



City of Grand Island

Tuesday, February 01, 2005

Study Session

Item -2

Review of One and Six Year Street Improvement Program

Staff Contact: Steve Riehle

Council Agenda Memo

From: Steven P. Riehle, Public Works Director
Meeting: February 1, 2005
Subject: One & Six Year Street Improvement Program
Item #'s: 2
Presenter(s): Steven P. Riehle, Public Works Director

Background

The City Council will discuss the One & Six Year Street Improvement Program at the Study Session this evening. The Regional Planning Commission will conduct a public Hearing and review the program at their February 2, 2005 meeting. The city council will be asked to approve the program at the February 8, 2005 regular City Council meeting.

Discussion

2005 Construction Season

One of the major projects for the 2005 construction season is the pavement construction for Independence Avenue from Shanna Street to 13th Street, as well the paving of Shanna and Lariat Lane. In addition to the recently completed widening of Stolley Park Road adjacent to Case-New Holland (CNH), the paving of Claude Road is planned this summer to further facilitate CNH operations. The Nebraska Department of Roads project to widen U.S. Highway 30 to the Merrick County line is expected to be completed in 2005. A contract will be let for the construction of two bridges over the Platte River for the northbound lanes of S. Locust between I-80 and the south City Limits. Other projects planned for 2005 include the completion of the Railroad Corridor Study and the continuation of the Moores, Prairie, and Silver Creek flood control design. Also planned is the continuation of the Hiker/Biker trail from Central Community College to Hall County Park.

2006 – 2010 Construction Seasons

Some significant projects beyond the 2005 construction season include the widening of Capital Avenue west of U.S. Highway 281 in 2006 to meet anticipated traffic volumes to be generated by the new Super Wal-Mart. Also planned during this period is completion of the construction of two northbound bridges on Locust Street over the Platte River channels, and the commencement of roadway construction for the northbound lanes of Locust Street between the I80 interchange and the south city limits as well as the continuation of various segments of the Hiker/Biker trail construction. In 2007 the Nebraska Department of Roads plans to start the U.S. Highway 30 widening project in the city between the US Highway 30 railroad overpass and Greenwich Street. Commencement of ten years of construction activities for the Moores, Prairie, and Silver Creek floodway protection will also start during this period.

Alternatives

Since this is a study session, the Council is being asked to consider this information for discussion purposes only. No decision is being requested regarding the subject at hand at this time. Therefore, the City Council is asked to engage in discussion concerning the issue to facilitate further decision making steps.

2005 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- 480	Independence Ave./Shanna St. Paving	\$793				\$793
M310-	Claude Road Paving	\$250				\$250
M310- 386	S. Locust, Floodway to I-80, Bridge C0040 4120R	\$1,060		\$848		\$212
M310- 388	S. Locust, Floodway to I-80, Bridge C0040 4125R	\$1,095		\$876		\$219
M310- 463	Construction E&I - Two bridges over Platte (C0040-4120R & 4125R)	\$275		\$220		\$55
M310- 444	Paving Petition Program	\$400			\$400	
M310- 267	Two Bridge Replacements - Blaine @ Wood River (Engineering Design)	\$45				\$45
M310- 489	Widen Stolley Park Road - HWY 281 West 1/4 mile	\$240				\$240
M310- 450	Signal Detection - Locust & Stolley Park Road	\$50				\$50
Street Resurfacing						
M310- 445	Annual Resurfacing Program	\$400				\$400
Drainage & Flood Control						
M310- 485	PVIP Cells & Drainage	\$127				\$127
M310- 461	Moores,Prairie, & Silver Creek Flood Control Design	\$486	\$243			\$243
M310- 434	Annual Major Drainage Development	\$50				\$50
M310- 466	Concrete Lining of Drainage Ditches	\$50				\$50
M310-	Independence Avenue Drainage	\$80				\$80
Other						
M310- 425	Railroad Corridor Study	\$125				\$125
M310- 465	Engineering Design- Hike/Bike Bridge Superstructure over 2 Platte River Channels	\$50				\$50
M310- 389	Hike/Bike Trail Const. along Floodway - Hall County Park to S. Locust	\$600	\$480			\$120
M310- 385	Geographic Information System (Continued Development & Maintenance)	\$25				\$25
M310- 384	Construct One Landscaped Gateway Node (No. 1)	\$25				\$25

TOTALS		\$3,003	\$723	\$220	\$400	\$1,660
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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- 468	2006 Paving Petition Program	\$600			\$600	
M310- 487A	Stolley Park Rd Widening, Locust to Fonner Park Ent.(Eng Design & ROW)	\$90				\$90
M310- 500	Widen Capital Avenue West of HWY 281	\$1,070				\$1,070
M310- 407	S. Locust - HWY 34 to I-80 - Additional Landscaping	\$60		\$48		\$12
M310- 267	Two Bridge Replacements - Blaine @ Wood River	\$250		\$120		\$130
M310- 458	Traffic Signal - HWY 281/Wildwood Dr.	\$160		\$80		\$80
M310-	Wasmer Cell Construction	\$170				\$170
M310- 497	Illuminating Lighting - HWY 281, Stolley to Old Potash	\$250				\$250
Street Resurfacing						
M310- 470	Annual Resurfacing Program	\$750				\$750
Drainage & Flood Control						
M310- 485	PVIP Cells & Drainage	\$263				\$263
M310- 446	Annual Major Drainage Development	\$50				\$50
M310- 467	Concrete Lining of Drainage Ditches	\$50				\$50
M310- 459	Construct Drainway from CCC area to Wood River	\$425				\$425
M310- 382	Moores Creek Drainage - Rogers Well to S. of Old Potash HWY	\$200				\$200
M310- 461	Moores,Prairie, & Silver Creek Flood Control - Construction	\$780		\$420		\$360
M310-	Detention Cell/Ditch Restoration	\$50				\$50
Other						
M310- 385	Geographic Information System (Continued Development & Maintenance)	\$25				\$25
M310-	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:			\$6,368	\$1,428	\$0	\$600	\$4,340

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-	487A	Stolley Park Rd widening, Locust to Fonner Park Ent. (Eng Design & ROW)	\$60		\$60	
M310-	409	S. Locust Grading and Median Drains for New Lanes (2007)	\$720		\$576	\$144
M310-	341	S. Locust Grading Floodway to I-80, Surfacing New Lanes (2007)	\$2,750		\$2,200	\$550
M310-	475	2007 Paving Petition Program	\$600			\$600
M310-	351	Hwy 30 - Grant to Greenwich - NDOR Project (FY 2007)	\$3,749	\$3,749	\$750	
M310-	480	Independence Avenue Paving	\$1,050			\$1,050
Street Resurfacing						
M310-	476	Annual Resurfacing Program (2007)	\$750			\$750
Drainage & Flood Control						
M310-	471	Annual Major Drainage Development (2007)	\$500			\$500
M310-	472	Concrete Lining of Drainage Ditches(2007)	\$50			\$50
M310-	461	Moores,Prairie, & Silver Creek Flood Control - Construction	\$780	\$420		\$360
M310-		Moores Creek Drainage - Old Potash HWY to Edna Dr.	\$150			\$150
M310-		Detention Cell/Ditch Restoration	\$50			\$50
Other						
M310-	385	Geographic Information System (Continued Development & Maintenance)	\$25			\$25
M310-	414	Hike/Bike Trail Construction, S. Locust to Morman Island. (Parallel to I-80)	\$600	\$480		\$120
M310-	390	Construct One Landscaped Gateway Node (No 3)	\$25			\$25
M310-		Misc. Safety Enhancements	\$150			\$150

TOTALS:		\$11,079	\$4,649	\$2,950	\$1,650	\$2,580
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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- 487	Stolley Park Rd widening, Locust to Fonner Park Entrance (Construction)	\$1,200			\$1,200	
M310- 490	Annual Paving Petition Program (2008)	\$750			\$750	
M310- 353	Faidley Ave. - Moores Creek Ditch to North Rd.	\$1,250			\$1,250	
Street Resurfacing						
M310- 491	Annual Resurfacing Program (2008)	\$700				\$700
Drainage & Flood Control						
M310- 492	Annual Major Drainage Development (2008)	\$500				\$500
M310- 493	Concrete Lining of Drainage Ditches(2008)	\$50				\$50
M310- 461	Moores,Prairie, & Silver Creek Flood Control - Construction	\$780	\$420			\$360
M310-	Detention Cell/Ditch Restoration	\$50				\$50
Other						
M310- 397	Construct One Landscaped Gateway Node (No 4)	\$25				\$25
M310- 447	Hike/Bike Trail Construction - State St. to Veterans Home	\$600	\$480			\$120
M310- 385	Geographic Information System (Continued development and maintenance)	\$25				\$25
M310-	Misc. Safety Enhancements	\$150				\$150
TOTALS		\$6,080	\$900	\$0	\$3,200	\$1,980

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)	\$750			\$750	
M310- 334	Widen Eddy Street Underpass to 5-lanes on south end	\$175				\$175
M310- 469	Capital Ave - HWY 281 to Webb Rd	\$900			\$900	
M310- 352	Hwy 30 - Hwy 281 to west City Limits - NDOR Project	\$9,449	\$7,559		\$1,890	
Street Resurfacing						
M310- 503	Annual Resurfacing Program (2009)	\$700				\$700
Drainage & Flood Control						
M310- 504	Annual Major Drainage Development (2009)	\$500				\$500
M310- 505	Concrete Lining of Drainage Ditches(2009)	\$50				\$50
M310- 461	Moore's, Prairie, & Silver Creek Flood Control - Construction	\$780	\$420			\$360
M310-	Detention Cell/Ditch Restoration	\$50				\$50
Other						
M310- 415	Construct One Landscaped Gateway Node (No. 5)	\$25				\$25
M310- 385	Geographic Information System (Continued development and maintenance)	\$25				\$25
M310-	Hike/Bike Trail Const. - Veterans Home to Eagle Scout Park	\$600	\$480			\$120
M310-	Misc. Safety Enhancements	\$150				\$150
TOTALS		\$14,154	\$8,459	\$0	\$3,540	\$2,155

2010 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-	Annual Paving Petition Program (2010)	\$750			\$750	

M310-	334	Widen Eddy Street Underpass to 5-lanes on south end	\$175			\$175
M310-	89	Capital Ave - Webb to Broadwell Ave	\$2,500		\$2,500	
M310-		Capital Ave - Broadwell to St. Paul Road	\$2,500		\$2,500	
M310-	14	Eddy Street - 4th to 10th (5 lane)	\$1,800		\$1,800	
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	S. Locust - Illumination Lighting S. City Limits to I80	\$1,000		\$500	\$500
M310-	352	Hwy 30 - Hwy 281 to west City Limits - NDOR Project	\$9,449	\$7,559	\$1,890	
M310-	411	Hwy 34 - Locust to Hwy 281 - NDOR Projec+C181	\$6,679	\$5,343	\$1,336	
M310-		Swift Road - WWTP to Shady Bend Rd	??			

Street Resurfacing

M310-		Annual Resurfacing Program (2010)	\$750			\$750
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Drainage & Flood Control

M310-		Annual Major Drainage Development (2010)	\$500			\$500
M310-		Concrete Lining of Drainage Ditches(2010)	\$50			\$50
M310-	461	Moore's, Prairie, & Silver Creek Flood Control - Construction (Due remainder of Project)	\$4,680	\$2,520		\$2,160
M310-		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-		Hike/Bike Trail Const. along Floodway - S. Locust to Platte River	\$600	\$480		\$120
M310-		Misc. Safety Enhancements	\$150			\$150

TOTALS			\$60,058	\$17,302	\$500	\$37,376	\$4,880
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2005 Construction Season

Moore's, Prairie
& Silver Creek
Flood Control Design

Annual Paving Petition Program
Convert One Signal to Video Detection
Annual Asphalt Resurfacing Program
Annual Major Drainage Development
Concrete Ditch Lining
Railroad Corridor Study
GIS Continued Maintenance
Landscape Gateway

Independence Ave Ditch
Manchester to Capital

Independence Ave
13th to Shanna
Shanna St & Lariat Ln

Pave Claude Road
North of Old US Hwy 30

Widen Stolley Park Road
West of US Hwy 281

Design to Replace
Bridges on Blaine Street
with Culverts

Hike/Bike Construction
Along Wood River Floodway

PVIP Drainage
North Project

Design of
2 Trail Bridges

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

2006 Construction Season

Moore's, Prairie & Silver Creek
Flood Control Construction

Detention Cell & Ditch Restoration
Safety Improvements
Annual Paving Petition Program
Annual Asphalt Resurfacing Program
Annual Major Drainage Development
Concrete Ditch Lining
GIS Continued Maintenance
Landscape Gateway

Widen Capital Avenue
West of US Hwy 281

Wasmer Cell
Construction

Moore's Creek
Drain

Roadway Lighting
US HWY 281
Stolley -Old Potash

Design & Row for
Widening Stolley to
Heartland Events Center

CCC Drain
To Wood River

Blaine St Bridge
Replacements

Landscaping
along Locust

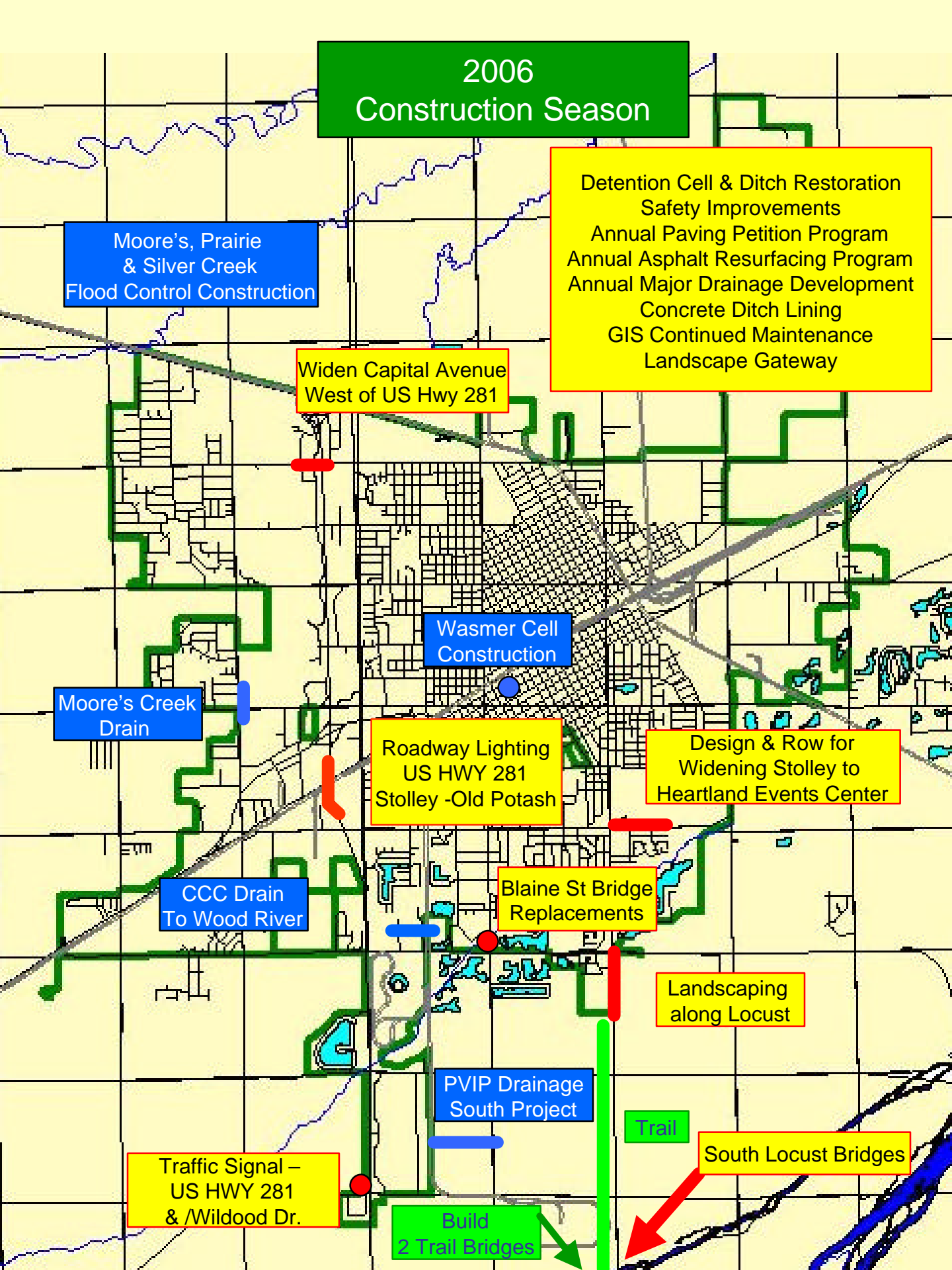
PVIP Drainage
South Project

Trail

Traffic Signal –
US HWY 281
& Wildood Dr.

South Locust Bridges

Build
2 Trail Bridges



2007 and Beyond Construction Season

Moore's, Prairie & Silver Creek Flood Control Construction

Widen Eddy St Underpass on South End

Widen Eddy St from 4th to 10th

Independence Ave - Shanna to Manchester

Hike/Bike Trail Construction

East Bypass Grade Separation @ UPRR

Widen Capital Ave - ¼ Mile West of US 281 to St Paul Rd

Faidley Ave - ¼ mi W of US 281 To North Rd

Broadwell Grade Separation At UPRR

Building Improvements at West Yards

Swift Road

Moore's Creek Drain

US Highway 30 Grant to Greenwich

Widening Stolley to Heartland Events Center

US Highway 30 - US 281 to City Limits

US Highway 34 - US Highway 281 to South Locust

Construct Hike/Bike Bridge Superstructure

South Locust Grading, Lighting, and Surfacing of Northbound Lanes

Hike/Bike Trail South Locust to Mormon Island

Bike Trail west of Locust to Mormon Island