3rd Street Widening - Adams to Eddy St.	\$90				\$90
M310- 267	Two Bridge Replacements - Blaine @ Wood River (Engineering Design)	\$45				\$45
M310- 553	13th Street - Intersection Improvements @ Mansfield Rd/Redwood Rd	\$62				\$62
M310- 554	Resurface Wildwood Rd - U.S. HWY 281 to Locust St.	\$876	\$701			\$175
M310- 499A	Broadwell/UPRR Grade Separation (Right of Way)	\$1,000	\$800			\$200
M310- 552	Left Turn Lane on Husker HWY @ Heartland Lutheran High School	\$62				\$62
Street Resurfacing						
M310- 547	Annual Resurfacing Program (2012)	\$500				\$500
Drainage & Flood Control						
M310- 548	Annual Major Drainage Development (2012)	\$500				\$500
M310- 549	Concrete Lining of Drainage Ditches (2012)	\$50				\$50
M310- 461	Moores, Prairie, & Silver Creek Flood Control - Construction *City Capital shows in budget book, NRD is handling contract	\$825	\$450			\$375
M310- 525	Storm Cell Improvements	\$10				\$10
M310- 511	Moores Creek Drainage - along North Road from Old Potash HWY to Edna Dr.	\$150				\$150
Other						
M310- 385	Geographic Information System (Continued development and maintenance)	\$25				\$25
M310- 431	Hike/Bike Trail Construction, S. Locust Floodway to I-80	\$600	\$480			
M310- 527	Misc. Safety Enhancements	\$150				\$150
Totals:		\$5,695	\$2,431	\$0	\$750	\$2,394

2013 Construction Season

		(All costs in \$1,000s)				
No.	Project Description	Total Project	State Federal Other	City STP	City G.O. Bond	City Cap. Impr. Fund
Street Resurfacing						
M310- 555	Annual Paving Petition Program	\$750			\$750	
M310- 411	Highway 34 - Highway 281 to Locust - NDOR Project	\$1,336	\$1,069	\$267		
M310- 267	Two Bridge Replacements - Blaine @ Wood River (Construction)	\$250	\$120			\$130
M310- 499	Grade Separation Broadwell @ UPRR	\$10,800	\$9,720	\$1,080		
Street Resurfacing						
M310- 557	Annual Resurfacing Program (2013)	\$500				\$500
Drainage & Flood Control						
M310- 558	Annual Major Drainage Development (2013)	\$500				\$500
M310- 559	Concrete Lining of Drainage Ditches (2013) Moores, Prairie, & Silver Creek Flood Control - Construction (Due remainder of Project) *City Capital shows in budget book, NRD is handling contract	\$50				\$50
M310- 461	Moore's Creek Flood Control - Construction (Due remainder of Project) *City Capital shows in budget book, NRD is handling contract	\$825	\$450			\$375
M310- 568	Update of Moores Creek Drainage Plan	\$78				\$78
M310- 525	Storm Cell Improvements	\$10				\$10
Other						
M310- 414	Hike/Bike Trail Const. - S Locust to Morman Island (Parallel to I-80)	\$600	\$600			
M310- 385	Geographic Information System (Continued development and maintenance)	\$25				\$25
M310- 527	Misc. Safety Enhancements	\$150				\$150
Totals:		\$15,874	\$11,959	\$1,347	\$750	\$1,818

2014 and After Construction

		(All costs in \$1,000s)				
No.	Project Description	Total Project	State Federal Other	City STP	City G.O. Bond	City Cap. Impr. Fund
Street Construction						
M310-334	Widen Eddy Street Underpass to 5-lanes on south end	\$175				\$175
M310-498	S. Locust - Illumination Lighting S. City Limits to I-80	\$1,000		\$800		\$200
M310-352	Hwy 30 - Hwy 281 to west City Limits - NDOR Project *NDOR handling contract, using STP Funds which won't be reflected in budget book	\$13,000	\$11,110	\$1,890		
M310-560	Annual Paving Petition Program (2014)	\$750			\$750	
M310-502	Grade Separation Shady Bend Road @ UPRR	\$16,000	\$14,400	\$1,600		
M310-536	Traffic Signal - Locust St./Fonner Park Heartland Event Center Center Entrance	\$150				\$150
M310-556	Grade Separation North Road @ UPRR	\$7,600	\$6,840	\$760		
M310-480	Independence Avenue Paving - Shanna St. to Manchester Ave.	\$1,050			\$1,050	
M310-520	Capital Ave - Broadwell to St. Paul Road	\$1,000			\$1,000	
Street Resurfacing						
M310-561	Annual Resurfacing Program (2014)	\$500				\$500
Drainage & Flood Control						
M310-562	Annual Major Drainage Development (2014)	\$500				\$500
M310-563	Concrete Lining of Drainage Ditches (2014)	\$50				\$50
M310-461	Moore's, Prairie, & Silver Creek Flood Control - Construction (Due remainder of Project)	\$2,450	\$1,336			\$1,114
M310-525	Storm Cell Improvements	\$10				\$10
Other						
M310-526	Hike/Bike Trail Const. along Floodway - S. Locust to Platte River	\$600	\$480			\$120
M310-517	Hike/Bike Trail Const. - Veterans Home to Eagle Scout Park	\$600	\$480			
M310-385	Geographic Information System (Continued development and maintenance)	\$25				\$25
M310-416	BLDG Improvements at West Yard	\$375				\$375
M310-527	Misc. Safety Enhancements	\$150				\$150
M310-497	Illuminating Lighting - HWY 281, Stolley to Old Potash	\$250				\$250
Totals:		\$46,235	\$34,646	\$5,050	\$2,800	\$3,619