

Project Summary and Justification

Department Public Utilities

Division Wastewater

The Capital Improvement Program for the 2002-2008 period is a continuing and comprehensive effort to assure the proper collection and treatment of current and future wastewater flows and loads in a manner that protects human health and the environment and that meets Federal and State of Nebraska Department of Environmental Quality (NDEQ) National Pollutant Discharge System (NPDES) discharge permits and operating requirements.

Project 1 Subsidies. (Continuation, 502500)

Provides for construction of mains larger than 8" in diameter residential, commercial, and industrial areas. Also, to subsidize mains in certain wastewater districts, new subdivisions, future growth areas, or other City projects.

Project 2 Preliminary Design and Engineering Support. (Continuation, 502610)

Provides for preliminary design and review of unanticipated wastewater projects.

Project 3 Selected Replacement or Repair of Wastewater Facilities and/or Collectors. (Continuation, 700359)

Provides for replacement, reconstruction, and/or repair of wastewater facilities and/or collectors that have served their useful lives and are in poor structural condition. Included are repairs to collectors and appurtenances to reduce infiltration and inflow into the system. Easements may be required.

Project 4 Selected Replacement or Repair of Manholes. (Continuation, 502720)

Provides replacement and/or repair of selected manholes in the collection system that are in poor structural condition and particularly those manholes that contribute to infiltration and extraneous inflow into the system.

Project 5 Collection System Replacements/Repairs

- a. Repair Sanitary Sewer - S. 42nd to S. 40th, Sumner Street to Garfield Street.
- b. Repair Sanitary Sewer - Winthrop to Bradfield and Ryons Street to Sewell Street.
- c. Repair Sanitary Sewer - N. 27th and Holdrege Street.
- d. Repair Sanitary Sewer - N. 40th to N. 39th, Dudley Street to Starr Street.
- e. Repair Sanitary Sewer - S. 17th and Lake Street.
- f. Replace Sanitary Sewer - Glenwood Circle near Wedgewood Lake.
- g. Replace Sanitary Sewer - S. 53rd to S. 52nd and S. 55th and Roose Street.
- h. Replace Sanitary Sewer - N. 23rd and State Fair Park Road.
- i. Replace Sanitary Sewer Siphon - S. 75th and Pioneers Boulevard.
- j. Replace Sanitary Sewer - East "O" Street project.

These collection system projects provide for necessary improvements and replacements to the wastewater collection system lines and liftstations to maintain service in these areas. Included are those lines that are in poor structural condition with deteriorated flow characteristics, corroded, or broken and are in need of replacement.

Project Summary and Justification (cont.)

Department Public Utilities

Division Wastewater

TRUNK SEWER SYSTEM IMPROVEMENTS

The following trunk and relief sewer projects provide for additional and future capacity by relieving overloaded and surcharging conditions in existing trunk lines due to Lincoln's continuing growth. Extending of the described trunk lines in the various basins provides for meeting future growth and development needs of the City in these basins.

Project 6 Salt Valley Basin - Relief Sewer Improvements. (Continuation, 502450 and 502452)

- a. Phase II.b. - Vine Street and Salt Creek to approximately S. 4th and "K" Street.
- b. Phase III - S. 4th and "K" Street to S. 4th and Van Dorn Parkway.
- c. Phase IV - S. 4th and Van Dorn Parkway to S. 5th and Pioneers Boulevard.
- d. Phase V - Pioneers Boulevard to Old Cheney Road.
- e. Upper Southeast Salt Creek - S. 27th and Yankee Hill Road to Rokeby Road.

Project 7 Northeast Salt Creek Basin - N. 56th to N. 70th, north of Salt Creek.**Project 8 Little Salt Creek Basin. (Continuation, 502005, 502006, and 502007)**

- a. N. 31st Street Liftstation Outfall Improvements - N. 31st and Salt Creek to Cornhusker Hwy.
- b. Extend Trunk Sewer - I-80 to N. 14th and Wildcat Drive.
- c. Extend Trunk Sewer - N. 14th and Humphrey Avenue to approximately No. 7th and Alvo Road.

Project 9 Antelope Creek Basin. (Continuation, 502142, 502143, and 502144)

- a. Extend Trunk Sewer - S. 92nd and Pine Lake Road. to Hwy. #2.

Project 10 Oak Creek Basin. (Continuation, 502940)

- a. Phase IV - North Bank Trunk Sewer Extension - N.W. 38th to N.W. 40th and Hwy. #34.
- b. Replace Sewer - N.W. 44th, West Mathis to West Superior.

Project 11 Beals Slough Basin. (Continuation, 700333, 700923, and 700924)

- a. Relief Trunk Sewer - Phase I - S. 14th to S. 27th.
- b. Relief Trunk Sewer - Phase II - S. 27th to S. 56th.
- c. Extend Trunk - S. 65th and Pine Lake Road to S. 70th and Yankee Hill Road.
- d. Extend Trunk - S. 65th and Pine Lake Road to S. 56th and Yankee Hill Road.

Project 12 West "O" Street Basin. (Continuation, 701019)

- a. Extend Trunk Sewer - S.W. 40th to near N.W. 48th and I-80.

Project Summary and Justification (cont.)

Department	Public Utilities
Division	Wastewater

Project 13 **Lynn Creek Trunk Sewer (relief sewer) - N. 1st and Harvest Drive to Barons Road.**

Project 14 **Stevens Creek Basin.**

TREATMENT FACILITIES

New NPDES discharge permits for both facilities will further define limits and are anticipated for public notice and issuance in the fourth quarter of 2002. The noted treatment facility improvement projects for the Theresa and Northeast treatment facilities provide for additional growth and capacity, maintain proper and cost efficient treatment to meet current and future NPDES effluent discharge limits and provide for other necessary improvements.

Project 15 **Theresa Street Improvements.**

- a. Grit Removal Basin Improvements. (Continuation, 700329)
- b. New Primary Clarifier. (Continuation, 502380)
- c. Nitrification Facilities. (Continuation, 502420)
- d. Solids Thickening Improvements.
- e. Anaerobic Digestion Improvements - New Digester.
- f. New Wet-Weather Treatment Improvements.

Odor and Corrosion Control Facilities

- g. DAF Building and Primary Clarifiers 5 and 6.
- h. Facility Liftstation and Inlet Headworks.

Projects 15a., b., d., e., g., and h. provide for additional capacity to meet future loads and flows. Construction of advanced treatment facilities for nitrification (Project 15c.) are necessary to reduce ammonia concentrations in the discharge to meet future NPDES effluent discharge permit limits and water quality criteria for Salt Creek. Also, Projects 15d. and e. identify additional solids handling facilities and the addition of a new anaerobic digester to meet future loads and flows. New wet-weather treatment improvements to the treatment facilities to meet future Federal and State sanitary sewer overflows (SSO) regulations for treating wet weather flows and preventing SSO's are identified in Project 15.f. Reduction and control of odors at the facility are provided for in Projects 15g. and h.

Project 16 **Additional Maintenance Equipment Storage Building for Wastewater Collection.**

This project is to provide for design and construction of an addition and expansion to the existing collection system maintenance and storage facilities to house existing and future maintenance equipment and materials utilized in maintaining the wastewater collection system as it expands to meet future growth.

Project Summary and Justification (cont.)

Department	Public Utilities
Division	Wastewater

Project 17 Northeast Improvements.

- a. Grit Removal Facilities Improvements. (Continuation, 701540)
- b. Replace Influent Bar Screening Equipment.
- c. Primary Clarifiers - Modifications and Improvements.
- d. Nitrification Facilities. (Continuation, 502510)
- e. New Wet-Weather Treatment Improvements.

Improvements to grit removal facilities for handling of collected grit in a cost effective manner are included in Project 17a. Also, projects 17a. through 17c. provide for replacement, upgrading, and improvements to unit processes to provide additional capacity to meet future service requirements, loads, and flows. Construction of advanced treatment facilities at Northeast for nitrification to reduce ammonia concentrations in the discharge are provided for in Project 17d. New wet-weather treatment improvements to facilities to meet future Federal and State sanitary sewer overflows (SSO) regulations for treating wet weather flows and preventing SSO's are identified in Project 17.e.

**Project 18 Electrical Control and Automation Improvements at Treatment Facilities.
(Continuation, 502390)**

This project is a continuing effort to add considerable reliability to the control and electrical systems at the treatment facilities by providing upgrades to supervisory control and data monitoring of the treatment processes and related mechanical and electrical equipment to maintain treatment and improve operational efficiency.

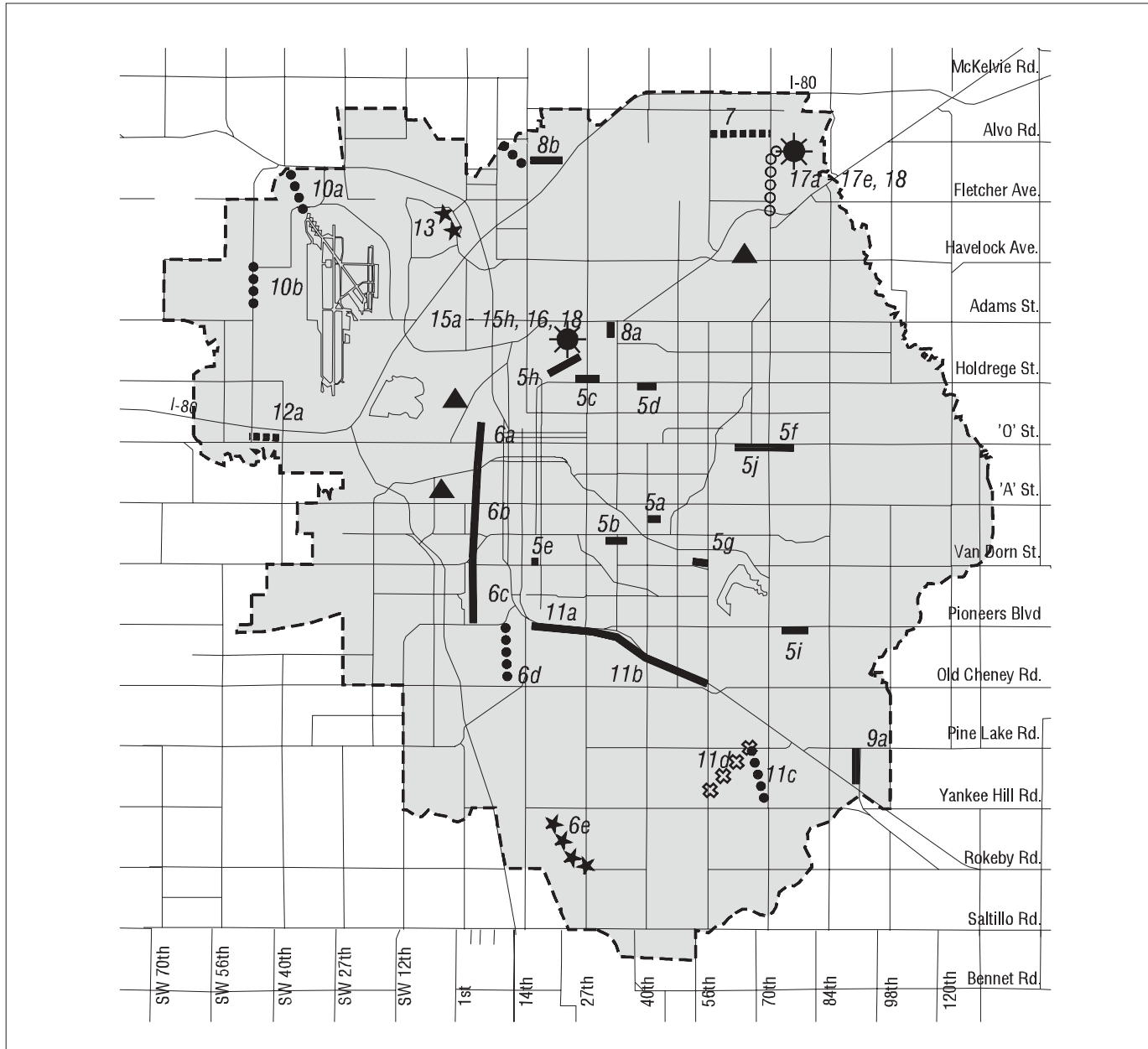
Project 19 Facilities Plan Update. (Continuation, 701173)

This project provides for updating of the current Wastewater Facilities Master Plan. This Master Plan identifies new and continuing improvements to meet future wastewater and treatment needs of the Lincoln Wastewater System in accordance with the City's comprehensive planning efforts and to meet State and Federal regulatory operating requirements.

This page left blank intentionally.

Lincoln CIP 2002 - 2008

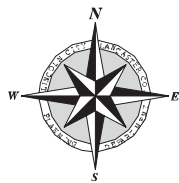
Public Utilities Wastewater



**L
e
g
e
n
d**

Lincoln Future Service Limit Shown as Gray

Map prepared by
City - Co. Planning Dept
GIS Section



Symbol for Fiscal Years

- 2002- 2003
- 2003- 2004
- 2004- 2005
- 2005- 2006
- ★ ★ ★ ★ ★ 2006- 2007
- ⊕ ⊕ ⊕ ⊕ ⊕ 2007- 2008
- ☀ Treatment Plant
- ▲ Lift Station

(Capital improvements often take many years to complete. The year shown on this map reflects the start up year or year of greatest activity. Consult the detailed project lists for further information on project scheduling and likely completion.)

List of Projects Department: Public Utilities / Wastewater

Project Number	Project Title
(1.)	Subsidies. (Continuation, 502500)
(2.)	Preliminary Design and Engineering Support. (Continuation, 502610)
(3.)	Selected Replacement or Repair of Wastewater Facilities and/or Collectors. (Continuation, 700359)
(4.)	Selected Replacement or Repair of Manholes. (Continuation, 502720)
5.	Collection System Replacements/Repairs.
5a.	Repair Sanitary Sewer - S. 42nd to S. 40th, Sumner Street to Garfield Street.
5b.	Repair Sanitary Sewer - Winthrop to Bradfield and Ryons Street to Sewell Street.
5c.	Repair Sanitary Sewer - N. 27th and Holdrege Street.
5d.	Repair Sanitary Sewer - N. 40th to N. 39th, Dudley Street to Starr Street.
5e.	Repair Sanitary Sewer - S. 17th and Lake Street.
5f.	Replace Sanitary Sewer - Glenwood Circle near Wedgewood Lake.
5g.	Replace Sanitary Sewer - S. 53rd to S. 52nd and S. 55th and Roose Street.
5h.	Replace Sanitary Sewer - N. 23rd and State Fair Park Road.
5i.	Replace Sanitary Sewer Siphon - S. 75th and Pioneers Boulevard.
5j.	Replace Sanitary Sewer - East "O" Street project.
6.	Salt Valley Basin - Relief Sewer Improvements. (Continuation, 502450 and 502452).
6a.	Phase II.b. - Vine Street and Salt Creek to approximately S. 4th and "K" Street.
6b.	Phase III - S. 4th and "K" Street to S. 4th and Van Dorn Parkway.
6c.	Phase IV - S. 4th and Van Dorn Parkway to S. 5th and Pioneers Boulevard.
6d.	Phase V - Pioneers Boulevard to Old Cheney Road.
6e.	Upper Southeast Salt Creek - S. 27th and Yankee Hill Road to Rokeby Road.
7.	Northeast Salt Creek Basin - N. 56th to N. 70th, north of Salt Creek.
8.	Little Salt Creek Basin. (Continuation, 502005, 502006, and 502007)
8a.	N. 31st Street Liftstation Outfall Improvements - N. 31st and Salt Creek to Cornhusker Hwy.
8b.	Extend Trunk Sewer - I-80 to N. 14th and Wildcat Drive.
8c.	Extend Trunk Sewer - N. 14th and Humphrey Avenue to approximately N. 7th and Alvo Road.
9.	Antelope Creek Basin. (Continuation, 502142, 502143, and 502144)
9a.	Extend Trunk Sewer - S. 92nd and Pine Lake Road to Hwy. #2.
10.	Oak Creek Basin. (Continuation, 502940)
10a.	Phase IV - North Bank Trunk Sewer Extension - N.W. 38th to N.W. 40th and Hwy. #34.
10b.	Replace Sewer - N.W. 44th, West Mathis to West Superior.
11.	Beals Slough Basin. (Continuation, 700333, 700923, and 700924)
11a.	Relief Trunk Sewer - Phase I - S. 14th to S. 27th.
11b.	Relief Trunk Sewer - Phase II - S. 27th to S. 56th.
11c.	Extend Trunk - S. 65th and Pine Lake Road to S. 70th and Yankee Hill Road.
11d.	Extend Trunk - S. 65th and Pine Lake Road to S. 56th and Yankee Hill Road.
12.	West "O" Street Basin. (Continuation, 701019)
12a.	Extend Trunk Sewer - S.W. 40th to near N.W. 48th and I-80.
13.	Lynn Creek Trunk Sewer (relief sewer), N. 1st and Harvest Drive to Barons Road.
14.	Stevens Creek Basin.
15.	Theresa Street Improvements.
15a.	Grit Removal Basin Improvements. (Continuation, 700329)
15b.	New Primary Clarifier. (Continuation, 502380)
15c.	Nitrification Facilities. (Continuation, 502420)
15d.	Solids Thickening Improvements.
15e.	Anaerobic Digestion Improvements - New Digester.
15f.	New Wet-Weather Treatment Improvements.
	Odor and Corrosion Control Facilities. (Continuation, 701289)
15g.	DAF Building and Primary Clarifiers 5 and 6.
15h.	Facility Liftstation and Inlet Headworks.
16.	Additional Maintenance Equipment Storage Building for Wastewater Collection.
17.	Northeast Improvements.
17a.	Grit Removal Facilities Improvements. (Continuation, 701540)
17b.	Replace Influent Bar Screening Equipment.
17c.	Primary Clarifiers - Modifications and Improvements.
17d.	Nitrification Facilities. (Continuation, 502510)
17e.	New Wet-Weather Treatment Improvements.
18.	Electrical Control and Automation Improvements at Treatment Facilities. (Continuation, 502390)
(19.)	Facilities Plan Update. (Continuation, 701173)

*Project number in parenthesis indicates project is not shown on the map.

2002 - 2008 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WASTEWATER

(1)	(2)	(3)	5% Inflation per year (4)											
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)											
			2002-2003	FS	2003-2004	FS	2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS
1.	Subsidies. (Continuation, 502500)	A	132.0	UR	139.0	UR	145.0	UR	153.0	UR	160.7	UR	168.7	UR
2.	Preliminary design and engineering support. (Continuation, 502610)	A	24.6	UR	25.1	UR	25.6	UR	26.1	UR	27.4	UR	28.8	UR
3.	Selected replacement or repair of wastewater facilities and/or collectors. (Continuation, 700359)	A	150.0	UR	315.0	UR	948.9	UR	967.9	UR	987.3	UR	1,036.7	UR
4.	Selected replacement or repair of manholes. (Continuation, 502720)	A	136.2	UR	140.2	UR	143.0	UR	145.9	UR	148.8	UR	156.2	UR
5.	COLLECTION SYSTEM REPLACEMENTS/ REPAIRS.													
5a.*	Repair Sanitary Sewer - 42nd to 40th, Sumner to Garfield	A	35.0	UR										
5b.*	Repair Sanitary Sewer - Winthrop to Bradfield & Ryons to Sewell	A	52.0	UR										
5c.*	Repair Sanitary Sewer - N. 27th & Holdrege	A	15.0	UR										
5.d.*	Repair Sanitary Sewers - N.40th to N.39th Dudley to Starr	A	30.0	UR										
5e.*	Repair Sanitary Sewer - S. 17th & Lake	A	30.0	UR										
5f.*	Replace Sanitary Sewer - Glenwood Circle near Wedgewood Lake	A	50.0	UR										
5g.*	Replace Sanitary Sewer - S. 53rd to S. 52nd, & 55th & Roose St..	A	40.0	UR										
5h.*	Replace Sanitary Sewer - N.23rd & State Fair Park Rd.	A	87.0	UR										
5.i.	Replace Sanitary Sewer Siphon - S. 75th & Pioneers	B	110.0	UR										
5.j.	Replace Sanitary Sewer - East 'O' St. Projects	B	100.0	UR										

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2007-2008 (000's)	PRIOR APPROPRIATIONS (000's)		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						PROJ. NO.	
		YEAR	FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)		
898.4	Unknown	Continuous		898.4	GCP	1					898.4			1.
157.6	Unknown	Continuous		157.6	GCP	1	157.6							2.
4,405.8	Unknown	Continuous		4,405.8	GCP	1					4,405.8			3.
870.3	Unknown	Continuous		870.3	GCP	2					870.3			4.
														5.
35.0	Unknown	None		35.0	GCP	2		4.0			31.0			5a.*
52.0	Unknown	None		52.0	GCP	2		5.0			47.0			5b.*
15.0	Unknown	None		15.0	GCP	2		2.0			13.0			5c.*
30.0	Unknown	None		30.0	GCP	2		3.0			27.0			5d.*
30.0	Unknown	None		30.0	GCP	2		3.0			27.0			5e.*
50.0	Unknown	None		50.0	GCP	2		5.0			45.0			5f.*
40.0	Unknown	None		40.0	GCP	2		4.0			36.0			5g.*
87.0	Unknown	None		87.0	GCP	2		9.0			78.0			5h.*
110.0	Unknown	None		110.0	GCP	2		11.0			99.0			5i.
100.0	Unknown	None		100.0	GCP	2		10.0			90.0			5j.

2002 - 2008 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WASTEWATER

(1)	(2)	(3)	5% Inflation per year (4)																	
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)																	
			2002-2003	FS	2003-2004	FS	2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS						
6.	TRUNK SEWER SYSTEM SALT VALLEY BASIN - Relief Sewer (CONTINUE 502450 & 452)																			
6.a.	Phase II.b. - Vine & Salt Creek to 4th & "K" St.	A	2,800.0	RB	2,200.0	RB														
6.b.	Phase III - 4th & "K" St to 4th & VanDorn	A	500.0	UR	2,200.0	RB	3,100.0	RB	700.0	RB										
			200.0	RB																
6.c.*	Phase IV - 4th & VanDorn to 5th & Pioneers Blvd.	A	500.0	UR	1,400.0	RB	2,100.0	RB	600.0	RB										
6.d.	Phase V - Pioneers Blvd. to Old Cheney Rd.	A					300.0	RB	1,800.0	RB	400.0	RB								
6.e.	Upper S.E. Salt Creek - 27th & Yankee Hill Rd. to Rokeby Rd.	B									69.0	UR	1,300.0	RB						
											131.0	RB								
7.	NORTHEAST SALT CREEK BASIN - 56th to 70th, north of Salt Creek.	A			50.0	UR							500.0	UR						
8.	LITTLE SALT CK. BASIN (Cont 502005,#6 & #7)																			
8a.	N. 31st St. Liftstation Outfall Improvements - N. 31st and Salt Creek to Cornhusker	A	40.0	UR	400.0	UR														
8.b.	Extend Trunk Sewer - I-80 to N.14th & Wildcat Dr.	A	200.0	UR																
			90.0	DC																
8.c.*	Extend Trunk Sewer-N14th & Humphrey to approx. 7th & Alvo Rd.	B							100.0	RB	40.0	DC								
9.	ANTELOPE CK. BASIN (Cont 502142, 143 & 144)																			
9a.	Extend Trunk Sewer-S. 92nd & Pine Lake Rd. to Hwy. 2	A	48.0	UR																
			50.0	DC																
10.	OAK CREEK BASIN (Continuation 502940)																			
10a.	Phase IV - North Bank Trunk Sewer Extension - NW 38th to NW 40th and Hwy. #34	C					60.0	UR	490.0	RB	325.0	UR	330.0	UR						
10.b.*	Replace Sewer - NW 44th, West Mathis to Superior	B					360.0	RB												
11.	BEALS SLOUGH BASIN-(Cont 70033, 923,& 924)																			
11.a.*	Relief Trunk Sewer - Ph I - S.14th to 27th	A	300.0	UR	600.0	UR	1,700.0	RB	300.0	RB										
11.b.*	Relief Trunk Sewer - Ph II - S.27th to 56th	A	100.0	UR							400.0	RB	1,800.0	RB	2,238.0	RB				
															62.0	UR				
11c.	Extend Trunk - S. 65th and Pine Lake Rd. to S. 70th and Yankee Hill Road	B					80.0	RB	560.0	RB										
11.d*	Extend Trunk - S. 65th and Pine Lake Rd. to S. 56th and Yankee Hill Road	C															340.0	UR		
12.	WEST "O" ST. BASIN (Continuation 701019)																			
12a.	Extend Trunk Sewer - Southwest 40th to near Northwest 48th and I-80.	B			50.0	UR	1,000.0	RB	570.0	RB										
13.	LYNN CREEK TRUNK SEWER (relief sewer) 1st & Harvest Dr. to Barons Road	C											180.0	UR						
14.	STEVENS CREEK BASIN -Ph 1 - NETP to Hwy. 6	C											300.0	RB						
	a. Preliminary Design Study																			
	b. Future Construction																			

FORM B

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2007-2008 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						PROJ. NO.
		(000's)	YEAR FS	(5)+(6)+(7)			PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)	
		11,278.6	88-02										6.
5,000.0	Unknown	876.5	00-02	5,876.5	ICWP	2, 7			100.0	4,900.0			6.a.
6,700.0	Unknown	None		6,700.0	ICWP	2, 6		650.0	50.0	6,000.0			6.b.
4,600.0	Unknown	None		4,600.0	ICWP	2, 6		450.0	50.0	4,100.0			6.c.*
2,500.0	Unknown	None		2,500.0	ICWP	2, 6		250.0	50.0	2,200.0			6.d.
1,500.0	2,300.0	None		3,800.0	ICWP	2, 6	50.0	150.0	150.0	1,150.0			6.e.
550.0	11,200.0	None		11,750.0	ICWP	2	50.0	50.0	5.0	445.0			7.
440.0	Unknown	None		440.0	ICWP	2		40.0	20.0	380.0			8. 8a.
290.0	Unknown	5.0	96-02	295.0	ICWP	2		29.0		261.0			8.b.
140.0	Unknown	None		140.0	ICWP	2		14.0		126.0			8.c.*
98.0	Unknown	333.8	95-02	431.8	GCP	2, 6		10.0		88.0			9. 9a.
1,205.0	3,400.0	2,284.2	90-02	6,889.2	GCP	2	30.0	120.5	30.0	1,024.5			10. 10a.
360.0	Unknown	None		360.0	GCP	2		36.0		324.0			10.b.*
2,900.0	Unknown	309.0	98-02	2,900.0	ICWP	2, 6		250.0	50.0	2,600.0			11. 11.a.*
4,600.0	Unknown	None		4,600.0	GCP	2, 6	100.0	330.0	70.0	4,100.0			11.b.*
640.0	Unknown	120.0	01-02	760.0	ICWP	2		64.0		576.0			11c.
340.0	Unknown	None		340.0	GCP	2		34.0	100.0	206.0			11.d*
1,620.0	Unknown	1,630.0	99-02	3,250.0	GCP	2	50.0	162.0	100.0	1,308.0			12. 12a.
180.0	Unknown	None		180.0	GCP	2		18.0		162.0			13.
300.0		None		300.0	GCP	2	80.0	220.0					14.
	4,500.0			4,500.0									

2002 - 2008 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WASTEWATER

(1)	(2)	(3)	5% Inflation per year (4)														
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)														
			2002-2003	FS	2003-2004	FS	2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS			
	TREATMENT FACILITIES																
15.	THERESA STREET IMPROVEMENTS																
15a.	Grit Removal Basin Improvements (Continuation, 700329)	B	2,100.0	UR	2,300.0	RB											
15b.	New Primary Clarifier (Continuation 502380)	C			90.0	UR	265.0	RB	550.0	RB							
15c.	Nitrification Facilities (Continuation, 502420)	A	2,970.0	UR	2,900.0	RB	2,320.0	RB	2,290.0	RB	3,200.0	RB					
						20.0	UR										
15d.	Solids Thickening Improvements	C														66.0	UR
15e.	Anaerobic Digestion Improvements-New Digester	C														300.0	UR
15f.*	New Wet - Weather Treatment Improvements	C														200.0	UR
	Odor and Corrosion Control Facilities (Continuation, 701289)																
15g.	DAF Building and Primary Clarifiers 5 and 6	B	1,160.0	UR	300.0	UR											
15h.	Facility Liftstation and Inlet Headworks	B			120.0	UR	494.0	RB									
16.*	Additional Maintenance Equipment Storage Bldg. for Wastewater Collection	B	20.0	UR	190.0	UR											

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2007-2008 (000's)	PRIOR APPROPRIATIONS (000's)		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						PROJ. NO.
		YEAR	FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)	
4,400.0	Unknown	368.0	97-02	4,768.0	GCP	2, 7		332.0			4,068.0		15.
905.0	4,150.0	967.0	95-02	6,022.0	GCP	2, 6		355.0			550.0		15a.
13,700.0	3,309.0	5,320.6	97-02	22,329.6	GCP	2, 7		1,370.0			12,330.0		15b.
66.0	8,040.0	None		8,106.0	GCP	2		6.0			60.0		15c.
300.0	5,000.0	None		5,300.0	GCP	2		200.0			100.0		15d.
200.0	Unknown	None		200.0	GCP	2		200.0					15e.
1,460.0	Unknown	990.0	99-02	2,450.0	GCP	2		120.0			1,340.0		15f.*
614.0	Unknown	None		614.0	GCP	2		49.0			565.0		15g.
210.0	Unknown	None		210.0	GCP	2		20.0			190.0		15h.
													16.*

2002 - 2008 CAPITAL IMPROVEMENT PROGRAM

DIVISION: WASTEWATER

(1)	(2)	(3)	5% Inflation per year (4)															
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)															
			2002-2003	FS	2003-2004	FS	2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS				
17.	NORTHEAST IMPROVEMENTS																	
17.a.	Grit Removal Facilities Improvements (Continuation 701540)	B			220.0	UR			690.0	RB			62.0	RB				
17.b.	Replace Influent Bar Screening Equipment	A	560.0	UR														
17.c.	Primary Clarifiers - Modifications & Improvements	C											80.0	UR				
17.d.	Nitrification Facilities (Continuation, 502510)	A	400.0	UR	400.0	UR			300.0	RB								
17.e.*	New Wet - Weather Treatment Improvements	C															200.0	UR
18.	ELECTRICAL CONTROL AND AUTOMATION IMPROVEMENTS AT TREATMENT FACILITIES (Continuation 502390)	C	100.0	UR					110.0	UR								
19.	FACILITIES PLAN UPDATE (Continuation 701173)	C											100.0	UR				
FUNDING SOURCE BREAKDOWN:																		
	DC (Developer Contribution)		140.0		0.0				40.0				0.0				0.0	
	OF (Other Financing)		0.0		0.0				0.0				0.0				0.0	
	UR (Utility Revenues)		9,989.8		3,059.3				1,432.5				1,472.9				2,398.2	
	RB (Revenue Bonds)		3,000.0		11,000.0				12,809.0				8,622.0				5,531.0	
	DIVISION TOTAL:		13,129.8		14,059.3				14,281.5				10,094.9				7,929.2	

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2007-2008 (000's)	PRIOR APPROPRIATIONS (000's)		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						PROJ. NO.
		YEAR	FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)	
972.0	Unknown	None		972.0	GCP	2		97.2			874.8		17.
560.0	Unknown	137.0	01-02	697.0	GCP	2, 7					560.0		17a.
80.0	Unknown	None		80.0	GCP	2		80.0					17b.
1,100.0	Unknown	4,150.0	91-02	5,250.0	GCP	2		88.0			1,012.0		17c.
200.0	Unknown	None		200.0	GCP	2		200.0					17d.
210.0	375.0	2,994.9	91-02	3,579.9	GCP	2		21.0			189.0		17.e*
100.0	240.0	220.0	90-02	560.0	GCP	2						100.0 (Studies)	18..
180.0													19.
0.0													
21,241.1													
44,500.0													
=====													
65,921.1													

This page left blank intentionally.