



City of Grand Island

Tuesday, January 24, 2006

Council Session

Item H1

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

Staff Contact: Steven P. Riehle, Public Works Director

Council Agenda Memo

From: Steven P. Riehle, Public Works Director

Meeting: January 24, 2006

Subject: Approving Referral of One & Six Year Street Improvement Program to 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 Program. Adoption of a One and Six Year Street Improvement Program is required by State law as part of the requirements to receive approximately three million dollars of gas tax funds each year.

Discussion

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

- Tuesday, January 24, 2006 – City Council refers plan to Regional Planning Commission.
- Wednesday, February 1, 2006 – Regional Planning Commission conducts Public Hearing and forwards recommendation to City Council.
- Tuesday, February 14, 2006 – City Council hears presentation from staff, conducts a Public Hearing, and passes a Resolution adopting the plan.

Alternatives

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

1. Make a motion to approve the referral of the One and Six Year Street Improvement Program to the Regional Planning Commission.

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

Recommendation

City Administration recommends that the Council refer the One and Six Year Street Improvement Program to the Regional Planning Commission.

Sample Motion

Approve the referral of the One and Six Year Street Improvement Program.

2006 CONSTRUCTION SEASON

(All Costs in \$1,000's)

No.	Project Description	Total Project	State Federal Other	City STP	City G.O. Bond	City Cap. Impr. Fund
Street Construction						
M310- 386	S. Locust, Floodway to I-80, Bridge C0040 4120R	\$690		\$552		\$138
M310- 388	S. Locust, Floodway to I-80, Bridge C0040 4125R	\$780		\$624		\$156
M310- 463	Construction E&I - Two bridges over Platte (C0040-4120R & 4125R)	\$210		\$168		\$42
M310- 468	2006 Paving Petition Program	\$0			\$0	
M310- 500	Widen Capital Avenue - Moores Creek Drainway to Webb Road (Design & ROW) State St/Diers Ave - Intersection	\$860				\$860
M310- 528	Improvements	\$390				\$390
M310- 529	Public Safety Center/Hall County Jail - Entrance Drive Const. & Drainage	\$305	\$128			\$177
M310- 407	S. Locust - HWY 34 to I-80 - Additional Landscaping	\$60	\$48			\$12
M310- 530	Traffic Signal - HWY 30 @ Public Safety Cntr/Hall County Jail Entrance	\$180	\$90			\$90
M310- 531	Asphaltic Paving - Dale Roush Subs (Indian Acres)	\$325				\$325
M310- 532	Extending Faidley Ave Paving - 650' west from existing pavement	\$195				
Street Resurfacing						
M310- 470	Annual Resurfacing Program	\$550				\$550
Drainage & Flood Control						
M310- 446	Annual Major Drainage Development	\$50				\$50
M310- 467	Concrete Lining of Drainage Ditches	\$50				\$50
M310- 509	Detention Cell/Ditch Restoration	\$50				\$50
M310- 461	Moores.Prairie, & Silver Creek Flood Control Design (Northwest Grand Island)	\$486	\$243			\$243
Other						
M310- 385	Geographic Information System (Continued Development & Maintenance)	\$25				\$25
M310- 510	Misc. Safety Enhancements	\$150				\$150
M310- 389	Hike/Bike Trail Const. along Floodway - Hall County Park to S. Locust	\$435	\$348			\$87
M310- 384	Construct One Landscaped Gateway Node (No. 1)	\$25				\$25
TOTALS:		\$5,816	\$857	\$1,344	\$0	\$3,420

2007 CONSTRUCTION SEASON

(All Costs in \$1,000's)

No.	Project Description	Total Project	State Federal Other	City STP	City G.O. Bond	City Cap. Impr. Fund
Street Construction						
M310- 409	S. Locust Grading and Median Drains for New Lanes (2007)	\$720		\$576		\$144
M310- 341	S. Locust I-80 to Floodway, Surfacing New Lanes (2007)	\$2,750		\$2,200		\$550
M310- 475	2007 Paving Petition Program	\$600			\$600	
M310- 500	Widen Capital Avenue - Moores Creek Drainway to Webb Road - Construction Hwy 30 - Grant to Greenwich - NDOR	\$3,400		\$2,550		\$850
M310- 351	Project (FY 2007)	\$3,749	\$2,999	\$750		
M310- 267	Two Bridge Replacements - Blaine @ Wood River (Engineering Design)	\$45				\$45
M310- 458	Traffic Signal - HWY 281/Wildwood Dr.	\$160	\$80			\$80
M310- 508	Wasmer Cell Construction	\$170				\$170
M310- 533	Husker Highway Widening - from 1/4 Mi. west of HWY 281 easterly to Highway 281	\$1,200		\$900		\$300
M310- 534	Extend Redwood Road to 13th St. to serve new Middle School	\$400				\$400
M310- 535	Realign Barr Mid. School entrance with Riverside Dr & signal @ Stolley/Adams	\$360	\$306			\$54
M310- 536	Traffic Signal - Locust St./Fonner Park	\$150				\$150
M310- 537	Heartland Event Center Center Entrance Realign Walnut Middle School entrance with 15th St. & install traffic signal	\$235	\$200			\$35
Street Resurfacing						
M310- 476	Annual Resurfacing Program (2007)	\$500				\$500
Drainage & Flood Control						
M310- 471	Annual Major Drainage Development (2007)	\$50				\$50
M310- 472	Concrete Lining of Drainage Ditches(2007) Moores,Prairie, & Silver Creek Flood Control for Northwest Grand Island -	\$50				\$50
M310- 461	Construction	\$780	\$420			\$360
M310- 512	Detention Cell/Ditch Restoration	\$50				\$50
M310- 485	PVIP Cells & Drainage	\$127				\$127
M310- 507	Independence Avenue Drainage	\$80				\$80
M310- 382	Moores Creek Drainage - along North Road from Rogers Well to S. of Old Potash HWY	\$200				\$200
Other						
M310- 385	Geographic Information System (Continued Development & Maintenance)	\$25				\$25
M310- 513	Misc. Safety Enhancements	\$150				\$150
M310- 387	Construct One Landscaped Gateway Node (No. 2)	\$25				\$25
M310- 408	Hike/Bike Bridge Superstructure over two Platte River Channels	\$350	\$280			\$70
M310- 431	Hike/Bike Trail Construction, S. Locust - Floodway to I-80	\$600	\$480			\$120
TOTALS:		\$16,926	\$4,765	\$6,976	\$600	\$4,585

2008 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- 490	Annual Paving Petition Program (2008) Stolley Park Rd widening, Locust to Fonner Park Ent. (Eng Design & ROW)	\$750			\$750	
M310- 487A	Faidley Ave. - Moores Creek Ditch to North Rd.	\$150			\$150	
M310- 353	Two Bridge Replacements - Blaine @ Wood River	\$1,250			\$1,250	
M310- 267	Independence Avenue Paving - Shanna St. to Manchester Ave.	\$250	\$120			\$130
M310- 480	Round-a-bout - Capital Ave/North Rd	\$1,050			\$1,050	
M310- 538	Intersection	\$360				\$360
M310- 539	3rd Street Widening - Adams to Eddy St.	\$90				\$90
Street Resurfacing						
M310- 491	Annual Resurfacing Program (2008)	\$500				\$500
Drainage & Flood Control						
M310- 492	Annual Major Drainage Development (2008)	\$500				\$500
M310- 493	Concrete Lining of Drainage Ditches(2008) Moores, Prairie, & Silver Creek Flood Control - Construction for Northwest Grand Island	\$50				\$50
M310- 461	Detention Cell/Ditch Restoration	\$780	\$420			\$360
M310- 514	PVIP Cells & Drainage	\$50				\$50
M310- 485	Construct Drainway from CCC area to Wood River	\$263				\$263
M310- 459	Moores Creek Drainage - along North Road from Old Potash HWY to Edna Dr.	\$425				\$425
M310- 511		\$150				\$150
Other						
M310- 414	Hike/Bike Trail Construction, S. Locust to Morman Island. (Parallel to I-80)	\$600	\$480			\$120
M310- 385	Geographic Information System (Continued development and maintenance)	\$25				\$25
M310- 515	Misc. Safety Enhancements	\$150				\$150
M310- 390	Construct One Landscaped Gateway Node (No 3)	\$25				\$25
M310- 497	Illuminating Lighting - HWY 281, Stolley to Old Potash	\$250				\$250
TOTALS		\$7,668	\$1,020	\$0	\$3,200	\$3,448

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 Eddy Street Underpass to 5-lanes on south end	\$750			\$750	
M310- 334	Stolley Park Rd widening, Locust to Fonner Park Entrance (Construction)	\$175				\$175
M310- 487	Intersection Improvements @ 13th & North Road	\$1,200			\$1,200	
M310- 540		\$300				\$300
Street Resurfacing						
M310- 503	Annual Resurfacing Program (2009)	\$500				\$500
Drainage & Flood Control						
M310- 504	Annual Major Drainage Development (2009)	\$500				\$500
M310- 505	Concrete Lining of Drainage Ditches(2009) Moores,Prairie, & Silver Creek Flood Control - Construction	\$50				\$50
M310- 461		\$780	\$420			\$360
M310- 516	Detention Cell/Ditch Restoration	\$50				\$50
Other						
M310- 385	Geographic Information System (Continued development and maintenance)	\$25				\$25
M310- 518	Misc. Safety Enhancements Construct One Landscaped Gateway Node (No 4)	\$150				\$150
M310- 397	Hike/Bike Trail Construction - State St. to Veterans Home	\$25				\$25
M310- 447		\$600	\$480			\$120
TOTALS		\$5,105	\$900	\$0	\$1,950	\$2,255

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) Hwy 30 - Hwy 281 to west City Limits -	\$750			\$750	
M310- 352	NDOR Project	\$9,449	\$7,559		\$1,890	
Street Resurfacing						
M310- 522	Annual Resurfacing Program (2010)	\$500				\$500
Drainage & Flood Control						
M310- 523	Annual Major Drainage Development (2010)	\$500				\$500
M310- 524	Concrete Lining of Drainage Ditches(2010) Moores,Prairie, & Silver Creek Flood	\$50				\$50
M310- 461	Control - Construction	\$780	\$420			\$360
M310- 525	Detention Cell/Ditch Restoration	\$50				\$50
Other						
M310- 385	Geographic Information System (Continued development and maintenance)	\$25				\$25
M310- 527	Misc. Safety Enhancements Construct One Landscaped Gateway Node	\$150				\$150
M310- 415	(No. 5) Hike/Bike Trail Const. - Veterans Home to	\$25				\$25
M310- 517	Eagle Scout Park	\$600	\$480			\$120
TOTALS:		\$12,879	\$8,459	\$0	\$2,640	\$1,780

2011 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- 541	Annual Paving Petition Program (2011)	\$750			\$750	
M310- 89	Capital Ave - Webb to Broadwell Ave	\$2,500			\$2,500	
M310- 520	Capital Ave - Broadwell to St. Paul Road	\$2,500			\$2,500	
M310- 499	Grade Separation Broadwell @ UPRR	\$12,000	\$600		\$11,400	
M310- 502	East Bypass Grade Separation @ UPRR	\$16,000	\$800		\$15,200	
M310- 498	Limits to I-80	\$1,000				\$1,000
M310- 411	Hwy 34 - Locust to Hwy 281 - NDOR Project	\$6,679	\$5,343		\$1,336	
M310- 521	Swift Road - WWTP to Shady Bend Rd	\$450				\$450
Street Resurfacing						
M310- 542	Annual Resurfacing Program (2011)	\$500				\$500
Drainage & Flood Control						
M310- 543	Annual Major Drainage Development (2011)	\$500				\$500
M310- 544	Concrete Lining of Drainage Ditches(2011) Moores,Prairie, & Silver Creek Flood Control - Construction (Due remainder of Project)	\$50				\$50
M310- 461		\$4,680	\$2,520			\$2,160
M310- 525	Detention Cell/Ditch Restoration	\$50				\$50
Other						
M310- 435	Construct One Landscaped Gateway Node (No. 6)	\$25				\$25
M310- 385	Geographic Information System (Continued development and maintenance)	\$25				\$25
M310- 416	BLDG Improvements at West Yard	\$375				\$375
M310- 526	Hike/Bike Trail Const. along Floodway - S. Locust to Platte River	\$600	\$480			\$120
M310- 527	Misc. Safety Enhancements	\$150				\$150
TOTALS		\$48,834	\$9,743	\$0	\$33,686	\$5,405

Discussion of 2006 Projects for the One and Six Year Street Improvement Program

**M310 – 386
388
463**

Description

Construction contract and engineering for two (2) new bridges on South Locust Street over two branches of the Platte River north of I-80.

Remarks

Construction began in Fall 2005. Work is underway with a contract completion date of Fall 2006.

M 310 – 468

Description

2006 Paving Petition Program

Remarks

These dollars are budgeted for districts to pave existing streets such as the gravel streets in Indian Acres (estimated at \$325,000) or for developer requested districts such as the extension of Faidley Avenue west of Diers Avenue (estimated at \$195,000). These two projects total \$520,000. Originally \$500,000 was budgeted for FY 2005/2006.

M 310 – 500

Description

Widen Capital Avenue; Moores Creek Drainway to Webb Road

Remarks

The project was originally scheduled for bids to be opened in Fall 2005; however, the project has slipped because of delays in obtaining federal approval of the project. A noise study is being required by the Federal Highway Administration before any acquisition of Right-of-Way can occur. The Council will consider an amendment to the agreement with Olsson Associates to perform the noise study and design work needed to put in a temporary traffic signal at the Diers/Capital Avenue intersection and add an eastbound right turn lane for traffic on Capital Avenue approaching US Highway 281. The traffic signal and right turn lane would be constructed in summer 2006. The scheduled letting date for the widening project has been pushed to Fall 2006 (F/Y 2006/2007) with the bulk of the work taking place in 2007.

M 310 - 528

Description

State Street and Diers Avenue
Intersection Improvements

Remarks

Since the federal aid for the Capital Avenue Widening Project listed above is being delayed, it is being proposed to do city-funded improvements at this intersection in the summer of 2006. Right turn lanes would be built for Northbound traffic on Diers approaching State Street; Westbound traffic on State Street approaching Diers Avenue; Eastbound traffic on State Street approaching US HWY 281, and Southbound traffic on US HWY 281 approaching State Street. Additional Right-of-Way will be needed from Wendy's and Taco Bell. Construction work could be completed in the fall of 2006 depending on Right-of-Way negotiations.

M 310 - 529

Description

Public Safety Center / Hall County Jail Entrance Driveway

Remarks

The Civil Engineering firm working for the Public Safety Center's Architect is preparing plans for the water main, sanitary sewer, storm sewer and the shared driveway to the two facilities. The city will prepare specifications for the work, open bids, and supervise the construction.

M 310 - 407

Description

South Locust; US HWY 34 to I-80
Additional Landscaping

Remarks

The county will open bids for a federal aid project to plant trees along Locust Street. The city will use federal funds for the trees planted inside the city limits.

M 310 - 530

Description

Traffic Signal; US HWY 30 at the Public Safety Center / Hall County Jail Driveway

Remarks

A traffic signal is being proposed to facilitate safe traffic flow.

M 310 - 531

Description

Asphalt Paving; Dale Roush Subdivisions (Indian Acres)

Remarks

The gravel streets will be paved with asphalt under a Street Improvement District with the costs being assessed to the benefiting property owners.

M310 - 532

Description

Extending Faidley Avenue for 650' West From Existing Pavement

Remarks

The developer of the property along the north side of the proposed paving requested an assessment district be created. Completion of this 650' long section of 41' wide concrete curb and gutter paving leaves approximately a 2000' gap to North Road.

M310 – 510

Description

Miscellaneous Safety Improvements

Remarks

One project is to realign 17th Street approach to the intersection with Walnut street / State Street; square up the approach.

Other safety enhancement projects that are being considered are realigning a few angled intersections along Broadwell.

There may be other safety enhancements as a result of the Public Works 2005 Traffic Accident Report.

2006 Construction Season

Northwest Grand Island
Moore's, Prairie
& Silver Creek
Flood Control Design

Widen Capital Avenue
Moore's Creek Drainway
To Webb Road
Design and Right-of-Way

Annual Paving Petition Program
Annual Asphalt Resurfacing Program
Annual Major Drainage Development
Concrete Ditch Lining
Detention Cell / Ditch Restoration
GIS Continued Maintenance
Misc. Safety Enhancements
Landscape Gateway

State Street and
Diers Avenue
Intersection Improvements

Extending Faidley Ave
650' West

Public Safety Center /
Hall County Jail
Driveway & Signal

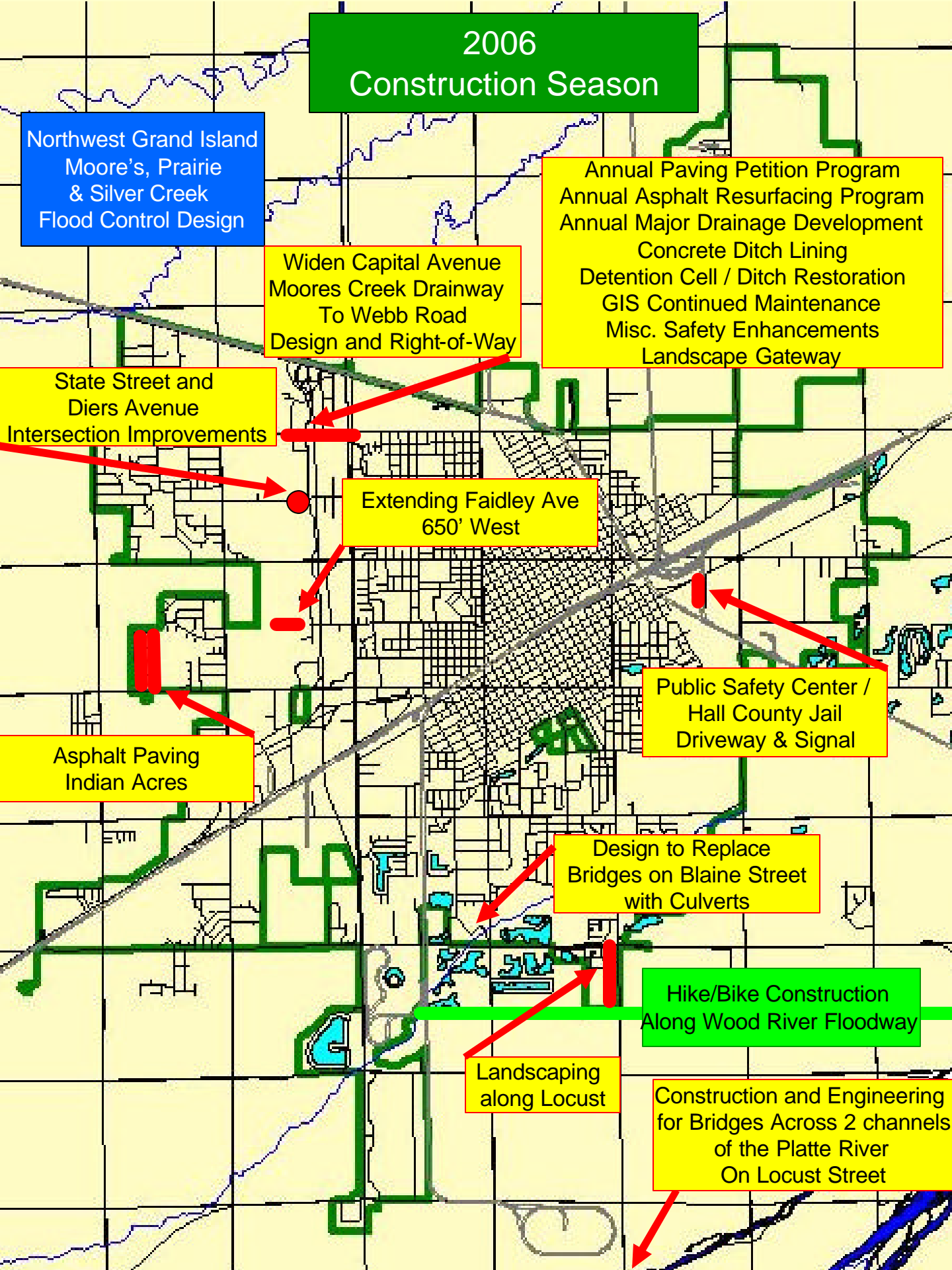
Asphalt Paving
Indian Acres

Design to Replace
Bridges on Blaine Street
with Culverts

Hike/Bike Construction
Along Wood River Floodway

Landscaping
along Locust

Construction and Engineering
for Bridges Across 2 channels
of the Platte River
On Locust Street



2007 Construction Season

Annual Paving Petition Program
Safety Projects - Walnut & Barr Middle School
Annual Asphalt Resurfacing Program
Annual Major Drainage Development
Concrete Ditch Lining
GIS Continued Maintenance
Landscape Gateway
Detention Cell & Ditch Restoration
Misc. Safety Enhancements

Northwest Grand Island
Moore's, Prairie
& Silver Creek
Flood Control Construction

Widen Capital Avenue
Moore's Creek Drainway
To Webb Road

Independence Ave Ditch
Manchester to Capital

Extend Redwood Road
to 13th for new middle school

Widen US Hwy 30
Grant to Greenwich

Wasmer Cell
Construction

Extend Moore's Creek
Drain to South of Old Pot Ash

Design & Row for
Widening Stolley to
Heartland Events Center

Traffic Signal at
Locust St / Fonner Park Entrance

Design Blaine St
Bridge Replacements

Widen Husker Hwy
West of US Hwy 281

Traffic Signal –
US HWY 281
& /Wildood Dr.

PVIP Drainage
North Project

Grade and Pave
South Locust to I-80

Trail and 2 Bridges
along Locust to I-80