




City Manager's Office MEMORANDUM

TO: Mayor and City Councilmembers
FROM: Roy H. Otto, City Manager 
DATE: September 9, 2011
SUBJECT: Transmittal of 2012-2016 Capital Improvement Plan

Attached is the proposed 2012-2016 Capital Improvement Plan. A capital improvement program is a five year plan for the evaluation of the city's facility and infrastructure needs. It serves as a guide for construction and development of the city's infrastructure asset base in the most cost efficient manner possible. It is the result of systematic review of each project as it relates to the City Council goals and the established priority scheme, to maximize the use of all financial resources.

While the program serves as a long range plan, it is reviewed annually and revised based on current circumstances and opportunities. Priorities may be changed due to grant opportunities or circumstances that caused a more rapid deterioration of an asset resulting in a liability issue.

A capital improvement project is a project related to the infrastructure of the city or major equipment. The project may be new construction, rehabilitation of existing facilities or infrastructure or improvement to existing facilities or infrastructure in excess of \$50,000.

All projects are numerically ranked by the department within each funding source. The emphasis is placed on where the project falls within the Priority Scheme (see attached). A second ranking is done by the Capital Project Committee (CPC). This committee ranks projects from all the departments within each funding source. It also reviews the year in which projects are proposed and coordinates projects citywide for efficiencies. The CPC committee consists of the City Engineer, Chief Engineer-Water & Sewer and a representative from the purchasing division.

Funding sources for the capital plan comes from user fees, sales tax, development fees, grants, loans, bonds, and funded depreciation (Water, Sewer and Storm water Funds).

SERVING OUR COMMUNITY • IT'S A TRADITION

We promise to preserve and improve the quality of life for Greeley through timely, courteous and cost effective service.

The food tax (3.0% sales tax on food) is the largest source of revenue for capital projects not related to the enterprise funds (Water, Sewer, Golf, Storm water and Cemetery) and is restricted by ordinance to funding facilities and infrastructure repairs, maintenance and improvements. The primary use of these funds is street maintenance. The program, which was extended through 2011 via a 2005 vote of the citizens, is carefully monitored to insure compliance with the intent of the ordinance.

The Utility Funds (Water, Sewer, and Storm water) appropriate 100% of the annual depreciation for the replacement of equipment and infrastructure. New construction is funded primarily by bond or loan proceeds, plant investment fees, development fees, and reserves from user fees. Water and Sewer project priorities are established by the Water and Sewer Board (also charged with setting minimum water and sewer rates).

The Quality of Life projects are funded by .3% sales and use tax; projects include construction, improvement, and renovation of recreation, parks and cultural amenities. The tax increase was approved by the citizens at the election held on November 5, 2002. Collection of the tax increase commenced as of January 1, 2003 and will expire on December 31, 2022.

Development fees are used for developing fire and police protection improvements, constructing new roads, developing and improving parks and establishing linear parks, open spaces and trail systems.

City of Greeley Priority Scheme

Priority I: Imperative (MUST-DO)-Projects that cannot reasonably be postponed in order to avoid harmful or otherwise undesirable consequences.

- Corrects a condition dangerous to public health or safety
- Satisfies a legal obligation (law, regulation, court order, contract)
- Alleviates an emergency service disruption or deficiency
- Prevents irreparable damage to a valuable public facility

Priority II: Essential (SHOULD-DO)-Projects that address clearly demonstrated needs or objectives.

- Rehabilitates or replaces an obsolete public facility or attachment thereto
- Stimulates economic growth and private capital investment
- Reduces future operating and maintenance costs
- Leverages available State or Federal funding

Priority III: Important (COULD-DO)-Projects that benefit the community but may be delayed without detrimental effects to basic services.

- Provides a new or expanded level of service
- Promotes intergovernmental cooperation
- Reduces energy consumption
- Enhances cultural or natural resources





Public Improvement

Beginning Balance	2012	2013	2014	2015	2016	Total
	\$ 680,161	\$ 623,005	\$ 1,169,701	\$ 1,708,926	\$ 2,233,748	

Revenue

	Bonds/External Loans	-	-	-	-	-
	Development Fees	-	-	-	-	-
	Fees & Charges	-	-	-	-	-
	Funded Depreciation	-	-	-	-	-
	Interest on Investments	-	-	-	-	-
	Intergovernmental Revenue	700,000	700,000	700,000	700,000	3,500,000
	Miscellaneous	-	-	-	-	-
	Shared Concrete/Property Owners	-	-	-	-	-
	Transfers In	29,844	9,296	17,035	19,463	97,176
Revenue Total		729,844	709,296	717,035	719,463	3,597,176

Other Expenditures & Funded Projects

Rank	Priority	Cont #					
			Debt Service	-	-	-	-
			Miscellaneous	-	-	-	-
			Rebate Program	-	-	-	-
			Transfers Out	-	-	-	-
1	Priority 1 - Imperative	725	Bridge Maintenance	137,000	162,600	177,810	194,641
2	Priority 2 - Essential	(Sf) 889	59th Avenue Shoulder Widening, 4th	650,000	-	-	-
Other Expenditures/Project Costs Total				787,000	162,600	177,810	194,641
							208,641
							1,530,692

Ending Balance	\$ 623,005	\$ 1,169,701	\$ 1,708,926	\$ 2,233,748	\$ 2,746,645
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Unfunded Projects

Rank	Priority	Cont #	Project Name					
3	Priority 1 - Imperative	802	Linn Grove Columbarium Garden	82,784	-	-	-	82,784
4	Priority 2 - Essential	(Sf) 712	Energy savings separation of UCCC	-	200,525	380,427	-	580,952
5	Priority 2 - Essential	(Sf) 361	Public Safety/Government Training F	-	-	-	781,061	2,549,723
6	Priority 2 - Essential	(Sf) 746	Add Restrooms-Manfort Concert Ha	-	26,108	103,374	-	129,482
7	Priority 2 - Essential	(Sf) 808	Boomerang Clubhouse Expansion	-	-	504,263	-	504,263
8	Priority 3 - Important	(Sf) 812	Centennial Village Pavillion	-	-	9,000	173,305	182,305
9	Priority 2 - Essential	(Sf) 803	Linn Grove Irrigation	12,950	168,550	-	-	181,500
10	Priority 2 - Essential	(Sf) 813	Highland Hills GC Clubhouse Additio	-	-	-	303,500	303,500
11	Priority 3 - Important	(Sf) 253	Parking lot for Balsam Sports Park	-	25,250	21,500	265,825	312,575
12	Priority 2 - Essential	(Sf) 53	Bikeway Program	55,000	55,000	-	-	110,000
13	Priority 2 - Essential	(Sf) 719	Relocate Shell to Dock	-	-	23,000	89,350	112,350
14	Priority 2 - Essential	(Sf) 709	UCCC Accessibility Elevator Project	-	-	69,942	425,690	495,632
15	Priority 2 - Essential	(Sf) 525	Kiwanis Park Expansion	-	-	-	19,985	192,385
16	Priority 2 - Essential	(Sf) 76	9th/10th/23rd Intersections	-	510,500	3,314,300	-	3,824,800
17	Priority 3 - Important	(Sf) 395	Centennial Pool Shelters & Barbeque	158,500	-	-	-	158,500
18	Priority 3 - Important	(Sf) 394	Collections Shelving	-	-	-	217,150	217,150
19	Priority 3 - Important	(Sf) 387	Exhibit Production Upgrade	-	-	85,850	-	85,850
20	Priority 3 - Important	(Sf) 708	Lower Level Senior Center	-	-	350,500	-	350,500
21	Priority 3 - Important	(Sf) 744	Add Dressing Rooms to Hensel Phelc	-	10,985	55,435	-	66,420
22	Priority 3 - Important	(Sf) 315	HVAC at Centennial Village	-	-	-	62,900	62,900
23	Priority 3 - Important	(Sf) 163	Centennial Village Commercial Dist	-	-	110,250	1,121,531	397,425
24	Priority 3 - Important	(Sf) 814	Plumb Farm Access & Parking Lot	-	334,092	-	-	334,092
25	Priority 3 - Important	(Sf) 509	UCCC Parking Expansion	-	-	-	80,333	513,756
26	Priority 3 - Important	(Sf) 713	Exterior Re-Design	-	-	-	50,500	300,500
27	Priority 3 - Important	(Sf) 167	Meeker Home Yard Improvement	-	-	-	10,075	116,253
28	Priority 3 - Important	(Sf) 73	Island Grove Pond Development	-	145,000	874,500	-	1,019,500
29	Priority 2 - Essential	(Sf) 389	FunPlex Splash Pad	780,850	-	-	-	780,850
30	Priority 2 - Essential	(Sf) 792	Replace Burn Building	325,000	1,523,454	-	-	1,848,454
31	Priority 3 - Important	(Sf) 84	Public Works Street Facility	-	-	2,007,500	2,105,000	2,095,000
Unfunded Projects Total				\$ 1,415,084	\$ 2,999,464	\$ 7,909,841	\$ 5,492,220	\$ 6,359,042
								\$ 24,175,651

Infrastructure Maintenance

Project Name: # 725 Bridge Maintenance
Funding Source: Sales Tax on Food
Project Class: Infrastructure Maintenance
Purpose: Repair/Rehabilitation -- Street
Location: 0 City Wide

Department: Public Works
Division: Engineering Division
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 1 - Imperative (Must Do)

Description:

This project is for the on going maintenance of the City of Greeley's Bridges. The City has roughly 65 bridges in their City Limits and this funding would provide for ongoing maintenance every year. Presently we are using money from the Food Tax Program of \$25,000.00 and this is used for just fixing the worst issues.

Justification:

The aging infrastructure continues as an issue for bridges. Some of the City of Greeley's Bridges are over 100 years old. At various time in there life cycle it is necessary that maintenance to these bridges take place. This can be Painting, Concrete Repair, Signage, and Bridge evaluation by Certified Inspection Agency. Greeley's bridges are beginning to fall into a need maintenance cycle and the required funding is not sufficient for providing the correct and proper maintenance.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$108,000	\$133,600	\$148,810	\$165,641	\$179,641	\$735,692
Design	-	-	-	-	-	-
Professional Services	2,000	2,000	2,000	2,000	2,000	10,000
Project Management	20,000	20,000	20,000	20,000	20,000	100,000
Capital	-	-	-	-	-	-
Contingency	5,000	5,000	5,000	5,000	5,000	25,000
Operating	1,000	1,000	1,000	1,000	1,000	5,000
Miscellaneous	1,000	1,000	1,000	1,000	1,000	5,000
Total Cost	\$137,000	\$162,600	\$177,810	\$194,641	\$208,641	\$880,692

Entryway/Neighborhood Improvements

Project Name: # 889 59th Avenue Shoulder Widening, 4th St to Poudre River Bridge
Department: Public Works
Funding Source: General Fund Contribution
Division: Engineering
Project Class: Entryway/Neighborhood Improvements
Ward: 4 10 ST NORTH/ 23 AVE WEST
Purpose: New/Enhancement -- Street
Impact Zone: Not Applicable
Location: 5 N of 10th St - E of 71st Ave - W of 35th Ave
Priority: Priority 2 - Essential (Should Do)

Description:

This project will widen the roadway pavement and add shoulders on both sides, along 59th Avenue from 4th Street to "C" the Cache La Poudre Bridge.

Justification:

59th Avenue, from 4th Street north to the Poudre River Bridge, has one lane of pavement in each direction with no shoulders and steep drop offs beyond the pavement edge. This route is heavily used by traffic as well as bicycle riders accessing the Poudre River Trail. It is not safe for bicycles to use this route, especially during high traffic volume periods. This project will add embankment and paved shoulders, and straighten out some of the alignment problems with the roadway north of "C" Street.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$555,000	\$-	\$-	\$-	\$-	\$555,000
Design	15,000	-	-	-	-	15,000
Professional Services	-	-	-	-	-	-
Project Management	26,000	-	-	-	-	26,000
Capital	-	-	-	-	-	-
Contingency	54,000	-	-	-	-	54,000
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$650,000	\$-	\$-	\$-	\$-	\$650,000

Unfunded Capital Improvement Projects 2012 - 2016

Public Improvement

Ctrl #	Project	Department	Rank	Description
802	Linn Grove Columbarium Garden	Public Works	1	Installation of 124 niche columbarium at Linn Grove Cemetery
712	Energy savings separation of UCCC from Recreation Center	Leisure Services	2	Run new main supply lines, install new power transformers, and install new power disconnects for road shows at the Union Colony Civic Center; completely separating power from the Downtown Recreation Center.
361	Public Safety/Government Training Facility	Fire	3	This project is for further development of the acreage surrounding the burn building site for a training campus (see control #792 for location). The facility will include two new buildings: a classroom/service structure and a multi-purpose high-rise structure three to seven stories high. The training ground will include concrete pads for emergency driving procedures and confined space for rescue and trench rescue operations. The facility will be utilized by multiple City departments for specialized training, foremost for Police driving and SWAT operations. The proposed plan delineates a phased construction schedule starting with design expenses in 2015, a training tower in 2016, and the classroom/service building construction in 2017. At completion, the facility will be available for the Aims Community College fire science programs and academies. This will likely result in Aims housing their Fire Science Program in the new facility thus generating income to the City through use agreements/intergovernmental agreements (IGAs).
746	Add Restrooms-Monfort Concert Hall	Leisure Services	4	Add restrooms on the third floor of the Monfort Concert Hall lobby. Adding a men's with 3 stalls and a women's with 8 stalls.
808	Boomerang Clubhouse Expansion		5	This project will expand the existing Boomerang Links clubhouse by adding a second floor over the existing roof line the full length and width of the existing building. It will have an open, Americans with Disabilities Act (ADA) compliant floor plan with a full length deck facing the mountains. It will also include an ADA compliant elevator and stairway from ground level and restrooms. Construction estimates and revenue projections were provided by City of Greeley staff.
812	Centennial Village Pavilion		6	Construct a new historically inspired covered concrete pad within the Centennial Village complex for use throughout the season by rental groups, internal events, and for winter use as an outdoor historic skating rink.
803	Linn Grove Irrigation	Public Works	7	This project will be the last step in eliminating the existing flood irrigation system in sections 17-23 in Linn Grove Cemetery. This area encompasses nearly 7 acres. The automated system will be tied to an existing pumping station and tapped in to the existing main line.

Unfunded Capital Improvement Projects 2012 - 2016

Public Improvement

Ctrl #	Project	Department	Rank	Description
813	Highland Hills GC Clubhouse Addition	Leisure Services	8	A two-story addition attached to the south side of existing Clubhouse that would extend over the current turf area. Lower level would be of a hard surface i.e. pavers, concrete or similar and have the ability to be closed on three sides with the north side facing the current clubhouse. Propane heaters, ample tables and chairs, wood/gas firepit and a gas barbecue grill would complete the area. The upper level would be available for rental as a conference room/ party area and would include a single restroom with an ADA elevator and stairs for emergency egress. The room would have a VCT tile floor and many high efficiency windows. To the west side would be a small deck that would overlook the golf course. The interior would be climate controlled with both ceiling fans and a floor/wall mounted heating/ cooling unit.
253	Parking lot for Balsam Sports Park	Public Works	9	Purchase 2.5 acres located directly to the South of Balsam Sports Park for the construction of on site parking to serve Balsam Sports Park.
53	Bikeway Program		10	Design and construct additional bikeways and route markings throughout the city along existing streets, as recommended in the comprehensive bike route study. Example routes are 13th St from 1st Avenue to 35th Avenue. May require streets to be restriped using "road diet", changing existing 4-lane streets to 2 lane streets with enhanced left turn lanes.
719	Relocate Shell to Dock	Leisure Services	11	Enlarge the doors in the upstage wall of the Monfort Concert Hall stage so the orchestra shell walls can be taken out of the backstage theatre wings when they are not being used. See attached documentation.
709	UCCC Accessibility Elevator Project		12	Extend passenger elevator to 3rd floor. Currently the elevator is shared between the Downtown Recreation Center and The Union Colony Civic Center and it services the first and second floors of the Civic Center Lobby but not the third floor.
525	Kiwanis Park Expansion	Public Works	13	To further the expansion of Swanson Kiwanis Park by purchasing the final house located on the South East corner of Kiwanis Park. Phase I will involve the purchase of the property and phase II will include house removal, irrigation and landscape installation.
76	9th/10th/23rd Intersections		14	Redesign and reconstruct these arterial street intersections, probably as a roundabout, to replace two intersection signals that are close together. Project is on CDOT Business 34 Route. It is anticipated that a match to MPO administrated Transportation Improvement Funds will be requested. Project is 50% New/Enhancement and 50% Repair/Mtnce.
395	Centennial Pool Shelters & Barbeque	Leisure Services	15	Build two shelters (similar to Twin Rivers Park) plus barbeque pits and picnic tables at Centennial Pool for corporate party rentals.

Unfunded Capital Improvement Projects 2012 - 2016

Public Improvement

Ctrl #	Project	Department	Rank	Description
394	Collections Shelving	Leisure Services	16	This project will add twelve moveable shelving carriages and related shelving to a collections storage area at the Greeley History Museum, increasing the storage capacity of the room by approximately 50%.
387	Exhibit Production Upgrade		17	This project provides for the purchase of exhibit cases (mobile & stationary), mobile walls, energy efficient LED lighting, and picture rail to allow exhibits to be produced using standard layouts. Electrical outlets will be added to the main lobby of the Greeley History Museum to facilitate exhibit placement.
708	Lower Level Senior Center		18	Create multiple activity rooms by repair of existing walls, ceilings, floors and the removal of existing walls, the upgrade of electric, lighting, storage and sound dampening surfaces. Rooms would consist of a media/movie room, a multi-use room, a reflection room, and expand the lapidary room. In addition, the renovation of existing restrooms to become ADA compliant, locker rooms and a storage space converted to shell for tenant finish for physical therapy services for seniors.
744	Add Dressing Rooms to Hensel Phelps Theatre		19	Add four dressing rooms, with makeup mirrors, sinks, restrooms and hanging racks to the Hensel Phelps theater. These will supplement the one stall that's in the theatre.
315	HVAC at Centennial Village		20	Install a new heating/ventilation/air conditioning (HVAC) system in the fire hall, print shop, vehicle storage building, and the German-Russian house. An upgrade to the HVAC system in the Hall House is also part of this project.
163	Centennial Village Commercial District - Opera House		21	This project will continue work on the Commercial District at Centennial Village, which has been a part of the museum's master plan since 2001. It will provide additional exhibit space to show 1920-1940s businesses, additional storage for equipment and supplies, and store front exhibit cases. The project will include an Opera House representing Greeley's early businesses and will allow for both temporary exhibition display and year-round rental of the facility for weddings, meetings, and dinner theater presentations. The streetscape between existing and new buildings will be built to complete this portion of the village. The facility will seat 400.
814	Plumb Farm Access & Parking Lot		22	Create an improved (paved) access road into the Plumb Farm and terminating in a paved parking lot.
509	UCCC Parking Expansion		23	Purchase the small restaurant & Lot on the SW corner of 11th Ave and 7th St. to turn into parking/storage.
713	Exterior Re-Design		24	Redesign the front of the center with a new landscape plan, lighting and sculptures. (50% new/50% repair/rehab)

Unfunded Capital Improvement Projects 2012 - 2016

Public Improvement

Ctrl #	Project	Department	Rank	Description
167	Meeker Home Yard Improvement	Leisure Services	25	A shelter will be built in the Meeker Home Museum yard to facilitate outdoor activities on the lawn. A second bathroom and additional storage space will be added to the existing outbuilding. Historically appropriate landscaping will be designed and installed.
73	Island Grove Pond Development		26	Development of an eight acre lake located west of the Exhibition Building for fishing, boating and model boating, concrete trail, camping sites and picnic shelter. Will not happen until Bucklen Equipment completes mining operation in 2012 or 2013.
389	FunPlex Splash Pad		27	Additional amenity of a splash park to Family FunPlex west of pool patio area very similar to what is located at the Island Grove or Sunrise Splashpark.





Food Tax

	2012	2013	2014	2015	2016	Total
Beginning Balance	\$ -	\$ 39,400	\$ 468,680	\$ 500,480	\$ 940,010	
Revenue						
Bonds/External Loans	-	-	-	-	-	-
Development Fees	-	-	-	-	-	-
Fees & Charges	-	-	-	-	-	-
Funded Depreciation	-	-	-	-	-	-
Interest on Investments	-	-	-	-	-	-
Intergovernmental Revenue	-	-	-	-	-	-
Miscellaneous	3,000	3,000	3,000	2,000	2,000	13,000
Shared Concrete/Property Owners	-	-	-	-	-	-
Transfers In	4,161,850	4,200,000	4,200,000	4,200,000	4,200,000	20,961,850
Revenue Total	4,164,850	4,203,000	4,203,000	4,202,000	4,202,000	20,974,850

Other Expenditures & Funded Projects

Rank	Priority	Cont #		2012	2013	2014	2015	2016	Total
			Debt Service	-	-	-	-	-	-
			Miscellaneous	-	-	-	-	-	-
			Rebate Program	65,000	65,000	65,000	65,000	65,000	325,000
			Transfers Out	-	-	-	-	-	-
1	Priority 1 - Imperativ	34	Pavement Maintenance	3,100,000	3,100,000	3,100,000	3,100,000	3,100,000	15,500,000
2	Priority 1 - Imperativ	38	ADA Access Ramps/Sidewalks	105,500	110,000	115,000	120,000	125,000	575,500
3	Priority 2 - Essential	40	Concrete Repair Program	150,000	155,000	160,000	165,000	170,000	800,000
4	Priority 2 - Essential	50	North Front Range MPO Administration	60,000	60,000	60,000	60,000	60,000	300,000
5	Priority 2 - Essential	711	UCCC Dimmer Replacement Project	250,000	-	-	-	-	250,000
6	Priority 1 - Imperativ	37	Handicap Access Improvements ADA	119,150	61,920	293,000	80,170	347,100	901,340
7	Priority 1 - Imperativ	728	Parking Lot Maintenance	100,000	100,000	100,000	100,000	100,000	500,000
8	Priority 1 - Imperativ	731	Public Building HVAC Repair/Replacement	175,800	121,800	278,200	72,300	273,800	921,900
Other Expenditures/Project Costs Total				4,125,450	3,773,720	4,171,200	3,762,470	4,240,900	20,073,740

Ending Balance	\$ 39,400	\$ 468,680	\$ 500,480	\$ 940,010	\$ 901,110
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Unfunded Projects

Rank	Priority	Cont #	Project Name	2012	2013	2014	2015	2016	Total
9	Priority 1 - Imperativ	158	Playground Safety Surface Replacement	72,608	74,732	71,272	-	-	218,612
10	Priority 1 - Imperativ	35	Public Building Roof Repair	67,900	26,700	80,300	77,000	90,800	342,700
11	Priority 2 - Essential	880	Cottonwood Park Lake bentonite lining	74,400	-	-	-	-	74,400
12	Priority 2 - Essential	722	Boomerang Pump Stations	191,986	-	-	-	-	191,986
13	Priority 2 - Essential	157	Irrigation Redesign and Replacement: City Hall/	-	146,946	-	-	-	146,946
14	Priority 2 - Essential	710	UCCC Aisle Lighting	5,200	46,500	-	-	-	51,700
15	Priority 2 - Essential	93	Forbes Field Irrigation/field lighting.	-	169,636	90,474	89,650	-	349,760
16	Priority 1 - Imperativ	724	Bike Path Repairs	133,200	133,200	133,200	133,200	133,200	666,000
17	Priority 2 - Essential	881	Linn Grove Pond Lining	52,850	-	-	-	-	52,850
18	Priority 1 - Imperativ	729	Durable Pavement Marking Maintenance	100,000	100,000	100,000	100,000	100,000	500,000
19	Priority 3 - Important	272	Cart Path Replacement - Highland Hills	-	100,000	-	100,000	-	200,000
20	Priority 1 - Imperativ	734	Traffic Sign Replacement Program	125,000	125,000	125,000	125,000	125,000	625,000
21	Priority 2 - Essential	879	Bittersweet Park Irrigation Pump	125,929	-	-	-	-	125,929
22	Priority 2 - Essential	301	Linn Grove Pavement Overlay	32,934	23,762	36,333	-	-	93,029
23	Priority 2 - Essential	714	Replace HVAC for MCH, HPT	-	158,025	350,500	-	-	508,525
24	Priority 2 - Essential	730	Public Building Electrical Upgrades	113,300	73,000	60,300	39,300	115,300	401,200
25	Priority 2 - Essential	383	Fire Station 2 Replacement	-	999,164	2,807,624	-	-	3,806,788
26	Priority 2 - Essential	241	Irrigation Redesign Replacement Farr and Luthe	-	-	130,116	125,427	-	255,543
27	Priority 2 - Essential	809	Boomerang Lake Bank Stabilization	88,454	-	-	-	-	88,454
28	Priority 2 - Essential	717	Monfort Concert Hall stage floor replacement	-	79,743	-	-	-	79,743
29	Priority 2 - Essential	811	Centennial Pool Shell and Building Repairs	-	-	-	121,225	-	121,225
30	Priority 2 - Essential	720	Recreation Center Carpeting of Entire Facility	-	96,460	-	-	-	96,460
31	Priority 3 - Important	136	Cart Paths - Boomerang	100,000	-	100,000	-	-	200,000
32	Priority 3 - Important	715	UCCC Carpet Replacement	-	194,250	-	-	-	194,250
33	Priority 3 - Important	718	MCH Seat Upholstery Replacement	-	-	6,609	128,335	-	134,944
34	Priority 3 - Important	270	East Lake Renovation - Highland Hills	-	-	186,500	-	-	186,500
35	Priority 3 - Important	807	Boomerang Clubhouse Asphalt Renovation	-	90,249	-	-	-	90,249
36	Priority 2 - Essential	450	Security Upgrade at Museum Locations	-	81,500	-	-	-	81,500
37	Priority 2 - Essential	32	Left Turn Improvements	165,000	-	-	-	-	165,000
38	Priority 2 - Essential	723	35th Avenue @ 16th Street Traffic Signal Replace	150,000	-	-	-	-	150,000
39	Priority 2 - Essential	700	Fire Station 4 Replacement	-	-	991,427	2,262,907	-	3,254,334
Unfunded Projects Total				\$ 1,598,761	\$ 2,718,867	\$ 5,269,654	\$ 3,302,044	\$ 564,300	\$ 13,453,627

Entryway/Neighborhood Improvements

Project Name: # 38 ADA Access Ramps/Sidewalks	Department: Public Works
Funding Source: Sales tax on Food	Division: Engineering
Project Class: Entryway/Neighborhood Improvements	Ward: 0 MULTIPLE WARDS
Purpose: New/Enhancement -- Concrete	Impact Zone: Not Applicable
Location: 0 City Wide	Priority: Priority 1 - Imperative (Must Do)

Description:

This project will construct handicap access ramps and adjoining sidewalks at various locations. High priority areas include most of the area east of 35th Avenue. One targeted area is the Billie Martinez neighborhood (between 2nd and 8th Streets and 14th and 23rd Avenues). Work here will compliment ongoing pedestrian access upgrades being completed with GURA funds. This is an on-going annual program.

Justification:

Many areas in the City have limited mobility opportunities for pedestrians in wheel chairs. Without ramps in existing curbs, persons have to travel within the roadway. Improvements are required by the Federal Americans Disabilities Act legislation.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$85,200	\$88,700	\$92,150	\$96,150	\$100,100	\$462,300
Design	-	-	-	-	-	-
Professional Services	300	300	350	350	400	1,700
Project Management	15,000	16,000	17,000	18,000	19,000	85,000
Capital	-	-	-	-	-	-
Contingency	5,000	5,000	5,500	5,500	5,500	26,500
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$105,500	\$110,000	\$115,000	\$120,000	\$125,000	\$575,500

Infrastructure Maintenance

Project Name: # 40 Concrete Repair Program
Funding Source: Sales Tax on Food
Project Class: Infrastructure Maintenance
Purpose: Repair/Rehabilitation -- Street
Location: 0 City Wide

Department: Public Works
Division: Engineering
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

The concrete repair program is for the replacement of deteriorated sidewalks, curbs and gutters, cross pans, alley entrances, etc. throughout the City that are the City's responsibility. The focus will be on areas planned for future overlay/reconstruction street projects and at areas that pose health and safety problems. Curb & Gutter and crosspans that hold water are given special consideration to remove the threat of damage to subbase materials that can cause deterioration to street pavement sections due to loss of adequate structural support.

Justification:

Much of the concrete infrastructure throughout the City is deteriorated and a higher funding level is needed to begin to remedy the problem.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$124,000	\$128,500	\$131,450	\$136,450	\$140,400	\$660,800
Design	-	-	-	-	-	-
Professional Services	500	500	550	550	600	2,700
Project Management	17,500	18,000	19,000	19,000	20,000	93,500
Capital	-	-	-	-	-	-
Contingency	8,000	8,000	9,000	9,000	9,000	43,000
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$150,000	\$155,000	\$160,000	\$165,000	\$170,000	\$800,000

Public Buildings Repair/Replacement

Project Name: # 711 UCCC Dimmer Replacement Project
Funding Source: Sales Tax on Food
Project Class: Public Buildings Repair/Replacement
Purpose: Repair/Rehabilitation -- Building
Location: 2 N of 10th St - W of HWY 85 - E of 35th Ave

Department: Leisure Services
Division: Union Colony Civic Center
Ward: 1 16 ST NORTH/ 35 AVE EAST
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

Replace the 20 year old analogue dimmers that control the theatrical lighting equipment with new digital, more efficient industry standard, technology compatible dimmers.

Justification:

Upgrading to LED fixtures over the next year to become more energy efficient makes replacement of dimming system critical to properly power the new technology. The current analogue dimmers are 20 years old and replacement parts are no longer available. Contracts for shows are increasingly requiring DMX (digital) dimmer systems. Compatibility issues, resulting in anything from a simple light flicker to possible outages during road shows, or cancellation of entire events (resulting in refund demands for tickets) will begin in a few years due to our old analogue technology being phased out and new technology being brought in on large road shows. Power savings will be gained from the newer more efficient technology's lower heat load on the building AC, as well as more efficient power control. This estimate generated by UCCC staff from phone calls with industry suppliers.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$212,500	\$-	\$-	\$-	\$-	\$212,500
Design	10,000	-	-	-	-	10,000
Professional Services	1,500	-	-	-	-	1,500
Project Management	5,000	-	-	-	-	5,000
Capital	-	-	-	-	-	-
Contingency	17,000	-	-	-	-	17,000
Operating	-	-	-	-	-	-
Miscellaneous	4,000	-	-	-	-	4,000
Total Cost	\$250,000	\$-	\$-	\$-	\$-	\$250,000

Parks Maintenance/Improvement

Project Name: # 37 Handicap Access Improvements ADA **Department:** Public Works
Funding Source: Sales Tax on Food **Division:** Building Maintenance
Project Class: Parks Maintenance/Improvement **Ward:** 0 MULTIPLE WARDS
Purpose: Repair/Rehabilitation -- Other **Impact Zone:** Not Applicable
Location: 0-City Wide **Priority:** Priority 1- Imperative (Must Do)

Description:

2012 - Replace door hardware in UCCC. 2013 - Provide accessible signage in UCCC. 2015 Hensel Phelps Direct access to stage and relocate backstage exit 2016 - Public Works Elevator Replacement

Justification:

To become compliant with Federal Regulations under ADA.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$20,900	\$54,000	\$235,500	\$66,850	\$294,600	\$671,850
Design	-	-	15,000	1,200	15,000	31,200
Professional Services	300	300	1,500	1,500	1,500	5,100
Project Management	5,000	5,000	5,000	5,000	5,000	25,000
Capital	-	-	-	-	-	-
Contingency	5,000	2,000	35,000	5,000	30,000	77,000
Operating	86,900	-	-	-	-	86,900
Miscellaneous	1,050	620	1,000	620	1,000	4,290
Total Cost	\$119,150	\$61,920	\$293,000	\$80,170	\$347,100	\$901,340

Parks Maintenance/Improvement

Project Name: # 731 Public Building HVAC Repair/Replacement **Department:** Public Works
Funding Source: Sales Tax on Food **Division:** Building Maintenance
Project Class: Parks Maintenance/Improvement **Ward:** 0 MULTIPLE WARDS
Purpose: Repair/Rehabilitation -- Building **Impact Zone:** Not Applicable
Location: 0 City Wide **Priority:** Priority 1 - Imperative (Must Do)

Description:

2012- Pool Boilers at Rec Ctr & Centennial and (4) RTU's at Rodarte. 2013 - Replace RTU-6, DHWH/Pump @ UCCC and Rebuild Blower @ Rec Ctr. 2014 - Replace VAV Boxes at Rec Ctr & CHA. 2015 - Replace 1st Floor Ductwork @ PW . 2016 - Replace baseboard piping at CH.

Justification:

Equipment in buildings are become outdated and the repairs cost to maintain are more than replacing the unit. This must be done to help with energy savings costs and to reduce breakdown time and lost of revenues during breakdowns. All equipment has exceed it life expectance.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$156,000	\$105,000	\$258,400	\$60,000	\$249,000	\$828,400
Design	8,000	5,000	8,000	5,000	8,000	34,000
Professional Services	500	500	500	500	500	2,500
Project Management	1,000	1,000	1,000	1,000	1,000	5,000
Capital	-	-	-	-	-	-
Contingency	10,000	10,000	10,000	5,500	15,000	50,500
Operating	-	-	-	-	-	-
Miscellaneous	300	300	300	300	300	1,500
Total Cost	\$175,800	\$121,800	\$278,200	\$72,300	\$273,800	\$921,900

Unfunded Capital Improvement Projects 2012 - 2016

Sales Tax on Food

Ctrl #	Project	Department	Rank	Description
158	Playground Safety Surface Replacement	Public Works	9	Remove and replace safety surfacing at the following locations: Bittersweet(2), Glenmere, Sunrise, Westmoor, Anna Gimestad, Rodarte, Broadview and Woodbriar.
35	Public Building Roof Repair		10	Repair and/or replace aged roofs throughout the city; UCCC Level A / B a 23 years old roof system, Rodarte Center Level A a 15 year old roof system, City Hall Annex 17 year old roof system and Public Works roof age unknown. Average life of a roof systems are 15 to 20 years on a commercial building. Repairs as needed to other building.
880	Cottonwood Park Lake bentonite lining		11	Line the lake with bentonite to prevent leakage of stored water.
722	Boomerang Pump Stations	Leisure Services	12	Replace existing pump stations on both front and back nine at Boomerang Golf Course.
157	Irrigation Redesign and Replacement: City Hall/Rodarte/Sunrise	Public Works	13	This will allow for the redesign and replacement of the existing irrigation systems located at Rodarte Park, Sunrise Park and City Hall.
710	UCCC Aisle Lighting	Leisure Services	14	This project will add light-emitting diode (LED) aisle/stair lighting illumination to all aisles/stairs in the Monfort Concert Hall.
93	Forbes Field Irrigation/field lighting.	Public Works	15	These funds will be used to repair the bleacher area, replace the irrigation system, renovate the infield, replace both dugouts and replacement the ballfield lighting.
724	Bike Path Repairs		16	This project is for the Reconstruction, Major and Minor Maintenance and Improvements to our Bike and Walking Paths. These paths provide the walking, riding and running public a safe travelable surface.
881	Linn Grove Pond Lining		17	Repair of existing bentonite liner at the irrigation pond in Linn Grove Cemetery. The pond with island setting is a direct cremation burial area with over 50 burials and it is our goal to keep the pond area visually attractive. The pond is supplied by a cemetery well, and the water is pumped out by an automated system to irrigate another area of the cemetery.
729	Durable Pavement Marking Maintenance		18	The City of Greeley maintains over 376 miles of streets with-in the City Limits. Not all of the streets maintained by the city have marking installed on them, however a substantial number of streets are marked with; long line strips, crosswalks, stop lines and symbol markings. The average life cycle of a durable pavement marking is 5 years, this project will identify the existing markings that do not meet federal requirements for visibility and reflectivity and replace them.

Unfunded Capital Improvement Projects 2012 - 2016

Sales Tax on Food

Ctrl #	Project	Department	Rank	Description
272	Cart Path Replacement - Highland Hills	Leisure Services	19	Project would include the removal of old asphalt paths and the construction of new 8' concrete paths. We would do approximately 1,500 linear feet.
734	Traffic Sign Replacement Program	Public Works	20	The City is responsible for the maintenance of over 22,000 signs through the City. This program will assure that the City meets Federal requirements by replacing faded signs that are maintained by the City.
879	Bittersweet Park Irrigation Pump		21	Replacement of existing irrigation pump with new.
301	Linn Grove Pavement Overlay		22	Hard surface pavement overlay of various paved roads in the cemetery. Three areas have been identified that need pavement rehabilitation to maintain the standards desirable at Linn Grove: Area 1 (1st Year) is the area around the office, which is the hub of business operations. Area 2 (2nd year) is East Cemetery Block 31. It is currently road base. Area 3 (3rd year) is North Cemetery, Block 28.
714	Replace HVAC for MCH, HPT	Leisure Services	23	Public Works has replaced the systems servicing the lobbies this project would be a continuation of that to replace the systems in Monfort Concert Hall and Hensel Phelps Theatre. Replacing the HVAC systems and adding air curtains at the entrances to the lobbies and docks. This will keep exterior air from rushing in when doors are open in hot or cold weather, thus increasing efficiency of the system and saving money.
730	Public Building Electrical Upgrades	Public Works	24	2012 -Energy Audits for city buildings 2013 - LED Lighting upgrades to the Funplex parking lots 2014 - Lighting Retrofit at Funplex 2015 - Street Div. Generator Installation 2016 - Future Projects from Building Audits
383	Fire Station 2 Replacement	Fire	25	This is for the replacement of the existing Fire Station #2 with a new building on the west end of same site (Reservoir Road/23rd Ave). The new station will accommodate the two existing fire companies and include three apparatus bays, a training room, and space for storage.
241	Irrigation Redesign Replacement Farr and Luther Park	Public Works	26	This will allow for the redesign and replacement of the existing irrigation systems located at Farr Park and Luther Park.
809	Boomerang Lake Bank Stabilization	Leisure Services	27	This project is for construction of stabilization and retaining walls at the South Nine of Boomerang Links. The lake edges along hole numbers two (tee and green) and nine are deteriorating and need to be stabilized to prevent putting green failure. The irrigation lake on the number two tee box is rapidly failing and allowing soil to cover the intake of irrigation pumps and is creating a hazard for the players. A retaining wall constructed of boulders and covered with soil will be built on the number two tee.

Unfunded Capital Improvement Projects 2012 - 2016

Sales Tax on Food

Ctrl #	Project	Department	Rank	Description
717	Monfort Concert Hall stage floor replacement	Leisure Services	28	This project will replace the wooden stage floor in the Monfort Concert Hall.
811	Centennial Pool Shell and Building Repairs		29	This project will sand blast or strip the pool shell, repair the chipping concrete in the pool shell, paint the pool shell and the competitive swim lines and murals on the deck and shell. In addition, the bath house will be painted inside and out, along with the pump room and all the metal on the awning structures.
720	Recreation Center Carpeting of Entire Facility		30	Replace the carpet in the Recreation Center on all three levels.
136	Cart Paths - Boomerang		31	Cart paths not installed during initial construction phases.
715	UCCC Carpet Replacement		32	Replace the carpet in the UCCC lobbies and Monfort Concert Hall.
718	MCH Seat Upholstery Replacement		33	This project will reupholster the seating in the Monfort Concert Hall.
270	East Lake Renovation - Highland Hills		34	Project would stabilize lake banks and possibly enlarge the holding capacity of the lake. The project would greatly enhance the appearance of the lake by removing the large pieces of concrete and rip-rap that currently surround the lake.
807	Boomerang Clubhouse Asphalt Renovation		35	This project will remove existing asphalt at Boomerang Clubhouse and practice areas, and replace with concrete. West side adjacent to clubhouse, cart parking, cart wash area, path to driving range.
450	Security Upgrade at Museum Locations		36	This project is for the addition of security cameras, motion detectors and prox card readers at the Greeley History Museum. The security system at Centennial Village will also be upgraded to replace the fifteen year old master controls. Motion detectors will be added to several buildings and several exterior cameras will also be added to monitor the parking lot and security-sensitive areas on the site. The Meeker Home will have security sensors added to the outbuilding (storage and restroom), and cameras will be added to monitor the building exterior. (25% new, 75% rehabilitation)
32	Left Turn Improvements	Public Works	37	The intersection of 43rd Avenue and 10th Street is a signalized intersection. The traffic signal is in need of left-turn arrows for the east and west directions. The existing traffic signal mast-arm poles are not sufficient to support the additional loading weight and must be replaced.

Unfunded Capital Improvement Projects 2012 - 2016

Sales Tax on Food

Ctrl #	Project	Department	Rank	Description
723	35th Avenue @ 16th Street Traffic Signal Replacement	Public Works	38	The traffic signal at 35th Avenue and 16th Street was built in the early 1980's, and the signal has served the public well for almost 30 years. In that time many changes have taken place in the traffic signal industry. 12"X8"X8" traffic signal heads were an acceptable standard and the Traffic Signal Mast-arm supports met the AASHTO standards at the time the signal was installed. The Signal heads and Mast-arms no longer comply with the current MUTCD or AASHTO Standards.





Fire Equipment Acquisition Replacement

	2012	2013	2014	2015	2016	Total
Beginning Balance	\$ 306,095	\$ 235,654	\$ 43,792	\$ -	\$ -	

Revenue

	Bonds/External Loans	-	-	-	-	-	-
	Development Fees	-	-	-	-	-	-
	Fees & Charges	-	-	-	-	-	-
	Funded Depreciation	-	-	-	-	-	-
	Interest on Investments	-	-	-	-	-	-
	Intergovernmental Revenue	340,000	357,000	374,850	393,593	413,272	1,878,715
	Miscellaneous	3,102	4,148	2,028,812	591,473	4,564	2,632,099
	Shared Concrete/Property Owners	-	-	-	-	-	-
	Transfers In	-	-	431,618	430,664	190,731	1,053,013
Revenue Total		343,102	361,148	2,835,280	1,415,730	608,567	5,563,827

Other Expenditures & Funded Projects

Rank	Priority	Cont #							
			Debt Service	382,649	379,900	675,331	765,244	501,500	2,704,624
			Miscellaneous	30,894	173,110	2,203,741	650,486	107,067	3,165,298
			Rebate Program	-	-	-	-	-	-
			Transfers Out	-	-	-	-	-	-
Other Expenditures/Project Costs Total				413,543	553,010	2,879,072	1,415,730	608,567	5,869,922

Ending Balance	\$ 235,654	\$ 43,792	\$ -	\$ -	\$ -
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Unfunded Projects

Rank	Priority	Cont #	Project Name				
Unfunded Projects Total				\$ -	\$ -	\$ -	\$ -

Equipment Acquisition/Replacement

	Equipment	2012	2013	2014	2015	2016	Total
	Staff Car	30,894	-	-	-	-	30,894
	Staff SUV	-	61,166	63,135	-	-	124,301
	Crew Cab Pickup	-	48,024	-	-	-	48,024
	Staff Car	-	31,960	29,200	-	36,690	97,850
	Staff Car	-	31,960	29,187	-	-	61,147
	Pumper Truck	-	-	694,073	-	-	694,073
	Pumper Truck	-	-	694,073	-	-	694,073
	Pumper Truck	-	-	694,073	-	-	694,073
	Extrication System	-	-	-	30,300	-	30,300
	Midsize Pickup	-	-	-	18,630	-	18,630
	Fullsize Pickup	-	-	-	20,700	-	20,700
	Rescue Truck	-	-	-	580,856	-	580,856
	Van	-	-	-	-	70,377	70,377
Other Expenditures/Project Costs Total		30,894	173,110	2,203,741	650,486	107,067	3,165,298



Unfunded Capital Improvement Projects 2012 - 2016

Fire Development

Ctrl #	Project	Department	Rank	Description
700	Fire Station 4 Replacement	Fire	1	This is to replace the existing Fire Station #4, located at 2191 1st Ave, with a new building on a new site. The new station will accommodate the existing fire company with room for future expansion and will include three apparatus bays, a training room, and space for storage.
169	Fire Station 8		2	This project is for an additional fire station, staff and equipment to serve the area within a radius of approximately 2-3 miles of Promontory. This would include a three-bay fire station, one pumper truck, one ladder truck, two lieutenants, two engineers, and fire firefighters per shift (salaries, benefits, overtime) to meet Rapid Intervention Crew (RIC) requirements when supporting stations are some distance away (refer to current APFA developed by Community Planning). The station will be developed on land provided by Promontory, using the basic plan used for Station #3. It will include a community room, facilities for two companies, and a small district office for Police. It will also include the initial equipment and supplies needed for the new station and new personnel.
792	Replace Burn Building		3	This is for the negotiation of a 15-20 acre land parcel acquisition for development of multi-use facilities including trail access, parks, water aquisition and a Fire Department burn building. Several sites are under consideration, including City owned land and a possible site along the north side of F Street near 35th Ave. The proposed structure will be used for a multitude of firefighting training activities including live fire training, search and rescue, ventilation, and SCBA drills. In addition, other departments may utilize the structure for training, foremost for Police SWAT operations. Finally, Aims Community College as well as neighboring fire departments will be invited to utilize our burn structure for students enrolled in their firefighter academies.



Police Development

	2012	2013	2014	2015	2016	Total
Beginning Balance	\$ 74,514	\$ 94,714	\$ 114,914	\$ 135,114	\$ 155,314	

Revenue

	2012	2013	2014	2015	2016	Total
Bonds/External Loans	-	-	-	-	-	-
Development Fees	20,000	20,000	20,000	20,000	20,000	100,000
Funded Depreciation	-	-	-	-	-	-
Interest on Investments	200	200	200	200	200	1,000
Intergovernmental Revenue	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Shared Concrete/Property Owners	-	-	-	-	-	-
Transfers In	-	-	-	-	-	-
Revenue Total	20,200	20,200	20,200	20,200	20,200	101,000

Other Expenditures & Funded Projects

Rank	Priority	Cont #	Impact on Budget			
			Debt Service	-	-	-
			Miscellaneous	-	-	-
			Rebate Program	-	-	-
			Transfers Out	-	-	-
Other Expenditures/Project Costs Total				-	-	-

Ending Balance	\$ 94,714	\$ 114,914	\$ 135,114	\$ 155,314	\$ 175,514
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Unfunded Projects

Rank	Priority	Cont #	Project Name			
Unfunded Projects Total				\$ -	\$ -	\$ -





Island Grove Development

Beginning Balance
2012
2013
2014
2015
2016
Total
 \$(1,123,077) \$(1,096,120) \$(1,068,720) \$(1,041,020) \$(1,013,020)

Revenue

Bonds/External Loans	-	-	-	-	-	-
Development Fees	16,000	16,300	16,600	16,900	17,200	83,000
Fees & Charges	100,000	100,000	100,000	100,000	100,000	500,000
Funded Depreciation	-	-	-	-	-	-
Interest on Investments	-	-	-	-	-	-
Intergovernmental Revenue	-	-	-	-	-	-
Miscellaneous	15,000	15,000	15,000	15,000	15,000	75,000
Shared Concrete/Property Owners	-	-	-	-	-	-
Transfers In	26,000	26,000	26,000	26,000	26,000	130,000
Revenue Total	157,000	157,300	157,600	157,900	158,200	788,000

Other Expenditures & Funded Projects

Rank	Priority	Cont #							
			Debt Service	130,043	129,900	129,900	129,900	129,900	649,643
			Miscellaneous	-	-	-	-	-	-
			Rebate Program	-	-	-	-	-	-
			Transfers Out	-	-	-	-	-	-
Other Expenditures/Project Costs Total				130,043	129,900	129,900	129,900	129,900	12,899,103

Ending Balance	\$(1,096,120)	\$(1,068,720)	\$(1,041,020)	\$(1,013,020)	\$(984,720)
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Unfunded Projects

Rank	Priority	Cont #	Project Name						
1	Priority 3 - Important	309	Island Grove Marquees	195,000	-	-	-	-	195,000
2	Priority 1 - Imperative	311	Parking Improvements - Western Isla	-	1,214,000	-	-	-	1,214,000
3	Priority 1 - Imperative	312	Event Center Interior Street Improver	-	-	3,775,624	-	-	3,775,624
4	Priority 1 - Imperative	307	Indoor Arena and User Storage Build	-	-	-	3,252,500	-	3,252,500
5	Priority 3 - Important	308	Event Center Bleachers	-	-	-	-	464,000	464,000
Unfunded Projects Total				\$ 195,000	\$ 1,214,000	\$ 3,775,624	\$ 3,252,500	\$ 464,000	\$ 8,901,124

Unfunded Capital Improvement Projects 2012 - 2016

Island Grove Improvement Fund

Ctrl #	Project	Department	Rank	Description
309	Island Grove Marquees	Leisure Services	1	Purchase and installation of two marquees for advertising events in Island Grove
311	Parking Improvements - Western Island Grove Parking Lots		2	Lighting and landscaping of the western parking lots in Island Grove Park. Lights need to be added for patron safety for events like the Stampede. This includes the lots south and west of Centennial Village.
312	Event Center Interior Street Improvements		3	Improvements to interior Island Grove streets including purchasing the Duran property and extending A Street from 14th Avenue to 21st Avenue, 15th Avenue and 16th Avenue from A Street to C Street. Project includes sidewalks and Street lighting.
307	Indoor Arena and User Storage Building at IG		4	Construction of an indoor arena and multi-use facility replacing the Island Grove Livestock Building. Will have a minimum of 1,500 retractable seats, restrooms, small office, concession stands, animal wash, outdoor pens, and a dirt floor covering. Construction of a storage facility for Island Grove equipment. We have had discussions with other Departments within the City that would like to join in this project including Public Works and Water Departments.
308	Event Center Bleachers		5	Purchase 10 portable hydraulic, 280 seat bleachers to be used in Island Grove and for community events.



Road Development

	2012	2013	2014	2015	2016	Total
Beginning Balance	\$ 1,830,551	\$ 634,551	\$ 839,551	\$ 1,044,551	\$ 1,244,551	

Revenue

	Bonds/External Loans	-	-	-	-	-	-
	Development Fees	200,000	200,000	200,000	200,000	200,000	1,000,000
	Fees & Charges	-	-	-	-	-	-
	Funded Depreciation	-	-	-	-	-	-
	Interest on Investments	-	-	-	-	-	-
	Intergovernmental Revenue	-	-	-	-	-	-
	Miscellaneous	5,000	5,000	5,000	-	-	15,000
	Shared Concrete/Property Owners	-	-	-	-	-	-
	Transfers In	-	-	-	-	-	-
Revenue Total		205,000	205,000	205,000	200,000	200,000	1,015,000

Other Expenditures & Funded Projects

Rank	Priority	Cont #					
			Debt Service	-	-	-	-
			Miscellaneous	-	-	-	-
			Rebate Program	-	-	-	-
			Transfers Out	-	-	-	-
1	Priority 2 - Essential	336	11th Avenue, 2nd St to D St	42,000	-	-	42,000
2	Priority 2 - Essential (S)	410	65th Avenue South of US 34 Bypass	1,359,000	-	-	1,359,000
Other Expenditures/Project Costs Total				1,401,000	-	-	1,401,000

Ending Balance	\$ 634,551	\$ 839,551	\$ 1,044,551	\$ 1,244,551	\$ 1,444,551
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Unfunded Projects

1	Priority 2 - Essential (S)	336	11th Avenue, 2nd St to D St	2,539,200	-	-	-	2,539,200
2	Priority 2 - Essential (S)	410	65th Avenue South of US 34 Bypass	2,659,000	-	-	-	2,659,000
3	Priority 2 - Essential (S)	128	20th Street, 1st Ave to Balsam Ave	-	-	1,099,600	-	1,099,600
4	Priority 2 - Essential (S)	799	71st Ave, 12th St to 20th St	720,000	1,080,000	3,700,000	-	5,500,000
5	Priority 2 - Essential (S)	882	TD 35th Ave Widening, 4th St to "C" St	-	164,425	320,625	1,388,016	1,873,066
6	Priority 3 - Important (I)	127	20th Street, 71st to 83rd Avenues	-	-	410,100	3,085,550	932,230
7	Priority 2 - Essential (S)	793	23rd Ave, 4th to C St, Preliminary Des	150,500	-	-	-	150,500
8	Priority 2 - Essential (S)	883	59th Ave, 4th St to "F" St	-	-	173,709	74,125	1,439,051
9	Priority 3 - Important (I)	404	O Street/47th Avenue Realignment	-	-	549,500	1,670,500	2,220,000
10	Priority 2 - Essential (S)	406	4th Street, 23rd to 30th Ave	-	191,240	1,388,230	-	1,579,470
11	Priority 2 - Essential (S)	88	11th Ave/34 Bypass Improvements	-	-	-	433,000	343,400

Unfunded Projects Total	\$ 870,500	\$ 6,633,865	\$ 7,641,764	\$ 6,651,191	\$ 2,714,681	\$ 24,512,001
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Road Development

Project Name: # 336 11th Avenue, 2nd St to D St

Funding Source: Transportation Development Fees

Project Class: Road Development

Purpose: New/Enhancement -- Street

Location: 2 N of 10th St - W of HWY 85 - E of 35th Ave

Department: Public Works

Division: Engineering

Ward: 1 16 ST NORTH/ 35 AVE EAST

Impact Zone: Transportation - Zone 2

Priority: Priority 2 - Essential (Should Do)

Description:

Complete the improvements that have been designed for North 11th Avenue from 2nd St to D St. 2008 funding constructed the sidewalk, curb and gutter, lighting and landscaping along the west edge of the project to allow adjacent development to blend to the improvements. Future construction will complete the roadway including median improvements, landscaping, lighting, curb gutter and sidewalks along the east side, and the new roadway. \$42,000 in 2012 will be used to re-scope and modify the extent of the landscape/enhancement improvements, update the plans to reflect construction completed in 2008, and develop a phasing plan for project completion, in order to get it completed sooner, especially due to the poor road condition.

Justification:

This project was directed by City Council. The existing roadway is in poor condition, is not safe for pedestrians, and is considered an eye sore in the neighborhood. The design has some basic features identified with the Mercado concept for the area.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$2,039,100	\$-	\$-	\$-	\$2,039,100
Design	40,000	4,000	-	-	-	44,000
Professional Services	-	1,200	-	-	-	1,200
Project Management	2,000	59,400	-	-	-	61,400
Capital	-	-	-	-	-	-
Contingency	-	195,600	-	-	-	195,600
Operating	-	-	-	-	-	-
Miscellaneous	-	239,900	-	-	-	239,900
Total Cost	\$42,000	\$2,539,200	\$-	\$-	\$-	\$2,581,200

Road Development

Project Name: # 410 65th Avenue South of US 34 Bypass
Funding Source: Transportation Development Fees
Project Class: Road Development
Purpose: New/Enhancement -- Street
Location: 4 S of 10th St - E of 71st Ave - W of 35th Ave

Department: Public Works
Division: Engineering
Ward: Three-10 St South/23 Av West
Impact Zone: Transportation - Zone 3
Priority: Priority 2 - Essential (Should Do)

Description:

This project is for the design and construction of 65th Avenue from US 34 Bypass South to Greeley City Limits near 34th Street Rd. Preliminary Design is being done in 2011. 2012 plans include Final Design, Right of way acquisition, and Phase I improvements. Phase I improvements include replacing the existing bridge over the Greeley Loveland Canal with a major pipe system, as well as roadway widening between US 34 Bypass and 29th Street. These improvements will add through lanes and turn lanes to the US 34 signal approach and relieve the existing congestion problems. The 2012 Final Design will identify the needed roadway widening improvements needed south of 29th Street, as well as special intersection needs along the corridor. Greeley is coordinating with the City of Evans with respect to design of the corridor to 37th Street. Phase 2, to Greeley City Limits, could be constructed in 2013.

Justification:

This roadway is listed as a regional significant roadway in the 2035 Regional Transportation Plan and could be eligible for federal funding under the Congestion Mitigation category. Traffic Volumes continue to increase along the US 34 Bypass Corridor and the intersection of 65th Avenue at US 34Bypass is typical of the growth. With the improvements to 65th Avenue S/O 34 BP it could be expected to add another westbound left-turn lane to the bypass and doubling the capacity on the south leg of the intersection. CDOT is interested in rebuilding the traffic signal in the near future and needs the City to improve 65th Avenue in conjunction with their project.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$1,000,000	\$2,190,000	\$-	\$-	\$-	\$3,190,000
Design	325,000	-	-	-	-	325,000
Professional Services	15,000	1,000	-	-	-	16,000
Project Management	19,000	82,000	-	-	-	101,000
Capital	-	-	-	-	-	-
Contingency	-	300,000	-	-	-	300,000
Operating	-	5,000	-	-	-	5,000
Miscellaneous	-	46,000	-	-	-	46,000
Total Cost	\$1,359,000	\$2,659,000	\$-	\$-	\$-	\$4,018,000

Unfunded Capital Improvement Projects 2012 - 2016

Road Development

Ctrl #	Project	Department	Rank	Description
336	11th Avenue, 2nd St to D St	Public Works	1	Complete the improvements that have been designed for North 11th Avenue from 2nd St to D St. 2008 funding constructed the sidewalk, curb and gutter, lighting and landscaping along the west edge of the project to allow adjacent development to blend to the improvements. Future construction will complete the roadway including median improvements, landscaping, lighting, curb gutter and sidewalks along the east side, and the new roadway. \$42,000 in 2012 will be used to re-scope and modify the extent of the landscape/enhancement improvements, update the plans to reflect construction completed in 2008, and develop a phasing plan for project completion, in order to get it completed sooner, especially due to the poor road condition.
410	65th Avenue South of US 34 Bypass		2	This project is for the design and construction of 65th Avenue from US 34 Bypass South to Greeley City Limits near 34th Street Rd. Preliminary Design is being done in 2011. 2012 plans include Final Design, Right of way acquisition, and Phase I improvements. Phase I improvements include replacing the existing bridge over the Greeley Loveland Canal with a major pipe system, as well as roadway widening between US 34 Bypass and 29th Street. These improvements will add through lanes and turn lanes to the US 34 signal approach and relieve the existing congestion problems. The 2012 Final Design will identify the needed roadway widening improvements needed south of 29th Street, as well as special intersection needs along the corridor. Greeley is coordinating with the City of Evans with respect to design of the corridor to 37th Street. Phase 2, to Greeley City Limits, could be constructed in 2013.
128	20th Street, 1st Ave to Balsam Ave		3	Reconstruction of 20th St from 1st Avenue to Balsam Avenue (1/2 mile). This project was designed in 2006 and is ready to construct. This project widens the existing non-standard street to include curb, gutter and sidewalk facilities.
799	71st Ave, 12th St to 20th St		4	Widen and pave 71st Avenue between 12th and 20th Streets. The project includes street improvements per 2-lane minor arterial street standards. It includes replacement of the Sheep Draw bridge with a larger bridge to accommodate flood flows and allow the Sheep Draw trail to pass under the bridge. The project is phased in three years to allow final design and ROW acquisition the first year, the Sheep Draw bridge replacement the 2nd year, and final roadway construction the 3rd year.
882	TD 35th Ave Widening, 4th St to "C" St.		5	This project will widen 35th Avenue from 4th Street north to "C" Street. The existing roadway is a two lane rural paved road with some right turn lanes. No sidewalks or bike lanes currently exist. The new Arterial section will include on street bike lanes, curb gutter and sidewalks. The project may include medians, either landscaped or not.
127	20th Street, 71st to 83rd Avenues		6	Design, ROW acquisition and construction of 20th Street, a one mile minor arterial street, from 71st Avenue to 83rd Avenue. New Development Standards apply to this roadway. This project is proposed to be phased over three years, with Design/ROW the first year, basic roadway construction the second year, and final landscaping/lighting the third year.

Unfunded Capital Improvement Projects 2012 - 2016

Road Development

Ctrl #	Project	Department	Rank	Description
793	23rd Ave, 4th to C St, Preliminary Design	Public Works	7	23rd Avenue north of 4th Street is an arterial corridor but may not warrant the standard 4-lane arterial street design cross section. Pedestrian facilities are in need along this corridor, and the existing street is in poor condition. The area is lacking in storm water improvements, and needs to be analyzed.
883	59th Ave, 4th St to "F" St		8	Reconstruct and widen 59th Avenue, from 4th Street to "F" Street, to Arterial Street standards. This will be a four lane arterial with auxilliary turn lanes. The roadway improvements may include medians, either landscaped or not, and street lighting. On-street bike lanes are needed to allow access along the corridor to the Poudre Trail System.
404	O Street/47th Avenue Realignment		9	Acquire additional Right of Way, realign "O" Street to eliminate unsafe curves, and realign the intersection with 47th Avenue. This project can potentially create a new open space lake area for recreation purposes.
406	4th Street, 23rd to 30th Ave		10	Upgrade and reconstruct 4th Street from 23rd Ave to 30th Avenue (3,600 Feet). 4th Street was widened and constructed as a three lane section with on street bike lanes from 30th Avenue to 3th Avenue in the past few years. The section between 23rd Avenue and 26th Ave. Ct. lacks pedestrian facilities and curbs on both sides of the street. From 26th Ave. Ct. to 30th Ave., curbs and sidewalks are missing on the north side.
88	11th Ave/34 Bypass Improvements		11	Safety/Congestion improvements to NW Corner of intersection. Current right turn land lacks visibility, is too sharp, and is unsafe for pedestrians. Need to purchase one residential property to properly construct improvements.





Park Development

Beginning Balance
2012
2013
2014
2015
2016
Total
 \$ 1,146,441 \$ 986,941 \$ 1,157,441 \$ 1,327,941 \$ 1,498,441

Revenue

Bonds/External Loans	-	-	-	-	-	-
Development Fees	170,500	170,500	170,500	170,500	170,500	852,500
Fees & Charges	-	-	-	-	-	-
Funded Depreciation	-	-	-	-	-	-
Interest on Investments	-	-	-	-	-	-
Intergovernmental Revenue	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Shared Concrete/Property Owners	-	-	-	-	-	-
Transfers In	-	-	-	-	-	-
Revenue Total	170,500	170,500	170,500	170,500	170,500	852,500

Other Expenditures & Funded Projects

Rank	Priority	Cont #				
			Debt Service	-	-	-
			Miscellaneous	-	-	-
			Rebate Program	-	-	-
			Transfers Out	330,000	-	-
Other Expenditures/Project Costs Total				330,000	-	-

Ending Balance	\$ 986,941	\$ 1,157,441	\$ 1,327,941	\$ 1,498,441	\$ 1,668,941
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Unfunded Projects

Rank	Priority	Cont #	Project Name				
Unfunded Projects Total				\$ -	\$ -	\$ -	\$ -





Trails Development

Beginning Balance	2012	2013	2014	2015	2016	Total
	\$ 232,007	\$ 252,507	\$ 223,007	\$ 190,207	\$ 210,707	

Revenue

Bonds/External Loans	-	-	-	-	-	-
Development Fees	20,000	20,000	20,000	20,000	20,000	100,000
Funded Depreciation	-	-	-	-	-	-
Interest on Investments	500	500	500	500	500	2,500
Intergovernmental Revenue	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Shared Concrete/Property Owners	-	-	-	-	-	-
Transfers In	-	-	-	-	-	-
Revenue Total	20,500	20,500	20,500	20,500	20,500	102,500

Other Expenditures & Funded Projects

Rank	Priority	Cont #					
			Debt Service	-	-	-	-
			Miscellaneous	-	-	-	-
			Rebate Program	-	-	-	-
			Transfers Out	-	-	-	-
1	Priority 2 - Essential (\$)	800	Broadview Acres Trail Phase Two and	-	50,000	53,300	-
							103,300
Other Expenditures/Project Costs Total				-	50,000	53,300	-
							103,300

Ending Balance	\$ 252,507	\$ 223,007	\$ 190,207	\$ 210,707	\$ 231,207
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Unfunded Projects

Rank	Priority	Cont #	Project Name				
1	Priority 2 - Essential (\$)	800	Broadview Acres Trail Phase Two and	-	-	360,600	-
2	Priority 2 - Essential (\$)	533	Mountain Vista Through Phase one, e	-	-	189,999	-
Unfunded Projects Total				\$	-	\$ 550,599	\$

Parks Maintenance/Improvement

Project Name: # 800 Broadview Acres Trail Phase Two and Three **Department:** Public Works
Funding Source: Trail Development Fees **Division:** Parks
Project Class: Parks Maintenance/Improvement **Ward:** 4 10 ST NORTH/ 23 AVE WEST
Purpose: New/Enhancement -- Concrete **Impact Zone:** Not Applicable
Location: 2 N of 10th St - W of HWY 85 - E of 35th Ave **Priority:** Priority 2 - Essential (Should Do)

Description:

This project will encompass right of way acquisition, design and construction for phases II and III of the Broadview Acres Trail. Phase Two is approximately 0.2 miles and will connect the trail from 4th Street to Madison Elementary along the west side of the No.3 ditch. Phase three is 0.6miles and will connect from 35th Avenue at the Fire Station No.3 west along the north side of the No.3 to the existing Larson Ditch Trail.

Justification:

This project will serve as a continuation of Broadview Acres Trail on both the east and west ends to provide connectivity to the Larson Trail. Phase II serves to provide safe access not only to Madison Elementary but also Ramseier Farm Park from 4th Street. Currently the residences on 4th Street do not have walking access to this recently built neighborhood park. The continuation to the west will provide the final connection to the Larson Ditch Trail and provide 2.2 consecutive miles of inner city trail access. Connection to the Poudre Trail will still need to be done with a futrue phase of the Larson Trail north of "F" Street. Due to limited funding availability in the Trail Development Fund this project will need grant funding in order to be completed in 2015.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$46,500	\$-	\$340,000	\$-	\$386,500
Design	-	-	50,000	-	-	50,000
Professional Services	-	3,500	3,300	5,600	-	12,400
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	15,000	-	15,000
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$-	\$50,000	\$53,300	\$360,600	\$-	\$463,900

Unfunded Capital Improvement Projects 2012 - 2016

Trails Development

Ctrl #	Project	Department	Rank	Description
800	Broadview Acres Trail Phase Two and Three	Public Works	1	This project will encompass right of way acquisition, design and construction for phases II and III of the Broadview Acres Trail. Phase Two is approximately 0.2 miles and will connect the trail from 4th Street to Madison Elementary along the west side of the No.3 ditch. Phase three is 0.6miles and will connect from 35th Avenue at the Fire Station No.3 west along the north side of the No.3 to the existing Larson Ditch Trail.
533	Mountain Vista Through Phase one, east		2	Construction of approximately 1,473 In. ft. of a Sheep Draw Trail Spur. This section connects to the section of a Sheep Draw Trail Spur described by Control Number 532 on the North, and proceeds South following the natural drainage channel through the Mountain Vista Phase One Open Space and connecting to the future sidewalk which will be constructed as part of the widening of 20th Street, about halfway between 74th Avenue and 76th Avenue. See Trails Master Plan; map #7.





Quality of Life

	2012	2013	2014	2015	2016	Total
Beginning Balance	\$ 1,388,914	\$ 1,820,658	\$ 2,549,811	\$ 3,722,311	\$ 3,999,442	

Revenue

	Bonds/External Loans	-	-	-	-	-	-
	Development Fees	-	-	-	-	-	-
	Fees & Charges	-	-	-	-	-	-
	Funded Depreciation	-	-	-	-	-	-
	Interest on Investments	12,000	10,000	10,000	10,000	10,000	52,000
	Intergovernmental Revenue	-	-	-	-	-	-
	Miscellaneous	-	-	-	-	-	-
	Shared Concrete/Property Owners	-	-	-	-	-	-
	Transfers in	1,497,338	1,170,000	1,170,000	1,170,000	1,170,000	6,177,338
Revenue Total		1,509,338	1,180,000	1,180,000	1,180,000	1,180,000	6,229,338

Other Expenditures & Funded Projects

Rank	Priority	Cont #							
			Debt Service	-	-	-	-	-	
			Miscellaneous	-	-	-	-	-	
			Rebate Program	-	-	-	-	-	
			Transfers Out	366,866	370,000	350,000	350,000	350,000	
			Depreciation Expense	-	-	-	-	-	
1	Priority 2 - Essential	255	Homestead Park	674,552	-	-	-	674,552	
2	Priority 3 - Important	521	Sheep Draw Trail 71st Avenue West	26,242	174,947	-	-	201,189	
3	Priority 2 - Essential	874	Intersection Safety Project 17th Ave	228,000	-	-	-	228,000	
4	Priority 3 - Important	749	Poudre Trail Head Improvements	35,000	35,000	-	-	70,000	
5	Priority 3 - Important	878	Way Finding Signage System in Univ	25,000	-	-	-	25,000	
6	Priority 2 - Essential	875	Entryway & Boulevard Treatments -	-	45,000	-	-	45,000	
7	Priority 2 - Essential	871	New Park Appraisals	7,500	-	7,500	-	15,000	
8	Priority 3 - Important	876	Sunrise Park Entryway Feature	-	32,800	-	-	32,800	
9	Priority 3 - Important	801	Northridge Estates Neighborhood P	-	-	-	51,689	51,689	
10	Priority 3 - Important	113	Youth Sports Complex	-	-	-	118,000	118,000	
11	Priority 3 - Important	873	Neighborhood Park Property Purcha	-	-	872,200	-	872,200	
12	Priority 3 - Important	877	Sunrise Park Parking Lot	81,300	163,100	-	-	244,400	
13	Priority 3 - Important	523	Sheep Draw Trail Triple Creek Area	-	-	30,669	276,062	306,731	
Other Expenditures/Project Costs Total				1,077,594	450,847	7,500	902,869	445,751	2,884,561

Ending Balance	\$ 1,820,658	\$ 2,549,811	\$ 3,722,311	\$ 3,999,442	\$ 4,733,691
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Unfunded Projects

Rank	Priority	Cont #	Project Name					
Unfunded Projects Total				\$ -	\$ -	\$ -	\$ -	\$ -

Parks Maintenance/Improvement

Project Name: # 255 Homestead Park	Department: Public Works
Funding Source: Quality of Life	Division: Parks
Project Class: Parks Maintenance/Improvement	Ward: 3 10 ST SOUTH/ 23 AVE WEST
Purpose: New/Enhancement -- Park	Impact Zone: Community Park
Location: 4 S of 10th St - E of 71st Ave - W of 35th Ave	Priority: Priority 2 - Essential (Should Do)

Description:

Complete design and construction of an existing park at 2990 29th Street. Additions will include minimal irrigation, soil prep, seeding, additional paths, playground and shelter amenities.

Justification:

The adjoining 20 acres of open space is currently developed in soft surface trails that encircle Elk Lakes. A parking area was installed in 2009. Completion of a natural playground and outdoor classroom will supply the community south of Hwy 34 with much needed recreational access. Currently all other park amenities are located north across a major highway and require vehicular transportation to access. This community is nearing build out and is need of park space.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$604,652	\$-	\$-	\$-	\$-	\$604,652
Design	5,000	-	-	-	-	5,000
Professional Services	700	-	-	-	-	700
Project Management	6,000	-	-	-	-	6,000
Capital	-	-	-	-	-	-
Contingency	40,000	-	-	-	-	40,000
Operating	5,000	-	-	-	-	5,000
Miscellaneous	13,200	-	-	-	-	13,200
Total Cost	\$674,552	\$-	\$-	\$-	\$-	\$674,552

Parks/Recreation

Project Name: # 521 Sheep Draw Trail 71st Avenue West
Funding Source: Quality of Life
Project Class: Parks/Recreation
Purpose: New/Enhancement -- Other
Location: 7 S of 10th St - W of 71st Ave

Department: Public Works
Division: Parks
Ward: 3 10 ST SOUTH/ 23 AVE WEST
Impact Zone: neighborhood Park West Zone
Priority: Priority 3 - Important (Could Do)

Description:

Construction of approximately 825 in. ft. of the Sheep Draw Trail, including a pedestrian bridge. This section starts on the Westside of 71st Avenue at the Sheep Draw channel and proceeds West, to the East property line of the City of Greeley Triple Creek Open Space approximately paralleling the Sheep Draw channel. Easement alignment negotiations are currently*(2011) under way.

Justification:

In fulfillment of the goal/objectives of the Parks Trails Master Plan.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$3,000	\$149,803	\$-	\$-	\$-	\$152,803
Design	17,742	-	-	-	-	17,742
Professional Services	250	750	-	-	-	1,000
Project Management	2,500	3,500	-	-	-	6,000
Capital	-	-	-	-	-	-
Contingency	-	16,144	-	-	-	16,144
Operating	-	-	-	-	-	-
Miscellaneous	2,750	4,750	-	-	-	7,500
Total Cost	\$26,242	\$174,947	\$-	\$-	\$-	\$201,189

Road Development

Project Name: # 874 Intersection Safety Project 17th Ave & Glenmere Blvd	Department: Community Development
Funding Source: Quality of Life	Division: Planning
Project Class: Road Development	Ward: 2 16 ST SOUTH/ 23 AVE EAST
Purpose: New/Enhancement -- Street	Impact Zone: Not Applicable
Location: 3 S of 10th St - W of HWY 85 - E of 35th Ave	Priority: Priority 2 - Essential (Should Do)

Description:

Reconstruct the intersection of 17th Avenue & Glenmere Blvd as a conventional 4-way stop residential intersection with ADA compliant access ramps at each corner. The intersection currently has yielding right turn lanes with islands. The roadway sections of the approaching streets are narrower than typical residential streets.

Justification:

The current configuration of the intersection, with yielding right turn lanes and islands, is a safety concern for pedestrians accessing Glenmere Park. Turning/yielding traffic sometimes don't check for pedestrians and since there are no sidewalks in the area except for the park, there are no safe locations for pedestrians to pause while deferring to traffic movements.. The intersection would be made smaller and more conventional, with 4-way stop signs and smaller radius corners with conventional access ramps, configured to work with future sidewalks along the approaching streets.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$180,000	\$-	\$-	\$-	\$-	\$180,000
Design	20,000	-	-	-	-	20,000
Professional Services	500	-	-	-	-	500
Project Management	10,000	-	-	-	-	10,000
Capital	-	-	-	-	-	-
Contingency	15,000	-	-	-	-	15,000
Operating	-	-	-	-	-	-
Miscellaneous	2,500	-	-	-	-	2,500
Total Cost	\$228,000	\$-	\$-	\$-	\$-	\$228,000

Parks/Recreation

Project Name: # 749 Poudre Trail Head Improvements
Funding Source: Quality of Life
Project Class: Parks/Recreation
Purpose: New/Enhancement -- Park
Location: 8 Outside City

Department: Public Works
Division: Parks
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 3 - Important (Could Do)

Description:

This project will provide 2 additional trail heads for the Poudre River Trail.

Justification:

Mining at the F street location will eliminate a highly used trail access point. Negotiations on other locations have not been successful. The second site is yet to be identified.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$21,400	\$21,400	\$-	\$-	\$-	\$42,800
Design	5,000	5,000	-	-	-	10,000
Professional Services	400	400	-	-	-	800
Project Management	1,500	1,500	-	-	-	3,000
Capital	-	-	-	-	-	-
Contingency	5,000	5,000	-	-	-	10,000
Operating	-	-	-	-	-	-
Miscellaneous	1,700	1,700	-	-	-	3,400
Total Cost	\$35,000	\$35,000	\$-	\$-	\$-	\$70,000

Infrastructure Maintenance

Project Name: # 878 Way Finding Signage System in University District - Develop/Design **Department:** Community Development
Funding Source: Quality of Life **Division:** Planning
Project Class: Infrastructure Maintenance **Ward:** 2 16 ST SOUTH/ 23 AVE EAST
Purpose: New/Enhancement -- Other **Impact Zone:** Not Applicable
Location: 3 S of 10th St - W of HWY 85 - E of 35th Ave **Priority:** Priority 3 - Important (Could Do)

Description:

Develop and design a Way-Finding Signage System for the University District. Key destinations include Glenmere, Farr, and Centennial Parks, Nottingham Field, Butler-Hancock Gym, Jackson Field, Garden Theatre, Little Theatre of the Rockies, Downtown, Centennial Library, Butch Butler Field, NCMC, and various offices and facilities.

Justification:

Thousands of new community visitors and guests arrive in this area annually in the form of students, faculty, parents, convention attendees and visitors. An integrated and distinctive way-finding signage system in the University District will better direct visitors, while adding a sense of connectivity and vibrancy. The University and other destinations may be willing to partner in sharing the design and implementation of the project.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	22,000	-	-	-	-	22,000
Professional Services	250	-	-	-	-	250
Project Management	2,500	-	-	-	-	2,500
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	250	-	-	-	-	250
Total Cost	\$25,000	\$-	\$-	\$-	\$-	\$25,000

Infrastructure Maintenance

Project Name: # 875 Entryway & Bouevard Treatments - Development & Design	Department: Community Development
Funding Source: Quality of Life	Division: Planning
Project Class: Infrastructure Maintenance	Ward: 1 16 ST NORTH/ 35 AVE EAST
Purpose: New/Enhancement -- Other	Impact Zone: Not Applicable
Location: 3 S of 10th St - W of HWY 85 - E of 35th Ave	Priority: Priority 2 - Essential (Should Do)

Description:

Implement a design study to consider alternatives to provide connectivity between University destinations, as well as enhance the entryway/connectivity between the University and Downtown along 8th Avenue from 16th Street to downtown Greeley. Improvements may include expanded sidewalks, special travel corridors, street lighting, street furniture or other such urban design features.

Justification:

As part of the University District Initiative, two areas of design have been identified as impediments to redevelopment and attraction of reinvestment to this area. The location of remote University destinations such as Jackson Field and the Family Student Houseing Complex creates a disconnect from the main campus area and sense of uncertainty and concern for safety for pedestrians trying to reach these locations. Along the 8th Avenue corridor, the development of land uses has resulted in little cohesion of businesses or appeal to pedestrians, visitors or travelers.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	-	42,000	-	-	-	42,000
Professional Services	-	500	-	-	-	500
Project Management	-	2,000	-	-	-	2,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	500	-	-	-	500
Total Cost	\$-	\$45,000	\$-	\$-	\$-	\$45,000

Parks/Recreation

Project Name: # 871 New Park Appraisals
Funding Source: Quality of Life
Project Class: Parks/Recreation
Purpose: New/Enhancement -- Park
Location: 0 City Wide

Department: Parks
Division: Public Works
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

Dedication of funding to allow for assesment and appraisal of potential park properties as the opportunities present themselves. A particular site has not been identified at this time. Funding will allow for immediate response as opportunities arise that may be feasible for future park development.

Justification:

Funding needs to be in place to allow the parks division to respond to opportunities as they arise in this market that is favorable to land acquisition.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	-	-	-	-	-	-
Professional Services	4,100	-	4,100	-	-	8,200
Project Management	700	-	700	-	-	1,400
Capital	-	-	-	-	-	-
Contingency	600	-	600	-	-	1,200
Operating	-	-	-	-	-	-
Miscellaneous	2,100	-	2,100	-	-	4,200
Total Cost	\$7,500	\$-	\$7,500	\$-	\$-	\$15,000

Infrastructure Maintenance

Project Name: # 876 Sunrise Park Entryway Feature	Department: Community Development
Funding Source: Quality of Life	Division: Planning
Project Class: Infrastructure Maintenance	Ward: 1 16 ST NORTH/ 35 AVE EAST
Purpose: New/Enhancement -- Other	Impact Zone: Not Applicable
Location: 3 S of 10th St - W of HWY 85 - E of 35th Ave	Priority: Priority 3 - Important (Could Do)

Description:

Design and construct an entryway archway feature to be installed across 10th Street near the Union Pacific railroad crossing. This modest entryway feature will complement the new curb, gutter and sidewalk along 10th Street and in the Sunrise neighborhood. The archway will be patterned after the one at the Depot shade structure, and will be similar to those found at Centennial Village and Island Grove Park to announce destinations.

Justification:

The goal of the Sunrise Park Archway is to help identify and direct pedestrians to the 10th Street UPRR crosswalk improvement, while connecting Sunrise Neighborhood to the Downtown improvements in the area. There is little architectural, landscape or other street features to connect the Downtown and Sunrise Neighborhood.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$25,000	\$-	\$-	\$-	\$25,000
Design	-	4,000	-	-	-	4,000
Professional Services	-	500	-	-	-	500
Project Management	-	3,000	-	-	-	3,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	300	-	-	-	300
Total Cost	\$-	\$32,800	\$-	\$-	\$-	\$32,800

Parks/Recreation

Project Name: # 801 Northridge Estates Neighborhood Park and Trailhead **Department:** Public Works
Funding Source: Quality of Life **Division:** Parks
Project Class: Parks/Recreation **Ward:** 4 10 ST NORTH/ 23 AVE WEST
Purpose: New/Enhancement -- Concrete **Impact Zone:** Stormwater - Sheepdraw
Location: 2 N of 10th St - W of HWY 85 - E of 35th Ave **Priority:** Priority 3 - Important (Could Do)

Description:

Development of approximately six acre neighborhood park to include, shelter, playground, native and non native grass, landscaping, electrical, portable restroom facilities,. Trailhead parking to be installed concurrent with park development.

Justification:

New park access will provide much needed recreational opportunities to a neighborhood that is currently underserved.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	-	-	-	-	43,451	43,451
Professional Services	-	-	-	-	300	300
Project Management	-	-	-	-	3,000	3,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	4,300	4,300
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	100	638
Total Cost	\$-	\$-	\$-	\$-	\$51,689	\$51,689

Parks Maintenance/Improvement

Project Name: # 113 Youth Sports Complex	Department: Public Works
Funding Source: Quality of Life	Division: Parks
Project Class: Parks Maintenance/Improvement	Ward: Ward III
Purpose: New/Enhancement -- Park	Impact Zone: Community Park
Location: 4 S of 10th St - E of 71st Ave - W of 35th Ave	Priority: Priority 3 - Important (Could Do)

Description:

This project will provide parking improvements, ball field expansion, and safety lighting. Project is anticipated for design in 2016 with construction in following years.

Justification:

The Youth Sports Complex is only 60% complete according to the master plan. Due to increased population demands and a shortage of ball field facilities, it is necessary to complete this site. Funding will convert the practice fields on the north end of the site to game fields with irrigation, turf, infield improvements and dugouts. Development of these fields will fill a gap in the youth(8-12yr) facility needs. This site is currently under construction by volunteer and community service groups to provide a bicycle skills course for Greeley residents. This activity will place an increased demand on parking and park amenities. In order for this park to continue to be a premier ball facility and reach its goals of attracting Triple Crown play, improvements will need to be made.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$1,500	\$1,500
Design	-	-	-	-	100,400	100,400
Professional Services	-	-	-	-	800	800
Project Management	-	-	-	-	2,500	2,500
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	9,500	9,500
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	3,300	3,300
Total Cost	\$-	\$-	\$-	\$-	\$118,000	\$118,000

Parks/Recreation

Project Name: # 873 Neighborhood Park Property Purchase	Department: Public Works
Funding Source: Quality of Life	Division: Parks
Project Class: Parks/Recreation	Ward: 0 MULTIPLE WARDS
Purpose: New/Enhancement -- Park	Impact Zone: Not Applicable
Location: 0 City Wide	Priority: Priority 3 - Important (Could Do)

Description:

This project will allow for the purchase of approximately 10 acres for development of a future neighborhood park.

Justification:

It is anticipated that an opportunity to purchase park land will avail itself over the course of the next five years. In anticipation of increased revenue and population growth, purchase of land will allow for future park development in compliance with the Parks and Trails Masterplan.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$859,000	\$-	\$859,000
Design	-	-	-	-	-	-
Professional Services	-	-	-	6,600	-	6,600
Project Management	-	-	-	3,600	-	3,600
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	3,000	-	3,000
Total Cost	\$-	\$-	\$-	\$872,200	\$-	\$872,200

Infrastructure Maintenance

Project Name: # 877 Sunrise Park Parking Lot

Department: Community Development

Funding Source: Quality of Life

Division: Planning

Project Class: Infrastructure Maintenance

Ward: 1 16 ST NORTH/ 35 AVE EAST

Purpose: New/Enhancement -- Other

Impact Zone: Not Applicable

Location: 3 S of 10th St - W of HWY 85 - E of 35th Ave

Priority: Priority 3 - Important (Could Do)

Description:

Purchase the vacant dirt lot at 606 10th Street, and construct a new parking lot facility with paved parking and storm water detention features. Includes curbing around the lot, entrances, pavement and striping. This project anticipates the purchase of the land the first year and design/construction of the facility the 2nd year.

Justification:

This project would help enhance the entryway corridor between Downtown Greeley and the Sunrise neighborhood, as well as providing additional parking for the Farmer's Market, Depot and the downtown museums.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$70,000	\$133,000	\$-	\$-	\$-	\$203,000
Design	-	5,000	-	-	-	5,000
Professional Services	500	500	-	-	-	1,000
Project Management	3,000	6,000	-	-	-	9,000
Capital	-	-	-	-	-	-
Contingency	5,000	10,000	-	-	-	15,000
Operating	-	-	-	-	-	-
Miscellaneous	2,800	8,600	-	-	-	11,400
Total Cost	\$81,300	\$163,100	\$-	\$-	\$-	\$244,400

Parks/Recreation

Project Name: # 523 Sheep Draw Trail Triple Creek Area	Department: Public Works
Funding Source: Quality of Life	Division: Parks
Project Class: Parks/Recreation	Ward: 3 10 ST SOUTH/ 23 AVE WEST
Purpose: New/Enhancement -- Other	Impact Zone: Not Applicable
Location: 7 S of 10th St - W of 71st Ave	Priority: Priority 3 - Important (Could Do)

Description:

Construction of approximately 1,475 ln. ft. of a Sheep Draw Trail, including a pedestrian bridge. This section connect to the section described by Control Number 521 on the East, at the East property line of the City of Greeley Triple Creek Open Space, and transverses the Open Space approximately paralleling the Sheep Draw channel connecting to the section described by Control Number 517. See Trails Master Plan; map #5.

Justification:

Connect two disjoined sections of the trail per the parks and trails master plan.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$2,500	\$231,136	\$233,636
Design	-	-	-	19,119	-	19,119
Professional Services	-	-	-	650	6,800	7,450
Project Management	-	-	-	2,500	4,500	7,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	2,600	24,826	27,426
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	3,300	8,800	12,100
Total Cost	\$-	\$-	\$-	\$30,669	\$276,062	\$306,731



Sewer Construction

	2012	2013	2014	2015	2016	Total
Beginning Balance	\$ 2,663,838	\$ 3,581,840	\$ 7,968,922	\$ 25,248	\$ 495,004	

Revenue

Bonds/External Loans	-	5,000,000	-	9,000,000	-	14,000,000
Development Fees	-	-	-	-	-	-
Fees & Charges	1,044,560	1,725,490	2,384,823	2,868,849	3,066,820	11,090,542
Funded Depreciation	-	-	-	-	-	-
Interest on Investments	-	-	-	-	-	-
Intergovernmental Revenue	-	-	-	-	-	-
Miscellaneous	99,854	122,987	102,521	64,700	63,079	453,141
Shared Concrete/Property Owners	-	-	-	-	-	-
Transfers In	373,997	644,505	773,205	889,986	1,123,396	3,805,089
Revenue Total	1,518,411	7,492,982	3,260,549	12,823,535	4,253,295	29,348,772

Other Expenditures & Funded Projects

Rank	Priority	Cont #							
			Debt Service	-	271,541	401,213	889,986	1,123,396	2,686,136
			Miscellaneous	-	-	-	-	-	-
			Rebate Program	-	-	-	-	-	-
			Transfers Out	414,409	413,376	413,616	42,873	44,159	1,328,433
1	Priority 2 - Esse	179	Lift Station Upgrades and Expansion	75,000	262,500	275,625	289,406	303,877	1,206,408
2	Priority 2 - Esse	184	Additional Sanitary Sewer Manholes	26,000	27,300	28,665	30,098	31,603	143,666
3	Priority 2 - Esse	234	Sewer Taps	10,000	10,500	11,025	11,576	12,155	55,256
4	Priority 2 - Esse	344	WPCF Second Dewatering Centrifuge	-	1,101,270	-	-	-	1,101,270
5	Priority 2 - Esse	781	Phase II Alternate 6B Plant Upgrade	-	641,815	-	6,041,437	1,939,705	8,622,957
6	Priority 3 - Imp	343	Digester Gas Mixing System	-	298,848	-	-	-	298,848
7	Priority 2 - Esse	244	Additional Sludge Hopper	-	-	518,680	-	-	518,680
8	Priority 2 - Esse	345	Dewatering Sludge Cake Pump	-	-	299,288	-	-	299,288
9	Priority 2 - Esse	818	Expansion Project for Phosphorus Removal	-	-	5,574,863	-	-	5,574,863
10	Priority 2 - Esse	886	Security Projects	25,000	26,250	27,563	28,941	30,388	138,142
11	Priority 2 - Esse	177	Odor & Process Control	50,000	52,500	55,125	57,881	60,775	276,281
12	Priority 2 - Esse	348	North Greeley Sewer Phase II	-	-	3,598,560	4,556,412	-	8,154,972
13	Priority 2 - Esse	119	SEWER LINE OVERSIZING AND EXTENSION	-	-	-	405,169	425,427	830,596
Other Expenditures/Project Costs Total				600,409	3,105,900	11,204,223	12,353,779	3,971,485	31,235,796

Ending Balance	\$ 3,581,840	\$ 7,968,922	\$ 25,248	\$ 495,004	\$ 776,814
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Unfunded Projects

Rank	Priority	Cont #	Project Name					
Unfunded Projects Total				\$ -	\$ -	\$ -	\$ -	\$ -

Sewer Construction Treatment

Project Name: # 179 Lift Station Upgrades and Expansion
Funding Source: Sewer Plant Investment Fees
Project Class: Sewer Construction Treatment
Purpose: New/Enhancement -- Other
Location: 0 City Wide

Department: Water & Sewer
Division: Wastewater Collection
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

This is an ongoing program to implement improvements to meet current standards and maintain pumping capacity appropriate for development that has or will occur in the drainage basin.

Justification:

Existing lift stations have been in service for various numbers of years. Some need refurbishment, others replacement, and some require additional capacity in response to growth in the drainage area. Some lift stations were designed and approved by the State under old standards. Current design standards require redundant pumping capacity and redundant power sources. The new standards are applied whenever an existing lift station is enlarged or significantly modified. Supervisory control and data acquisition (SCADA) capabilities may also be added or improved to increase our ability to monitor functions at the lift stations.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$64,300	\$172,500	\$185,625	\$199,406	\$213,877	\$835,708
Design	5,000	25,000	25,000	25,000	25,000	105,000
Professional Services	-	2,000	2,000	2,000	2,000	8,000
Project Management	3,000	15,000	15,000	15,000	15,000	63,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	2,700	48,000	45,500	45,500	45,500	194,700
Total Cost	\$75,000	\$262,500	\$275,625	\$289,406	\$303,877	\$1,206,408

Sewer Construction Treatment

Project Name: # 184 Additional Sanitary Sewer Manholes
Funding Source: Sewer Plant Investment Fees
Project Class: Sewer Construction Treatment
Purpose: New/Enhancement -- Other
Location: 0 City Wide

Department: Water & Sewer
Division: Wastewater Collection
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

Construct new manholes as necessary for safe and efficient access to the sanitary sewer system.

Justification:

As existing sewer lines are televised, the need for constructing new manholes is discovered, e.g. cul de sacs with no manholes, lines intersecting other lines with no manholes, other sites where access is required.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$24,000	\$25,300	\$26,665	\$28,098	\$29,603	\$133,666
Design	1,000	1,000	1,000	1,000	1,000	5,000
Professional Services	-	-	-	-	-	-
Project Management	740	740	740	740	740	3,700
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	260	260	-	-	-	1,300
Total Cost	\$26,000	\$27,300	\$28,665	\$30,098	\$31,603	\$143,666

Sewer Construction Collection

Project Name: # 234 Sewer Taps
Funding Source: Sewer Plant Investment Fees
Project Class: Sewer Construction Collection
Purpose: New/Enhancement -- Other
Location: 0 City Wide

Department: Water&Sewer
Division: Wastewater Collection
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

Sewer taps made on existing mains, this project works with new home sales whereby sewer taps need to be installed on exiting sewer mains.

Justification:

Water & Sewer Dept. specifications require City personnel to make new taps on existing collections lines.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$10,000	\$10,500	\$11,025	\$11,576	\$12,155	\$55,256
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$10,000	\$10,500	\$11,025	\$11,576	\$12,155	\$55,256

Sewer Replacement Treatment

Project Name: # 344 WPCF Second Dewatering Centrifuge	Department: Water & Sewer
Funding Source: Sewer Plant Investment Fees	Division: Wastewater Treatment
Project Class: Sewer Replacement Treatment	Ward: 1 16 ST NORTH/ 35 AVE EAST
Purpose: New/Enhancement -- Other	Impact Zone: Not Applicable
Location: 1 East of US 85 Bypass	Priority: Priority 2 - Essential (Should Do)

Description:

This project adds a second dewatering centrifuge (or other comparable dewatering equipment) to the upper level of the South Plant's Dewatering Building located at the Water Pollution Control Facility.

Justification:

A second dewatering centrifuge (or other comparable dewatering equipment) is needed to handle increasing sludge flows and to serve as a backup to the aging centrifuge that was installed in 1994. The downtime for this centrifuge has increased considerably in the past couple of years and having a backup unit will ensure that solids are being processed or treated with minimal delays and that sludge storage tanks do not exceed their maximum capacities. Continuous sludge processing is necessary and interruptions to this process could impose severe plant operational problems. It is uncertain at this time if the backup equipment will be a new centrifuge unit or some other kind of dewatering equipment such as a rotary press. The 2011 solids handling and treatment master plan project will more clearly identify the preferred and recommended dewatering equipment. The new equipment must be test proven, energy efficient, and include features that make operation easier and results in lower maintenance costs.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$101,500	\$-	\$-	\$-	\$101,500
Design	-	65,000	-	-	-	65,000
Professional Services	-	200	-	-	-	200
Project Management	-	25,000	-	-	-	25,000
Capital	-	801,921	-	-	-	801,921
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	107,649	-	-	-	107,649
Total Cost	\$-	\$1,101,270	\$-	\$-	\$-	\$1,101,270

Sewer Construction Collection

Project Name: # 781 Phase II Alternate 6B Plant Upgrade	Department: Water & Sewer
Funding Source: Sewer Plant Investment Fees	Division: Wastewater Treatment
Project Class: Sewer Construction Collection	Ward: 1 16 ST NORTH/ 35 AVE EAST
Purpose: New/Enhancement -- Other	Impact Zone: Not Applicable
Location: 1 East of US 85 Bypass	Priority: Priority 2 - Essential (Should Do)

Description:

Phase II is a continuation of the 2009-2011 Phase I Water Pollution Control Facility (WPCF) Aeration Improvements Project which addressed only the increase in aeration capacity required for complete nitrification. A 2013 design study would evaluate proposed or adopted state nutrients standards, determine potential discharge limits for the WPCF, review and recommend alternative treatment technologies (or options such as effluent-based trading) for the WPCF, and develop design and specification documents for bidding. In 2015-16, Phase II of Alternative 6B would commence and include the addition of baffle walls, instream mixed liquor recycle (IMLR) pumping, and mixing equipment for de-nitrification. Alternative 6B provides additional ammonia removal capability (down to approximately 2 milligrams per liter (mg/L)) as well as the capability to achieve additional total nitrogen removal. This alternative utilizes only the existing aeration basins as biological reactors and therefore does not require construction of new basins. This would be addressed in the 2014-2015 phosphorus removal project. The treatment process would be modified by including the instream mixed liquor recycle (IMLR) at two different locations and creating various aeration (with oxygen) and anoxic (no oxygen) zones using baffles. The process sequence includes anoxic zones followed by aerobic zones to enable biological nitrogen removal. It involves 50% of the return activated sludge (RAS) and the centrate generated in the biosolids dewatering process together in a "re-aeration" reactor that includes anoxic and aerobic zones to achieve nitrification and de-nitrification. The RAS and centrate flows (from dewatering centrifuge process) emerging from this reactor are combined with primary clarifier effluent prior to entering the main process sequence. With this configuration, the total capacity of the existing plant could increase slightly and the plant could achieve the anticipated effluent ammonia limits as well as a reduction in effluent total inorganic nitrogen (TIN) concentration. TIN removal allows for the recovery of some alkalinity and oxygen required to accomplish nitrification. The recovery of these two constituents serves to reduce the amount of oxygen supplied to the system and to minimize the amount of supplemental alkalinity that will likely need to be added. The Colorado Water Quality Control Commission rule-making hearing on nutrients was postponed until March 2012.

Justification:

The 2013 comprehensive design study is necessary to fully evaluate proposed or adopted state nutrients standards, determine potential impacts to the treatment plant and what available treatment technologies may be necessary to meet stringent limits for total inorganic nitrogen and total phosphorus. It would include design and specification documents ready for bidding. A 2015-16 Phase II construction project would subsequently enable the plant to meet anticipated total inorganic nitrogen limits.

Impact on Budget:

None

Project Cost Summary

Sewer Construction Collection

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$5,776,121	\$1,840,500	\$7,616,621
Design	-	630,260	-	-	-	630,260
Professional Services	-	200	-	20,200	-	20,400
Project Management	-	5,000	-	160,000	80,000	245,000
Capital	-	-	-	15,000	-	15,000
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	6,355	-	10,300	-	95,676
Total Cost	\$-	\$641,815	\$-	\$6,041,437	\$1,939,705	\$8,622,957

Sewer Replacement Treatment

Project Name: # 343 Digester Gas Mixing System
Funding Source: Sewer Plant Investment Fees
Project Class: Sewer Replacement Treatment
Purpose: New/Enhancement -- Other
Location: 1 East of US 85 Bypass

Department: Water & Sewer
Division: Wastewater Treatment
Ward: 1 16 ST NORTH/ 35 AVE EAST
Impact Zone: Not Applicable
Priority: Priority 3 - Important (Could Do)

Description:

Install a new gas mixing system for the primary anaerobic digesters.

Justification:

The old Primary Digester Pearth Gas Mixing System was removed several years ago because of severe deterioration and functional failure. Subsequent to this removal, the plant maintenance staff increased the pumping rate on the gas recirculation pumps. This was designed to serve only as an interim measure until a more complex digester system came to fruition. A new gas mixing system will ensure a more adequate mixing of the digester contents and improve performance and reliability.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$215,430	\$-	\$-	\$-	\$215,430
Design	-	40,000	-	-	-	40,000
Professional Services	-	300	-	-	-	300
Project Management	-	35,000	-	-	-	35,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	8,118	-	-	-	8,118
Total Cost	\$-	\$298,848	\$-	\$-	\$-	\$298,848

Sewer Construction Treatment

Project Name: # 244 Additional Sludge Hopper
Funding Source: Sewer Plant Investment Fees
Project Class: Sewer Construction Treatment
Purpose: New/Enhancement -- Other
Location: 1 East of US 85 Bypass

Department: Water & Sewer
Division: Wastewater Treatment
Ward: 1 16 ST NORTH/ 35 AVE EAST
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

This project involves the purchase of a second sludge hopper unit with a capacity of 50 cubic feet to be located in the sludge Dewatering Building at the Water Pollution Control Facility (WPCF).

Justification:

Sludge production continues to increase and a second dewatering centrifuge (or comparable dewatering equipment) is proposed as a separate project. The second sludge cake storage hopper unit is needed for the temporary storage of additional treated solids that are waiting to be hauled away for ultimate disposal. This project will improve the operational flexibility of the plant.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$438,447	\$-	\$-	\$438,447
Design	-	-	40,000	-	-	40,000
Professional Services	-	-	275	-	-	275
Project Management	-	-	30,000	-	-	30,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	5,300	-	-	9,958
Total Cost	\$-	\$-	\$518,680	\$-	\$-	\$518,680

Sewer Construction Treatment

Project Name: # 345 Dewatering Sludge Cake Pump
Funding Source: Sewer Plant Investment Fees
Project Class: Sewer Construction Treatment
Purpose: New/Enhancement -- Other
Location: 1 East of US 85 Bypass

Department: Water & Sewer
Division: Wastewater Treatment
Ward: 1 16 ST NORTH/ 35 AVE EAST
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

This project replaces one aging Schwing High Solids Cake Pump located in the Dewatering Building on the South Plant at the Water Pollution Control Facility (WPCF).

Justification:

The pump is needed to improve system reliability and to support the planned second dewatering centrifuge or comparable equipment. The current pump is maintenance intensive and requires occasional downtime for repairs. It pumps the dewatering solids (about 20% Total Solids) from the dewatering centrifuge to the sludge hopper unit or directly to the contract hauler's truck for land application. It was installed in 1996 and replacement is planned for 2014 based on the equipment manufacturer's recommendation and maintenance history.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$66,597	\$-	\$-	\$66,597
Design	-	-	-	-	-	-
Professional Services	-	-	500	-	-	500
Project Management	-	-	25,000	-	-	25,000
Capital	-	-	159,825	-	-	159,825
Contingency	-	-	36,000	-	-	36,000
Operating	-	-	-	-	-	-
Miscellaneous	-	-	8,678	-	-	11,366
Total Cost	\$-	\$-	\$299,288	\$-	\$-	\$299,288

Sewer Construction Treatment

Project Name: # 818 Expansion Project for Phosphorus Removal at WPCF **Department:** Water & Sewer
Funding Source: Sewer Plant Investment Fees **Division:** Wastewater Treatment
Project Class: Sewer Construction Treatment **Ward:** 5 OUTSIDE CITY
Purpose: New/Enhancement -- Other **Impact Zone:** Transportation - Zone 1
Location: 4 S of 10th St - E of 71st Ave - W of 35th Ave **Priority:** Priority 2 - Essential (Should Do)

Description:

This project at the Water Pollution Control Facility (WPCF) may require the addition of one or two new aeration basins with further modifications to all four existing basins. The new basins would provide additional capacity and allow combined nitrogen and phosphorus removal to be achieved. Installing baffles within the basins and additional aeration, mixing and pumping will be necessary. At this time, it is uncertain as to the actual nutrient limits that may be included in the plant's future permit. The treatment technologies are varied and depend largely on how stringent the nutrient limits become. However, future treatment may include flow equalization, denitrification filters, ultra-filtration, conventional reverse osmosis, methanol addition, and/or brine recovery. The Colorado Water Quality Control Commission rule-making hearing on nutrients standards was postponed until March 2012.

Justification:

It is anticipated that the State of Colorado Water Quality Control Commission will begin to adopt nutrient standards sometime after 2012-2013. These standards will greatly impact wastewater treatment facilities. It is possible that nutrient limits (total phosphorus and total inorganic nitrogen) may appear in the WPCF's permit as soon as 2017-2018. Further upgrades to the biological treatment process will be necessary to comply with the new nutrient limits. This project is anticipated to occur between 2014-2015 and complement the Phase II, Alternate 6B upgrade. This project is designed to enhance the process units to comply primarily with a total phosphorus limit.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$5,319,466	\$-	\$-	\$5,319,466
Design	-	-	-	-	-	-
Professional Services	-	-	15,200	-	-	15,200
Project Management	-	-	180,000	-	-	180,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	5,000	-	-	60,197
Total Cost	\$-	\$-	\$5,574,863	\$-	\$-	\$5,574,863

Sewer Construction

Project Name: # 886 Security Projects
Funding Source: Sewer Plant Investment Fees
Project Class: Sewer Construction
Purpose: New/Enhancement -- Other
Location: 1 East of US 85 Bypass

Department: Water & Sewer
Division: Wastewater Treatment
Ward: 1 16 ST NORTH/ 35 AVE EAST
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

Protecting facilities to resist intentional damage at the WPCF.

Justification:

Since 911, Federal and State government officials have strongly recommended that wastewater treatment facilities perform vulnerability assessments and adopt measures to adequately secure all areas of their treatment facility. Staff is continuously evaluating and implementing new technologies and cost-effective means to keep plant employees safe as well as all wastewater treatment assets.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	5,000	5,000	5,000	5,000	5,000	25,000
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	1,800	1,800	1,800	1,800	1,800	9,000
Total Cost	\$25,000	\$26,250	\$27,563	\$28,941	\$30,388	\$138,142

Sewer Construction Treatment

Project Name: # 177 Odor & Process Control
Funding Source: Sewer Plant Investment Fees
Project Class: Sewer Construction Treatment
Purpose: New/Enhancement -- Other
Location: 1 East of US 85 Bypass

Department: Water & Sewer
Division: Wastewater Treatment
Ward: 1 16 ST NORTH/ 35 AVE EAST
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

Ongoing odor and process control enhancements at the WPCF.

Justification:

Reducing odor production at the WPCF is a continuing priority. Process control enhancements generally include short independent studies designed to further improve plant operations and performance. In recent years, these studies have often focused on exploring and implementing new technologies to reduce energy consumption and costs throughout the treatment plant.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	-	-	-	-	-	-
Professional Services	25,005	27,480	30,079	32,808	35,673	151,045
Project Management	-	-	-	-	-	-
Capital	24,500	24,500	24,500	24,500	24,500	122,500
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	495	520	-	-	-	2,736
Total Cost	\$50,000	\$52,500	\$55,125	\$57,881	\$60,775	\$276,281

Sewer Construction Collection

Project Name: # 348 North Greeley Sewer Phase II

Department: Water and Sewer

Funding Source: Sewer Plant Investment Fees

Division: Engineering

Project Class: Sewer Construction Collection

Ward: 1 16 ST NORTH/ 35 AVE EAST

Purpose: New/Enhancement -- Other

Impact Zone: Not Applicable

Location: 2 N of 10th St - W of HWY 85 - E of 35th Ave

Priority: Priority 2 - Essential (Should Do)

Description:

Installation of approximately 13,000 feet of 36 inch sanitary trunk main to serve properties north of "O" street and west of highway 85. This piping would connect to the existing phase I piping at 11th avenue and H street running south along the river to the Treatment plant.

Justification:

Presently there are 350 single family equivalents available on the phase I portion when that capacity is no longer available the sewer line will be needed to serve areas north of "O" street and west of highway 85.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$3,235,191	\$4,109,229	\$-	\$7,344,420
Design	-	-	250,000	350,000	-	600,000
Professional Services	-	-	-	-	-	-
Project Management	-	-	30,000	30,000	-	60,000
Capital	-	-	-	-	-	-
Contingency	-	-	50,740	22,070	-	72,810
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	77,742
Total Cost	\$-	\$-	\$3,598,560	\$4,556,412	\$-	\$8,154,972

Sewer Construction Collection

Project Name: # 119 Sewer Line Oversizing and Extension	Department: Water & Sewer
Funding Source: Sewer Plant Investment Fees	Division: Engineering
Project Class: Sewer Construction Collection	Ward: 0 MULTIPLE WARDS
Purpose: New/Enhancement -- Other	Impact Zone: Not Applicable
Location: 0 City Wide	Priority: Priority 2 - Essential (Should Do)

Description:

Ongoing program project to cover reimbursement costs to developer for city required sewer line oversizing and extensions.

Justification:

This project leverages Developer funds with City funds thereby reduceing the overall costs to the customers.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$401,157	\$421,215	\$822,372
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	8,224
Total Cost	\$-	\$-	\$-	\$405,169	\$425,427	\$830,596





Sewer Capital Replacement

	2012	2013	2014	2015	2016	Total
Beginning Balance	\$ 2,752,440	\$ 2,809,233	\$ 1,961,393	\$ 237,475	\$ 770,581	

Revenue

	Bonds/External Loans	-	-	-	-	-
	Development Fees	-	-	-	-	-
	Fees & Charges	-	-	-	-	-
	Funded Depreciation	2,410,785	2,462,467	2,601,362	2,807,481	2,916,805
	Interest on Investments	27,808	23,853	10,994	5,040	20,001
	Intergovernmental Revenue	-	-	-	-	-
	Miscellaneous	-	-	-	-	-
	Shared Concrete/Property Owners	-	-	-	-	-
	Transfers in	872,659	870,248	867,982	-	-
Revenue Total		3,311,252	3,356,568	3,480,338	2,812,521	2,936,806

Other Expenditures & Funded Projects

Rank	Priority	Cont #						
			Debt Service	-	-	-	-	-
			Miscellaneous	-	-	-	-	-
			Rebate Program	-	-	-	-	-
			Transfers Out	872,659	870,248	867,982	-	-
			Trunk and Collector Rehabilitation	508,500	1,548,750	-	-	-
1	Priority 1 - Imperative	795	Sewer Capacity Improvements	1,483,000	539,700	1,081,553	185,220	-
2	Priority 2 - Essential	824	Upgrade WPCF Septage Hauler's R	50,350	-	-	-	-
3	Priority 2 - Essential	885	Sewer Collection System Rehabilita	202,000	346,500	341,775	347,288	330,618
4	Priority 2 - Essential	66	Manhole Rehabilitation with Cemer	61,000	64,050	67,253	70,615	74,146
5	Priority 1 - Imperative	821	Primary Digester Cover Replaceme	-	-	2,124,499	-	-
6	Priority 2 - Essential	351	Dewatered Sludge Cake Pump	-	-	342,044	-	-
7	Priority 3 - Important	359	Replacement of Raw Sewage Pum	-	-	-	914,615	-
8	Priority 3 - Important	832	Roof Replacement at Water Polluti	-	-	-	74,858	-
9	Priority 3 - Important	291	Clarifier & Building Painting Projects	40,000	42,000	44,100	46,305	48,620
10	Priority 2 - Essential	350	General Rehabilitation Projects	-	165,690	-	318,694	-
11	Priority 2 - Essential	349	Capital Outlay Replacement	36,950	323,600	335,050	321,820	24,310
12	Priority 2 - Essential	181	Sanitary Sewer Master Plan Update	-	303,870	-	-	-
13	Priority 2 - Essential	247		-	-	-	-	-
Other Expenditures/Project Costs Total				3,254,459	4,204,408	5,204,256	2,279,415	477,694

Ending Balance	\$ 2,809,233	\$ 1,961,393	\$ 237,475	\$ 770,581	\$ 3,229,693
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Unfunded Projects

Rank	Priority	Cont #	Project Name					
Unfunded Projects Total				\$ -	\$ -	\$ -	\$ -	\$ -

Sewer Replacement Studies

Project Name: # 795 Trunk and Collector Rehabilitation	Department: Water and Sewer
Funding Source: Sewer Funded Depreciation	Division: Waste Water Collection
Project Class: Sewer Replacement Studies	Ward: 0 MULTIPLE WARDS
Purpose: Repair/Rehabilitation -- Other	Impact Zone: Not Applicable
Location: 2 N of 10th St - W of HWY 85 - E of 35th Ave	Priority: Priority 1 - Imperative (Must Do)

Description:

The Cure in Place project rehabilitates various sewer collection and trunk lines identified as having severe hydrogen sulfide corrosion issue. The process installs a new lining in existing piping and improves the pipe structure and flows.

Justification:

Each year Sewer Collection identifies existing piping that has severe corrosion issues and rehabilitates that pipe using a cure in place process. If the pipe is not rehabilitated there is possibility of collapse and sanitary sewer overflows on the streets.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$500,000	\$1,533,750	\$-	\$-	\$-	\$2,033,750
Design	5,000	5,000	-	-	-	10,000
Professional Services	-	-	-	-	-	-
Project Management	3,500	10,000	-	-	-	13,500
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$508,500	\$1,548,750	\$-	\$-	\$-	\$2,057,250

Sewer Replacement Collection

Project Name: # 824 Sewer Capacity Improvements

Department: Water and Sewer Department

Funding Source: Sewer Funded Depreciation

Division: Sewer Collection

Project Class: Sewer Replacement Collection

Ward: 0 MULTIPLE WARDS

Purpose: Repair/Rehabilitation -- Other

Impact Zone: Not Applicable

Location: 0 City Wide

Priority: Priority 2 - Essential (Should Do)

Description:

The attached dollars reflect the probable costs developed by CDM with regard to identified capacity deficient sewer lines in and around the City of Greeley. Continued restriction could affect new development and limit growth in those areas. 35th avenue, 4th street, Cherry Avenue, Highland hills Lower, Highland Hills upper, and the T-Bone feed lines.

Justification:

Pipe capacity evaluation criteria were developed using a d/D rating to determine the pipe capacity under dry-weather and wet-weather conditions for existing and future scenarios. The projects listed in the project description are those lines which in the future could or will be capacity limited. The monies budgeted are for the design and construction of parallel or replacement lines. capacity limited sewer mains could under certain conditions have a sanitary sewer overflow.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$1,345,000	\$455,700	\$1,000,553	\$151,220	\$-	\$2,952,473
Design	70,000	40,000	50,000	20,000	-	180,000
Professional Services	3,000	3,000	3,000	3,000	-	12,000
Project Management	47,000	25,000	21,000	10,000	-	103,000
Capital	-	-	-	-	-	-
Contingency	18,000	10,000	1,000	1,000	-	30,000
Operating	-	-	-	-	-	-
Miscellaneous	-	6,000	6,000	-	-	12,000
Total Cost	\$1,483,000	\$539,700	\$1,081,553	\$185,220	\$-	\$3,289,473

Stormwater Repair/Replace

Project Name: # 885 Upgrade WPCF Septage Hauler's Receiving (Dump) Station Controller Equipment	Department: Water & Sewer
Funding Source: Sewer Funded Depreciation	Division: Wasterwater Treatment
Project Class: Stormwater Repair/Replace	Ward: (Dump) Station Controller Equipment
Purpose: Repair/Rehabilitation -- Other	Impact Zone: Not Applicable
Location: 1 East of US 85 Bypass	Priority: Priority 2 - Essential (Should Do)

Description:

This project is to replace the existing controller equipment for the septage hauler's receiving (dump) station at the Water Pollution Control Facility (WPCF). The controller monitors the pH, flow, and performs random samples on all septage that is received at the station, provides a receipt printer for manifest printing and includes a billing software package. It is an automatic, self-operating system that does not require frequent monitoring and generation of paperwork by plant staff. The main controller unit has had consistent problems since 2005. Obtaining necessary replacement parts and finding a technician who can do the necessary troubleshooting and repairs has been very difficult because the previous vendor or supplier had proprietary rights on most of the controller's parts including the unit's software. This vendor's service fees and parts are also very high and the turnaround time on all repairs is very long.

Justification:

The Water Pollution Control Facility (WPCF) processed over 1.5 million gallons of septage in 2010. The amount of septage being received and treated at the WPCF continues to increase. Without a reliable controller unit and vendor for service and parts, it will become very difficult to manage the 150-175 trucks (300-600 gallon trucks) that dump septage at the WPCF each month. The bulk of the increase in septage gallons is from the oil fields where laundries, showers, and field barracks are on site. Septage from the oil fields is expected to continue to increase over the next few years. The majority of the haulers that use the Greeley WPCF for treating septage wastes are based in Greeley or the surrounding region. The WPCF is strategically located for these septage firms to discharge at a very reasonable fee. Without the automated features that the controller provides, plant staff would need to spend numerous hours each week overseeing the hauled waste dump station, tracking the amount of septage that the station receives, and manually issuing manifests and bills for the haulers.

Impact on Budget:

None

Project Cost Summary

Stormwater Repair/Replace

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$10,000	\$-	\$-	\$-	\$-	\$10,000
Design	3,700	-	-	-	-	3,700
Professional Services	150	-	-	-	-	150
Project Management	-	-	-	-	-	-
Capital	34,000	-	-	-	-	34,000
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	2,500	-	-	-	-	2,500
Total Cost	\$50,350	\$-	\$-	\$-	\$-	\$50,350

Sewer Replacement Treatment

Project Name: # 66 Sewer Collection System Rehabilitation	Department: Water & Sewer
Funding Source: Sewer Funded Depreciation	Division: Wastewater Collection
Project Class: Sewer Replacement Treatment	Ward: 0 MULTIPLE WARDS
Purpose: Repair/Rehabilitation -- Other	Impact Zone: Not Applicable
Location: 0 City Wide	Priority: Priority 2 - Essential (Should Do)

Description:

The project will provide replacement design and construction. It will replace small or undersized lines serving more than one property. It also includes trenchless rehabilitation of sanitary sewers that are cracked, broken or otherwise unserviceable and will benefit from added strength and integrity of cured-in-place reconstruction. Manholes may also be treated with cured-in-place methods.

Justification:

This will improve services to underserved customers and clarify ownership and maintenance responsibilities of customer service lines. This project will rehabilitate existing sanitary sewers and manholes in a non-intrusive manner when compared to excavating for removal and replacement.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$170,000	\$304,400	\$273,775	\$312,288	\$253,618	\$1,314,081
Design	25,000	25,000	25,000	25,000	25,000	125,000
Professional Services	-	-	-	-	-	-
Project Management	7,000	7,000	10,000	10,000	10,000	44,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	10,100	33,000	-	42,000	85,100
Total Cost	\$202,000	\$346,500	\$341,775	\$347,288	\$330,618	\$1,568,181

Sewer Replacement Collection

Project Name: # 821 Manhole Rehabilitation with Cementitious Material
Department: Water and Sewer
Funding Source: Sewer Funded Depreciation
Division: Waste Water Collection
Project Class: Sewer Replacement Collection
Ward: 0 MULTIPLE WARDS
Purpose: Repair/Rehabilitation -- Other
Impact Zone: Not Applicable
Location: 0 City Wide
Priority: Priority 1 - Imperative (Must Do)

Description:

The trenchless rehabilitation of various manholes with severe corrosion issues using Cementitious Materials is a ongoing project that rehabilitates manholes.

Justification:

The rehabilitation of these manholes is essential for the continued flow of sewage and lessens the chances of a sanitary sewer overflow

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$57,000	\$60,050	\$63,253	\$66,615	\$70,146	\$317,064
Design	2,000	2,000	2,000	2,000	2,000	10,000
Professional Services	-	-	-	-	-	-
Project Management	2,000	2,000	2,000	2,000	2,000	10,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$61,000	\$64,050	\$67,253	\$70,615	\$74,146	\$337,064

Sewer Replacement Collection

Project Name: # 351 Primary Digester Cover Replacements at WPCF
Department: Water & Sewer
Funding Source: Sewer Funded Depreciation
Division: Wastewater Treatment
Project Class: Sewer Replacement Collection
Ward: 1 16 ST NORTH/ 35 AVE EAST
Purpose: Repair/Rehabilitation -- Other
Impact Zone: Not Applicable
Location: 1 East of US 85 Bypass
Priority: Priority 2 - Essential (Should Do)

Description:

This project is for the replacement of two floating-type anaerobic digester covers at the Water Pollution Control Facility (WPCF). These digesters are 75' diameter tanks.

Justification:

This type of digester cover is generally scheduled for replacement every 25-30 years; they will be 29 years old in 2014 when they are scheduled for replacement. Physical inspection of the covers in 2006 indicated that moderate rusting and deterioration was occurring and that replacement was probable in the next 5-10 years. Failure of these floating covers would prevent the use of these digesters which could result in the inability to adequately treat solids and meet the Environmental Protection Agency (EPA) 503 biosolids regulations for land application.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$1,625,266	\$-	\$-	\$1,625,266
Design	-	-	143,500	-	-	143,500
Professional Services	-	-	300	-	-	300
Project Management	-	-	80,000	-	-	80,000
Capital	-	-	10,000	-	-	10,000
Contingency	-	-	-	-	-	-
Operating	-	-	5,000	-	-	5,000
Miscellaneous	-	-	260,433	-	-	260,433
Total Cost	\$-	\$-	\$2,124,499	\$-	\$-	\$2,124,499

Sewer Construction Collection

Project Name: # 359 Dewatered Sludge Cake Pump

Department: Water & Sewer

Funding Source: Sewer Funded Depreciation

Division: Wastewater Treatment

Project Class: Sewer Construction Collection

Ward: 1 16 ST NORTH/ 35 AVE EAST

Purpose: Repair/Rehabilitation -- Park

Impact Zone: Not Applicable

Location: 1 East of US 85 Bypass

Priority: Priority 3 - Important (Could Do)

Description:

This project involves the replacement of one aging Schwing high solids cake pump located in the Dewatering Building on the South Plant at the Water Pollution Control Facility (WPCF).

Justification:

This pump is maintenance intensive and requires occasional downtime for repairs. It pumps the dewatering solids (about 20% Total Solids) from the dewatering centrifuge to the sludge hopper unit or directly to the contract hauler's truck for land application. It was installed in 1996 and replacement is planned for 2014 based on the equipment manufacturer's recommendation and maintenance history.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$233,800	\$-	\$-	\$233,800
Design	-	-	38,000	-	-	38,000
Professional Services	-	-	300	-	-	300
Project Management	-	-	20,000	-	-	20,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	49,944	-	-	49,944
Total Cost	\$-	\$-	\$342,044	\$-	\$-	\$342,044

Sewer Replacement Collection

Project Name: # 832 Replacement of Raw Sewage Pumps (3) at **Department:** Water & Sewer
 WPCF
Funding Source: Sewer Funded Depreciation **Division:** Wastewater Treatment
Project Class: Sewer Replacement Collection **Ward:** 1 16 ST NORTH/ 35 AVE EAST
Purpose: Repair/Rehabilitation -- Other **Impact Zone:** Not Applicable
Location: 1 East of US 85 Bypass **Priority:** Priority 3 - Important (Could Do)

Description:

This project replaces the three Fairbanks Morse vertical turbine raw sewage pumps at the Water Pollution Control Facility (WPCF).

Justification:

These pumps are maintained according to the manufacturer's recommendations. Every three years, each pump is thoroughly inspected, re-balanced, and the shaft with bushings are usually replaced. Some wear is now showing up on the pump's impellers and volutes. The life expectancy for these pumps is about 20 years. They were installed in 1995. It is anticipated that a total pump replacement may become necessary by 2015 and be more cost-effective than continued repairs every few years especially if excessive wear on the impeller and volute (which are very expensive) becomes more noticeable. This equipment is responsible for pumping the City's raw sewage from a wet well at the plant up into the treatment process. Significant downtime or failure of these pumps could result in a backup of sewage into the collection system (including homes and businesses) east of the plant. Two of these pumps run almost continuously 20/7 with the third pump serving as a backup unit.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$759,336	\$-	\$759,336
Design	-	-	-	10,000	-	10,000
Professional Services	-	-	-	200	-	200
Project Management	-	-	-	5,000	-	5,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	140,079	-	140,079
Total Cost	\$-	\$-	\$-	\$914,615	\$-	\$914,615

Public Buildings Repair/Replacement

Project Name: # 291 Roof Replacement at Water Pollution Control Facility Dewatering Building

Department: Water & Sewer

Funding Source: Sewer Funded Depreciation

Division: Wastewater Treatment

Project Class: Public Buildings Repair/Replacement

Ward: 1 16 ST NORTH/ 35 AVE EAST

Purpose: Repair/Rehabilitation -- Other

Impact Zone: Not Applicable

Location: 1 East of US 85 Bypass

Priority: Priority 3 - Important (Could Do)

Description:

This project is to replace the roof on the Dewatering Building at the Water Pollution Control Facility (WPCF). The anticipated replacement year is 2015.

Justification:

This membrane roof was installed in 1995. According to the manufacturer, this style of roof generally will last for about 20 years. Over the past year, a few small leaks have been noticed during heavy storm events, but they have been repaired by the plant maintenance staff. It is anticipated that the roof may need to be totally replaced by 2015.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$61,693	\$-	\$61,693
Design	-	-	-	-	-	-
Professional Services	-	-	-	200	-	200
Project Management	-	-	-	1,500	-	1,500
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	11,465	-	11,465
Total Cost	\$-	\$-	\$-	\$74,858	\$-	\$74,858

Sewer Replacement

Project Name: # 350 Clarifier & Building Painting Projects
Funding Source: Sewer Funded Depreciation
Project Class: Sewer Replacement
Purpose: Repair/Rehabilitation -- Other
Location: 1 East of US 85 Bypass

Department: Water & Sewer
Division: Wastewater Treatment
Ward: 1 16 ST NORTH/ 35 AVE EAST
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

Refurbish or re-paint various buildings (inside) and process units (outside) such as clarifiers throughout the treatment plant on a regular basis.

Justification:

These painting projects are ongoing and necessary to maintain the buildings and process units in good shape and appearance. Because of the use of these buildings and outside process units, periodic re-painting projects need to be scheduled every 10 years or so.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$200,000
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	2,000	4,100	6,305	8,620	21,025
Total Cost	\$40,000	\$42,000	\$44,100	\$46,305	\$48,620	\$221,025

Sewer Replacement

Project Name: # 349 General Rehabilitation Projects

Department: Water & Sewer

Funding Source: Sewer Funded Depreciation

Division: Wastewater Treatment

Project Class: Sewer Replacement

Ward: 1 16 ST NORTH/ 35 AVE EAST

Purpose: Repair/Rehabilitation -- Other

Impact Zone: Not Applicable

Location: 1 East of US 85 Bypass

Priority: Priority 2 - Essential (Should Do)

Description:

This project encompasses a variety of small projects and includes such things as the replacement of large pumps, motors, air handling units, solar panels, boiler units, heat exchangers, etc.

Justification:

Manufacturer's recommendations, equipment performance & repair history, normal life expectancies, the inability to find suitable replacement parts or components, etc. all enter into the decision as to whether or not a particular item needs to be replaced or refurbished. Generally speaking, it has worked well to budget funds for this task every 5 years to ensure that the plant is always maintained properly with state-of-the-art equipment that is functional and performs well.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	-	20,000	-	40,000	-	60,000
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	115,690	-	218,694	-	334,384
Contingency	-	-	-	-	-	-
Operating	-	20,000	-	40,000	-	60,000
Miscellaneous	-	10,000	-	20,000	-	30,000
Total Cost	\$-	\$165,690	\$-	\$318,694	\$-	\$484,384

Sewer Replacement

Project Name: # 181 Capital Outlay Replacement
Funding Source: Sewer Funded Depreciation
Project Class: Sewer Replacement
Purpose: Repair/Rehabilitation -- Other
Location: 0 City Wide

Department: Water & Sewer
Division: Sewer
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

Replacement of rolling stock, e.g., pickups, tractor backhoes, loaders, compressors, dump trucks, and other identified replacement capital items.

Justification:

Replacement of rolling stock that has reached the end of its useful life. Maintains ability to perform daily tasks and handle emergency calls.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	36,950	323,600	335,050	321,820	24,310	1,041,730
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$36,950	\$323,600	\$335,050	\$321,820	\$24,310	\$1,041,730

Sewer Replacement

Project Name: # 247 Sanitary Sewer Master Plan Update
Funding Source: Sewer Funded Depreciation
Project Class: Sewer Replacement
Purpose: Repair/Rehabilitation -- Other
Location: 0 City Wide

Department: Water & Sewer Department
Division: Engineering
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

The update of the existing Sanitary Sewer Master Plan study is to evaluate the capacity of the collection system and provide an overview of the Water Pollution Control Facility operations to provide a guide for planning, prioritizing, and budgeting for 5-yr and 20-yr capital improvement plan (CIP) projects.

Justification:

Five year updates are necessary to keep the planning document up to date with changes in the sanitary sewer system.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	-	303,870	-	-	-	303,870
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$-	\$303,870	\$-	\$-	\$-	\$303,870





Water Construction

Beginning Balance	2012	2013	2014	2015	2016	Total
	\$ 2,841,076	\$ 5,375,467	\$ 7,315,453	\$ 2,859,890	\$ 5,033,522	

Revenue

	Bonds/External Loans	-	-	16,000,000	-	-	16,000,000
	Development Fees	1,771,326	3,831,595	5,585,418	6,881,912	7,362,364	25,432,615
	Fees & Charges	16,039,532	361,405	378,131	379,722	390,124	17,548,914
	Funded Depreciation	-	-	-	-	-	-
	Interest on Investments	41,100	63,500	50,900	39,500	67,000	262,000
	Intergovernmental Revenue	-	-	-	-	-	-
	Miscellaneous	25,000	25,000	25,000	25,000	25,000	125,000
	Shared Concrete/Property C	-	-	-	-	-	-
	Transfers In	8,281,023	10,277,933	5,138,699	5,550,095	5,543,377	34,791,127
Revenue Total		26,157,981	14,559,433	27,178,148	12,876,229	13,387,865	94,159,656

Other Expenditures & Funded Projects

Rank	Priority	Cont #							
			Debt Service	4,221,781	4,218,691	5,076,702	5,488,032	5,479,704	24,484,910
			Miscellaneous	-	-	-	-	-	-
			Rebate Program	-	-	-	-	-	-
			Transfers Out	40,412	40,412	41,624	42,873	44,159	209,480
1	Priority 1 - Imperative	117	Milton Seaman Permitting	2,041,000	2,428,703	4,057,777	4,622,178	3,642,075	16,791,733
2	Priority 1 - Imperative	197	Windy Gap Firming	791,947	277,181	22,032,924	-	-	23,102,052
3	Priority 1 - Imperative	123	Bellvue Transmission Program	15,000,000	5,250,000	-	-	-	20,250,000
4	Priority 1 - Imperative	890	Bellvue Pipeline Mitigation Pr	750,000	-	-	-	-	750,000
5	Priority 2 - Essential (S)	125	Land Acquisition and Manag	130,000	136,500	143,325	150,491	158,016	718,332
6	Priority 3 - Important (I)	377	Water Master Plan	250,000	-	-	-	-	250,000
7	Priority 1 - Imperative	121	New Construction Meters	54,000	65,520	75,411	86,127	103,318	384,376
8	Priority 2 - Essential (S)	122	Water Taps	71,400	74,970	78,719	82,654	86,787	394,530
9	Priority 2 - Essential (S)	124	Distribution Line Extension an	31,000	23,730	18,302	115,868	121,661	310,561
10	Priority 2 - Essential (S)	835	New Augmentation Structure	101,000	-	-	-	-	101,000
11	Priority 2 - Essential (S)	836	Poudre Ponds Pump House	47,250	-	-	-	-	47,250
12	Priority 2 - Essential (S)	70	SCADA Systems (Supervisory)	78,800	82,740	86,877	91,221	95,782	435,420
13	Priority 2 - Essential (S)	198	Security Projects (water)	15,000	21,000	22,050	23,153	24,310	105,513
14	Priority 2 - Essential (S)	378	Bellvue 2mg Clearwell	-	-	-	-	297,094	297,094
Other Expenditures/Project Costs Total				23,623,590	12,619,447	31,633,711	10,702,597	10,052,906	88,632,251

Ending Balance	\$ 5,375,467	\$ 7,315,453	\$ 2,859,890	\$ 5,033,522	\$ 8,368,481
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Unfunded Projects

Rank	Priority	Cont #	Project Name				
Unfunded Projects Total				\$ -	\$ -	\$ -	\$ -

Water Construction Supply

Project Name: # 117 Milton Seaman Permitting
Funding Source: Water Plant Investment Fees
Project Class: Water Construction Supply
Purpose: New/Enhancement -- Other
Location: 8 Outside City

Department: Water & Sewer
Division: Treatment and Supply
Ward: 5 OUTSIDE CITY
Impact Zone: Not Applicable
Priority: Priority 1 - Imperative (Must Do)

Description:

This is for the permitting of an enlarged Milton Seaman Reservoir as part of a Halligan-Seaman Water Management project. This will increase the water supply to meet future water supply needs.

Justification:

Storage can increase the usable yield of existing and future water rights.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$200,000	\$171,295	\$824,100	\$724,100	\$724,100	\$2,643,595
Design	3,000	153,000	153,000	3,000	3,000	315,000
Professional Services	1,400,000	1,666,408	2,142,677	2,707,078	1,726,975	9,643,138
Project Management	420,000	420,000	420,000	420,000	420,000	2,100,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	18,000	18,000	518,000	768,000	768,000	2,090,000
Total Cost	\$2,041,000	\$2,428,703	\$4,057,777	\$4,622,178	\$3,642,075	\$16,791,733

Water Construction Supply

Project Name: # 197 Windy Gap Firming
Funding Source: Water Plant Investment Fees
Project Class: Water Construction Supply
Purpose: New/Enhancement -- Other
Location: 8 Outside City

Department: Water & Sewer
Division: Treatment & Supply
Ward: 5 OUTSIDE CITY
Impact Zone: Not Applicable
Priority: Priority 1 - Imperative (Must Do)

Description:

The purpose of the proposed Windy Gap firming project (WGFP) is to deliver a firm annual yield of up to 30,000 acre-feet of water from the Windy Gap project.

Justification:

Due to storage limitations within the Colorado Big Thompson (C-BT) and other factors, Windy Gap owners haven't been able to rely on Windy Gap to meet a portion of their current water needs or future requirements. The Windy Gap Firming project is proposed to improve the yield of water deliveries from the existing Windy Gap project to participating Windy Gap owners.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$22,032,924	\$-	\$-	\$22,032,924
Design	791,947	277,181	-	-	-	1,069,128
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$791,947	\$277,181	\$22,032,924	\$-	\$-	\$23,102,052

Water Construction Supply

Project Name: # 123 Bellvue Transmission Program - 60-inch	Department: Water and Sewer
Funding Source: Water Plant Investment Fees	Division: Transmission and Distribution
Project Class: Water Construction Supply	Ward: 5 OUTSIDE CITY
Purpose: New/Enhancement -- Transmission Lines	Impact Zone: Not Applicable
Location: 8 Outside City	Priority: Priority 1 - Imperative (Must Do)

Description:

To secure Greeley's water future, the 2003 Water Master Plan instituted a policy to expand when demand reaches 90% of system capacity. To maintain potable water delivery capacity, construction on a new pipeline from the Bellvue filter plant to Greeley was started in 2003; completion is scheduled for 2013. The 60" transmission pipeline, which is 29 miles long, is being built in multiple segments over several years to connect the Bellvue Water Treatment Plant to customers in Greeley. Sections of this pipeline have passed through developing areas in Fort Collins and Windsor. Future sections will pass through areas of unincorporated Larimer County. The project was 65% (19 miles) complete at the beginning of 2011.

Justification:

This will provide additional capacity to enable more treated drinking water to be delivered to Greeley and the surrounding growing areas from the Bellvue water treatment plant. This project is identified as necessary in the Greeley Water Master Plan.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$13,619,406	\$5,138,020	\$-	\$-	\$-	\$18,757,426
Design	240,000	-	-	-	-	240,000
Professional Services	430,000	-	-	-	-	430,000
Project Management	140,000	60,000	-	-	-	200,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	570,594	51,980	-	-	-	622,574
Total Cost	\$15,000,000	\$5,250,000	\$-	\$-	\$-	\$20,250,000

Water Construction Supply

Project Name: # 890 Bellvue Pipeline Mitigation Project
Funding Source: Water Plant Investment Fees
Project Class: Water Construction Supply
Purpose: New/Enhancement -- Other
Location: 8 Outside City

Department: Water & Sewer
Division: Water Resources
Ward: 5 OUTSIDE CITY
Impact Zone: Not Applicable
Priority: Priority 1 - Imperative (Must Do)

Description:

Environmental enhancements to the Poudre River drainage basin to mitigate for water impacts from increased diversions in the future created by the new Bellvue pipeline.

Justification:

Mitigation required in order to receive permission to finish construction of the new Bellvue pipeline.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$750,000	\$-	\$-	\$-	\$-	\$750,000
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$750,000	\$-	\$-	\$-	\$-	\$750,000

Water Replacement Supply

Project Name: # 125 Land Acquisition and Management

Department: Water and Sewer

Funding Source: Water Plant Investment Fees

Division: Transmission and Distribution

Project Class: Water Replacement Supply

Ward: 5 OUTSIDE CITY

Purpose: New/Enhancement -- Land

Impact Zone: Not Applicable

Location: 0 City Wide

Priority: Priority 2 - Essential (Should Do)

Description:

These funds are set aside annually to support contract employees and consultants to acquire new easements and property and to research, compile, and defend existing easements and lands. A new filing system is being created utilizing the GIS to efficiently catalog for quick retrieval over 100 years of easement and land records that have been buried in hundreds of project and property files.

Justification:

Professional expertise is required to acquire new land and easements and to protect Greeley's existing properties for the installation, operation, and maintenance of Greeley's pipelines, treatment plants, reservoirs, pump stations and other facilities. This project also provides the department with right-of-way expertise to protect our existing facilities from development on and around those facilities outside of the city limits of the City of Greeley. Proper cataloging of existing records for rapid retrieval provides good customer service to developers, contractors, and City staff.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$130,000	\$136,500	\$143,325	\$150,491	\$158,016	\$718,332
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$130,000	\$136,500	\$143,325	\$150,491	\$158,016	\$718,332

Water Construction Supply

Project Name: # 377 Water Master Plan
Funding Source: Water Plant Investment Fees
Project Class: Water Construction Supply
Purpose: New/Enhancement -- N/A
Location: 0 City Wide

Department: Water&Sewer
Division: Water Resources
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 3 - Important (Could Do)

Description:

The Water Master Plan is updated every 5 years and looks at all aspects of supply for citizens of Greeley.

Justification:

Necessary to assure that the City responds to internal and external water supply challenges that have occurred since implementation of the last plan.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	250,000	-	-	-	-	250,000
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$250,000	\$-	\$-	\$-	\$-	\$250,000

Water Construction Trans & Distrib

Project Name: # 121 New Construction Meters
Funding Source: Water Plant Investment Fees
Project Class: Water Construction Trans & Distrib
Purpose: New/Enhancement -- Other
Location: 0 City Wide

Department: Water & Sewer
Division: Transmission and Distribution
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 1 - Imperative (Must Do)

Description:

These funds are used for purchasing new meters for resale to property owners/developers for new service connections. The customer is required to purchase all system meters from the City; this is an on-going project.

Justification:

City ordinance requires a meter on every tap. The cost of new meters in this account is offset by the sale of these meters to customers. Providing meters to customers assures the proper meter is installed and compatible with our automated meter reading and billing system. The cost of each meter varies from \$243 to \$11,826.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	33,300	44,820	54,711	65,427	82,618	280,876
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	8,300	8,300	8,300	8,300	8,300	41,500
Contingency	-	-	-	-	-	-
Operating	12,400	12,400	12,400	12,400	12,400	62,000
Miscellaneous	-	-	-	-	-	-
Total Cost	\$54,000	\$65,520	\$75,411	\$86,127	\$103,318	\$384,376

Water Construction Supply

Project Name: # 122 Water Taps	Department: Water & Sewer
Funding Source: Water Plant Investment Fees	Division: Transmission/Distribution
Project Class: Water Construction Supply	Ward: 0 MULTIPLE WARDS
Purpose: New/Enhancement -- Other	Impact Zone: Not Applicable
Location: 0 City Wide	Priority: Priority 2 - Essential (Should Do)

Description:

Taps are used to regulate the flow of water. This project budget is for valve related materials and miscellaneous costs incorporated into either main line or service line taps; this is an on-going project.

Justification:

The transmission/distribution crews construct taps on the water system lines for both its own operations and those required by new customers. Tapping valves and pipe related materials used for tap construction are purchased from the Inventory Budget account. All applicable costs are included in this account to complete the tap (asphalt, flow fill, concrete, etc.). Cost recovery is only applicable for taps constructed for customers.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$50,000
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	57,900	61,470	65,219	69,154	73,287	327,030
Miscellaneous	3,500	3,500	3,500	3,500	3,500	17,500
Total Cost	\$71,400	\$74,970	\$78,719	\$82,654	\$86,787	\$394,530

Water Construction Supply

Project Name: # 124 Distribution Line Extension and Oversizing **Department:** Water & Sewer
Funding Source: Water Plant Investment Fees **Division:** Water
Project Class: Water Construction Supply **Ward:** 0 MULTIPLE WARDS
Purpose: New/Enhancement -- Other **Impact Zone:** Not Applicable
Location: 0 City Wide **Priority:** Priority 2 - Essential (Should Do)

Description:

This project provides for reimbursement to developers for installing oversized pipe at the request of the City. Development extensions between completed subdivisions may also be needed to complete the pipe networking system.

Justification:

Provides the means for the City to oversize pipes being installed by developers and to extend mains as necessary for the benefit of the entire system. Oversizing and main extensions are dependent on development and master grid sizing plan. As a result, improved flow, pressure, and system reliability can be built into the future and existing distribution system. Overall cost to the developer is minimal and the City saves mobilization costs.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$21,000	\$21,495	\$17,121	\$107,721	\$113,456	\$280,793
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	10,000	2,000	1,000	6,000	6,000	25,000
Miscellaneous	-	235	-	-	-	2,768
Total Cost	\$31,000	\$23,730	\$18,302	\$115,868	\$121,661	\$310,561

Water Construction Supply

Project Name: # 835 New Augmentation Structures
Funding Source: Water Plant Investment Fees
Project Class: Water Construction Supply
Purpose: New/Enhancement -- Other
Location: 8 Outside City

Department: Water and Sewer Department
Division: Water Resources
Ward: 5 OUTSIDE CITY
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

The augmentation structures will make delivery of augmentation and return flow obligations directly to the Big Thompson River and past existing headgates.

Justification:

Augmentation and return flow obligations are a legal requirement of existing water decrees. In addition, the State Engineers Office is now requiring all water flowing in the natural stream to be measured past ditch diversions. Compliance is mandatory, thereby requiring the construction of additional structures at existing ditch diversions.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$101,000	\$-	\$-	\$-	\$-	\$101,000
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$101,000	\$-	\$-	\$-	\$-	\$101,000

Water Construction Trans & Distrib

Project Name: # 836 Poudre Ponds Pump House
Funding Source: Water Plant Investment Fee
Project Class: Water Construction Trans & Distrib
Purpose: New/Enhancement -- Other
Location: 8 Outside City

Department: Water and Sewer Department
Division: Water Resources
Ward: 5 OUTSIDE CITY
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

Construction of a heated shelter for pumps at Poudre Ponds.

Justification:

The project provides winterization of the pump motors and discharge header and will allow use of the gravel pit water during winter months when augmentation water supplies are needed.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$38,250	\$-	\$-	\$-	\$-	\$38,250
Design	7,500	-	-	-	-	7,500
Professional Services	-	-	-	-	-	-
Project Management	1,500	-	-	-	-	1,500
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$47,250	\$-	\$-	\$-	\$-	\$47,250

Water Construction Supply

Project Name: # 70 SCADA Systems (Supervisory Controls and Data Acquisition) **Department:** Water & Sewer
Funding Source: Water Plant Investment Fees **Division:** Water
Project Class: Water Construction Supply **Ward:** 5 OUTSIDE CITY
Purpose: New/Enhancement -- Other **Impact Zone:** Not Applicable
Location: 8 Outside City **Priority:** Priority 2 - Essential (Should Do)

Description:

SCADA (Supervisory Control and Data Acquisition) is a computer system that monitors, controls and collects data in real time from the water system. This is an on-going project to construct and upgrade the system.

Justification:

SCADA provides staff with instant data for systems operational needs and security while collecting required regulatory monitoring data. City staff evaluates, designs and constructs the system upgrades. The 2012 projects will concentrate on installing additional SCADA monitoring equipment on the transmission and non-potable systems.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$25,200	\$29,140	\$33,277	\$37,621	\$42,182	\$167,420
Design	25,200	25,200	25,200	25,200	25,200	126,000
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	25,400	25,400	25,400	25,400	25,400	127,000
Miscellaneous	2,000	2,000	2,000	2,000	2,000	10,000
Total Cost	\$78,800	\$82,740	\$86,877	\$91,221	\$95,782	\$435,420

Water Construction Trans & Distrib

Project Name: # 198 Security Projects (water)
Funding Source: Water Plant Investment Fees
Project Class: Water Construction Trans & Distrib
Purpose: New/Enhancement -- Other
Location: 0 City Wide

Department: Water & Sewer
Division: Water
Ward: Multiple Wards
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

This project funds identified security requirements for the water system. The Public Health Security and Bioterrorism Preparedness and Response Act of 2002 required security and emergency planning to be incorporated into each water system's overall operations. This is an ongoing project.

Justification:

This budget is used for identified security and emergency response planning requirements for the water system. The Environmental Protection Agency (EPA) distributes security information and suggests improvements to water systems. Vulnerability assessment and emergency drinking water response plans are periodically required to be updated by the EPA and reviewed during the State Sanitary Inspection. All security installations to date, except for cameras, have been accomplished by using water department staff resources.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$25,000
Design	5,000	11,000	12,050	13,153	14,310	55,513
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	5,000	5,000	5,000	5,000	5,000	25,000
Miscellaneous	-	-	-	-	-	-
Total Cost	\$15,000	\$21,000	\$22,050	\$23,153	\$24,310	\$105,513

Water Construction Treatment

Project Name: # 378 Bellvue 2mg Clearwell
Funding Source: Water Plant Investment Fees
Project Class: Water Construction Treatment
Purpose: New/Enhancement -- Other
Location: 8 Outside City

Department: Water&Sewer
Division: Treatment/Supply
Ward: 5 OUTSIDE CITY
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

Design and construct a 2 million gallon (mg) clearwell, piping, and chemical injection in tandem with the existing clearwell.

Justification:

The capital improvement plan and schedule that was established in 1998, had projected design and construction of a 40 mgd membrane facility that would have increased the hydraulic grade line to fully utilize the existing clearwell storage capacity. Testing for the LT2SWTR has allowed grandfathering the plant into Bin No.1 - no additional treatment required. By not constructing the membrane facility, we can only utilize half of the existing 2mg clearwell. The industry standard for clearwell storage is 10% of plant capacity which is 35 million gallons per day (mgd). Construction of a 2mg clearwell will provide a total of 2mg of storage until a 40 mgd facility is constructed in 2028, increasing the hydraulic grade line allowing utilization of the 4 mg total clearwell capacity.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$25,000	\$25,000
Design	-	-	-	-	252,152	252,152
Professional Services	-	-	-	-	500	500
Project Management	-	-	-	-	11,500	11,500
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	5,000	7,942
Total Cost	\$-	\$-	\$-	\$-	\$297,094	\$297,094





Water Capital Replacement

	2012	2013	2014	2015	2016	Total
Beginning Balance	\$ 2,145,687	\$ 1,724,865	\$ 585,395	\$ 498,109	\$ 1,546,508	

Revenue

	Bonds/External Loans	-	-	-	-	-
	Development Fees	-	-	-	-	-
	Fees & Charges	-	-	-	-	-
	Funded Depreciation	6,761,525	7,191,878	7,393,553	7,991,340	8,087,794
	Interest on Investments	19,400	11,600	5,400	10,200	12,300
	Intergovernmental Revenue	-	-	-	-	-
	Miscellaneous	-	-	-	-	-
	Shared Concrete/Property Owners	-	-	-	-	-
	Transfers In	951,758	1,337,566	1,743,435	2,069,060	2,314,444
Revenue Total		7,732,683	8,541,044	9,142,388	10,070,600	10,414,538

Other Expenditures & Funded Projects

Rank	Priority	Cont #						
			Debt Service	576,899	553,275	553,665	553,703	554,969
			Miscellaneous	-	-	-	-	-
			Rebate Program	-	-	-	-	-
			Transfers Out	4,000,000	6,000,000	5,000,000	4,000,000	3,000,000
1	Priority 1 - Imperative	67	Meter Replacement	325,800	302,400	530,633	575,687	668,528
2	Priority 2 - Essential (S)	69	Distribution Pipeline Replacement	1,853,000	577,500	606,375	636,694	668,528
3	Priority 1 - Imperative	322	Cross Connection Control Rehab P	165,400	173,670	56,228	59,039	61,991
4	Priority 2 - Essential (S)	342	Instrumentation And Control	91,900	96,495	101,320	106,386	111,705
5	Priority 2 - Essential (S)	705	Bellvue Water Treatment Plant Gen	55,125	44,118	72,076	58,576	87,030
6	Priority 1 - Imperative	341	Boyd Water Treatment Plant Gener	110,581	63,793	134,411	77,567	137,735
7	Priority 2 - Essential (S)	174	Ancillary System Improvements	315,000	330,750	347,288	364,652	382,884
8	Priority 2 - Essential (S)	71	Fire Hydrant Replacement	69,600	73,080	76,734	80,571	84,599
9	Priority 2 - Essential (S)	72	Valve Replacement	99,200	104,160	109,368	114,836	120,578
10	Priority 2 - Essential (S)	68	Transmission System Rehabilitation	55,100	57,855	60,748	607,753	1,944,810
11	Priority 1 - Imperative	380	Chlorine Scrubber Rehabilitation	30,900	32,445	-	-	-
12	Priority 2 - Essential (S)	188	Capital Outlay Replacement-Wate	277,500	275,625	289,406	303,877	319,070
13	Priority 2 - Essential (S)	425	Non-potable Replacement Rehabil	74,500	79,800	76,073	95,504	72,080
14	Priority 2 - Essential (S)	65	Treated Water Reservoir Rehabilita	53,000	136,448	58,929	61,875	149,143
15	Priority 2 - Essential (S)	555	Chlorine System Replacement	-	779,100	678,038	-	-
16	Priority 2 - Essential (S)	841	Cache la Poudre River Turnout Reh	-	-	441,338	-	-
17	Priority 2 - Essential (S)	839	Hourglass Reservoir Outlet Gates Re	-	-	37,044	454,947	-
18	Priority 2 - Essential (S)	837	Boyd Lake Filter Media Replaceme	-	-	-	524,983	-
19	Priority 2 - Essential (S)	872	Boyd Water Treatment Plant Tube S	-	-	-	206,636	2,681,407
20	Priority 2 - Essential (S)	840	Poudre Ponds Pump Replacement	-	-	-	138,915	-
Other Expenditures/Project Costs Total				8,153,505	9,680,514	9,229,674	9,022,201	11,045,057

Ending Balance	\$ 1,724,865	\$ 585,395	\$ 498,109	\$ 1,546,508	\$ 915,989
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Unfunded Projects

Rank	Priority	Cont #	Project Name					
Unfunded Projects Total				\$ -	\$ -	\$ -	\$ -	\$ -

Water Replacement Trans & Distrib

Project Name: # 67 Meter Replacement	Department: Water & Sewer
Funding Source: Water Funded Depreciation	Division: Water
Project Class: Water Replacement Trans & Distrib	Ward: 0 MULTIPLE WARDS
Purpose: Repair/Rehabilitation -- Other	Impact Zone: Not Applicable
Location: 0 City Wide	Priority: Priority 1 - Imperative (Must Do)

Description:

This project funds the replacement of both large and small meters and their related components; this is an on-going project.

Justification:

Meter accuracy is paramount for revenue collection; they are replaced when they fail accuracy specifications. Meters and radio transponders are replaced when they fail, which is approximately every ten to fifteen years. We have two models of Badger Radio AMR meters in our system, Trace and Orion. In 2013 the specific radio frequency authorized by the FCC will no longer be available for the approximately 4,500 Trace's in our system.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	310,800	287,400	515,633	560,687	653,528	2,328,048
Miscellaneous	15,000	15,000	15,000	15,000	15,000	75,000
Total Cost	\$325,800	\$302,400	\$530,633	\$575,687	\$668,528	\$2,403,048

Water Replacement Trans & Distrib

Project Name: # 69 Distribution Pipeline Replacement	Department: Water & Sewer
Funding Source: Water Funded Depreciation	Division: Transmission & Distribution
Project Class: Water Replacement Trans & Distrib	Ward: 0 MULTIPLE WARDS
Purpose: Repair/Rehabilitation -- Other	Impact Zone: Not Applicable
Location: 0 City Wide	Priority: Priority 2 - Essential (Should Do)

Description:

This will provide replacement and/or rehabilitation of pipes that exhibit extreme corrosion or have an excessive leak history. Pipes that are too small are replaced to increase flow capability. Various rehabilitation methods such as cement mortar lining, swedge lining, and pipe bursting may be used. Every two years projects are prioritized based on paving project coordination and other priorities.

Justification:

This program reduces the number of emergency repairs and customer complaints by improving the flow quantity and service for customers and fire protection. Water quality is also improved and chlorination is more effective. The distribution system has 458 miles of pipeline with an estimated life of 50 years. To date, 42 miles of pre-1951 cast iron pipe has been rehabilitated by cement mortar lining. There is approximately 48 miles of distribution piping that is older than 50 years that has not been rehabilitated or replaced.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$1,472,500	\$235,000	\$235,000	\$235,000	\$235,000	\$2,412,500
Design	-	-	-	-	-	-
Professional Services	17,500	10,000	10,000	10,000	10,000	57,500
Project Management	15,000	5,000	5,000	5,000	5,000	35,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	338,000	320,500	349,375	379,694	411,528	1,799,097
Miscellaneous	8,000	5,000	5,000	5,000	5,000	28,000
Total Cost	\$1,853,000	\$577,500	\$606,375	\$636,694	\$668,528	\$4,342,097

Water Replacement Trans & Distrib

Project Name: # 322 Cross Connection Control Rehab Program **Department:** Water & Sewer
Funding Source: Water Funded Depreciation **Division:** Water
Project Class: Water Replacement Trans & Distrib **Ward:** 0 MULTIPLE WARDS
Purpose: Repair/Rehabilitation -- Other **Impact Zone:** Not Applicable
Location: 0 City Wide **Priority:** Priority 1 - Imperative (Must Do)

Description:

This is to develop a robust cross-connection control program to protect the finished water in the distribution system and comply with all State and Federal requirements. This on-going program is audited every three years as a part of the State Sanitary Inspection.

Justification:

Colorado Department of Public Health and Environment and the Environmental Protection Agency require the City to perform a survey of the distribution system to identify all existing and potential hazardous cross-connections. The required commercial and industrial survey has been completed and the current compliance phase will address the non-compliant items found during the survey phase. A pilot program will be conducted in 2010 to determine effective methods of gaining compliance from customers. A consultant will be hired for 2011-2013 to complete the compliance phase. After 2013, the program requirements will be maintained by a consultant with data input by existing staff.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$20,000	\$20,000	\$-	\$-	\$-	\$40,000
Design	-	-	-	-	-	-
Professional Services	130,900	139,170	56,228	59,039	61,991	447,328
Project Management	1,000	1,000	-	-	-	2,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	12,500	12,500	-	-	-	25,000
Total Cost	\$165,400	\$173,670	\$56,228	\$59,039	\$61,991	\$516,328

Water Construction Trans & Distrib

Project Name: # 342 Instrumentation And Control
Funding Source: Water Funded Depreciation
Project Class: Water Construction Trans & Distrib
Purpose: Repair/Rehabilitation -- Other
Location: 8 Outside City

Department: Water & Sewer
Division: Transmission & Distribution
Ward: 5 OUTSIDE CITY
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

This is for the replacement and refurbishment of instruments and control systems, including SCADA (Supervisory Control and Data Acquisition). These devices are used to measure and record various chemicals and to record data required by regulation. This is an on-going project.

Justification:

Instrumentation and controls wear out or become obsolete over time, requiring replacement or major refurbishment. Refurbishment typically occurs at the facilities of the local supplier or manufacturer. City instrumentation technicians perform the replacement projects. This account includes instruments at all water facilities and pipelines.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000
Design	43,000	47,595	52,420	57,486	62,805	263,306
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	16,000	16,000	16,000	16,000	16,000	80,000
Miscellaneous	2,900	2,900	2,900	2,900	2,900	14,500
Total Cost	\$91,900	\$96,495	\$101,320	\$106,386	\$111,705	\$507,806

Water Replacement Trans & Distrib

Project Name: # 705 Bellvue Water Treatment Plant General Rehabilitation	Department: Water & Sewer
Funding Source: Water Funded Depreciation	Division: Treatment & Supply
Project Class: Water Replacement Trans & Distrib	Ward: 5 OUTSIDE CITY
Purpose: Repair/Rehabilitation -- Other	Impact Zone: Not Applicable
Location: 8 Outside City	Priority: Priority 2 - Essential (Should Do)

Description:

This is an annual project for the rehabilitation of buildings, HVAC systems (heating/ventilation/air conditioning), pumps and motors, electrical upgrades, chemical storage, metering, valves, and compressors, etc.

Justification:

These items will help to maintain operational reliability, effectiveness, and improve efficiency for continued compliance with Federal and State regulations and fulfill the Water & Sewer department mandates.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$35,000	\$-	\$38,600	\$-	\$42,600	\$116,200
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	2,500	2,000	3,050	2,300	3,100	12,950
Capital	-	21,000	-	23,000	-	44,000
Contingency	-	-	-	-	-	-
Operating	10,000	12,601	17,701	19,576	27,430	87,308
Miscellaneous	7,625	8,517	12,725	13,700	13,900	56,467
Total Cost	\$55,125	\$44,118	\$72,076	\$58,576	\$87,030	\$316,925

Water Replacement Trans & Distrib

Project Name: # 341 Boyd Water Treatment Plant General Rehab	Department: Water & Sewer
Funding Source: Water Funded Depreciation	Division: Treatment & Supply
Project Class: Water Replacement Trans & Distrib	Ward: 5 OUTSIDE CITY
Purpose: Repair/Rehabilitation -- Other	Impact Zone: Not Applicable
Location: 8 Outside City	Priority: Priority 1 - Imperative (Must Do)

Description:

This project consists of replacing chemical feed pumps, high service pump overhauls, electrical switchgear components, grounds rehabilitation, sedimentation basin chain & flight components, and other mechanical items.

Justification:

These items will help maintain operational reliability, effectiveness, and improve efficiency for continued compliance with Federal and State regulations. They will also help to fulfill Water and Sewer department mandates.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$5,000	\$-	\$5,000	\$-	\$5,000	\$15,000
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	5,530	3,050	5,600	3,350	5,700	23,230
Capital	64,785	39,968	77,211	47,212	89,035	318,211
Contingency	-	-	-	-	-	-
Operating	20,000	15,000	30,000	15,000	25,000	105,000
Miscellaneous	15,266	5,775	16,600	12,005	13,000	62,646
Total Cost	\$110,581	\$63,793	\$134,411	\$77,567	\$137,735	\$524,087

Water Replacement Trans & Distrib

Project Name: # 174 Ancillary System Improvements
Funding Source: Water Funded Depreciation
Project Class: Water Replacement Trans & Distrib
Purpose: Repair/Rehabilitation -- Other
Location: 0 City Wide

Department: Water & Sewer
Division: Transmission & Distribution
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

This item provides contributions to assessments for capital repairs of irrigation ditches of which the City is part owner.

Justification:

As a part owner of various irrigation ditches, the department has the responsibility to participate in the cost and maintenance of aging ditch and lateral infrastructure.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$228,000	\$243,750	\$260,288	\$277,652	\$295,884	\$1,305,574
Design	44,000	44,000	44,000	44,000	44,000	220,000
Professional Services	-	-	-	-	-	-
Project Management	25,000	25,000	25,000	25,000	25,000	125,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	18,000	18,000	18,000	18,000	18,000	90,000
Total Cost	\$315,000	\$330,750	\$347,288	\$364,652	\$382,884	\$1,740,574

Water Replacement Trans & Distrib

Project Name: # 71 Fire Hydrant Replacement
Funding Source: Water Funded Depreciation
Project Class: Water Replacement Trans & Distrib
Purpose: Repair/Rehabilitation -- Other
Location: 0 City Wide

Department: Water & Sewer
Division: Transmission & Distribution
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

This program will replace substandard fire hydrants and applicable branch piping, gate valves and asphalt. It will also provides for asphalt and street repairs due to damage caused by water truck loading at hydrants. This is an on-going project.

Justification:

The Water staff and Fire department personnel identify approximately ten units for replacement each year. Labor for replacing and performing hydrant maintenance on hydrants is charged to the operating account. The system has 3,200 hydrants with an expected service life of 50 years.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000	\$155,000
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	34,500	37,980	41,634	45,471	49,499	209,084
Miscellaneous	4,100	4,100	4,100	4,100	4,100	20,500
Total Cost	\$69,600	\$73,080	\$76,734	\$80,571	\$84,599	\$384,584

Water Replacement Trans & Distrib

Project Name: # 72 Valve Replacement	Department: Water & Sewer
Funding Source: Water Funded Depreciation	Division: Transmission & Distribution
Project Class: Water Replacement Trans & Distrib	Ward: 0 MULTIPLE WARDS
Purpose: Repair/Rehabilitation -- Other	Impact Zone: Not Applicable
Location: 0 City Wide	Priority: Priority 2 - Essential (Should Do)

Description:

This project replaces inoperable valves. The life expectancy varies from twenty-five to fifty years depending on valve size and maintenance/operation. This is an on-going project.

Justification:

The replacement program ensures that system valves are able to be located, in operating condition and are in the correct operating position (open or closed). Replacement valves are obtained through the Transmission/Distribution division's inventory budget. During cement mortar lining (CML) construction years, the valves in the project area are replaced using this account. Approximately 925 hours (\$20,200) per year is spent on valve turning and the labor cost is charged to the operating budget. The system has approximately 8,500 valves.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$50,000
Design	-	-	-	-	-	-
Professional Services	1,500	1,500	1,500	1,500	1,500	7,500
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	86,200	91,160	96,368	101,836	107,578	483,142
Miscellaneous	1,500	1,500	1,500	1,500	1,500	7,500
Total Cost	\$99,200	\$104,160	\$109,368	\$114,836	\$120,578	\$548,142

Water Replacement Trans & Distrib

Project Name: # 68 Transmission System Rehabilitation	Department: Water & Sewer
Funding Source: Water Funded Depreciation	Division: Water
Project Class: Water Replacement Trans & Distrib	Ward: 5 OUTSIDE CITY
Purpose: Repair/Rehabilitation -- Transmission Lines	Impact Zone: Not Applicable
Location: 8 Outside City	Priority: Priority 2 - Essential (Should Do)

Description:

This project funds all types of rehabilitation or replacement of the transmission system. Projects may include the protection of pipe joints, pipe replacement, cathodic protection, lining of pipe, minor upgrades, and repairs to piping for protection prior to impending development. This is an on-going project utilizing in-house construction.

Justification:

Rehabilitation projects will maintain and protect assets worth over \$105,000,000 (replacement value) and restore and prolong the useful life of the 138 miles of older pipeline. Bellvue's pipeline was constructed between 1923-1969 with 31 miles that have been rehabilitated by cement mortar lining or swedge lining. The Boyd lines were constructed in 1967 and 1973. The rehabilitation schedule will be adjusted to meet the most pressing priority. The Boyd Lake 27 inch steel pipeline (1967) has been identified as requiring rehabilitation of the pipe joints. Slip lining the 27" and 34" estimated cost is \$170 and \$190 respectively per linear foot of pipe.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$25,000	\$27,755	\$30,648	\$577,753	\$1,914,810	\$2,575,966
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	25,000	25,000	25,000	25,000	25,000	125,000
Miscellaneous	5,100	5,100	5,100	5,000	5,000	25,300
Total Cost	\$55,100	\$57,855	\$60,748	\$607,753	\$1,944,810	\$2,726,266

Water Replacement Trans & Distrib

Project Name: # 380 Chlorine Scrubber Rehabilitation	Department: Water & Sewer
Funding Source: Water Funded Depreciation	Division: Water
Project Class: Water Replacement Trans & Distrib	Ward: 0 MULTIPLE WARDS
Purpose: Repair/Rehabilitation -- Other	Impact Zone: Not Applicable
Location: 8 Outside City	Priority: Priority 1 - Imperative (Must Do)

Description:

This item provides funds for rehabilitation of chlorine scrubbers at Bellvue and Boyd water treatment plants that must be completed every three years. The scrubbers will be retired by 2015.

Justification:

The chlorine scrubbers are devices that neutralize chlorine gas which has the potential to accidentally escape from the one ton cylinders. It is the manufacturer's recommendation that scrubbers be rehabilitated every three years by replacing the caustic soda and flushing the device with acid and water. The scrubbers are part of our mandatory Risk Management Plan which is accountable to the Environmental Protection Agency. The rehabilitation is contracted to the manufacturer's representative to ensure proper cleaning and replacement parts. Boyd is scheduled for 2012 and Bellvue 2013.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	30,900	32,445	-	-	-	63,345
Total Cost	\$30,900	\$32,445	\$-	\$-	\$-	\$63,345

Water Replacement Supply

Project Name: # 188 Capital Outlay Replacement-Water
Funding Source: Water Funded Depreciation
Project Class: Water Replacement Supply
Purpose: Repair/Rehabilitation -- Other
Location: 0 City Wide

Department: Water & Sewer
Division: Water
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

This is for the replacement of the following rolling stock: pickups, tractor backhoes, loaders, compressors, dump trucks, and other identified replacement capital items.

Justification:

This will replace rolling stock that has reached the end of its economic life. This will help maintain the equipment's ability to perform daily tasks and handle emergency calls.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	102,500	275,625	289,406	303,877	319,070	1,290,478
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	175,000	-	-	-	-	175,000
Total Cost	\$277,500	\$275,625	\$289,406	\$303,877	\$319,070	\$1,465,478

Water Replacement Supply

Project Name: # 425 Non-potable Replacement Rehabilitation	Department: Water & Sewer
Funding Source: Water Funded Depreciation	Division: Treatment & Supply
Project Class: Water Replacement Supply	Ward: 0 MULTIPLE WARDS
Purpose: Repair/Rehabilitation -- Other	Impact Zone: Not Applicable
Location: 0 City Wide	Priority: Priority 2 - Essential (Should Do)

Description:

This item funds replacement or rehabilitation of non-potable pumps, piping, ponds, and related equipment. This is an on-going project.

Justification:

Efficient economic operation of this program requires ongoing rehabilitation and replacement of features such as pumps, motors, controls, Supervisory Control and Data Acquisition (SCADA) equipment, pressure reducing valves, buildings and piping. In 2012, two pumps are scheduled for rebuilding.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$30,700	\$31,700	\$31,500	\$44,250	\$21,050	\$159,200
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	38,550	42,850	39,323	46,004	45,780	212,507
Miscellaneous	5,250	5,250	5,250	5,250	5,250	26,250
Total Cost	\$74,500	\$79,800	\$76,073	\$95,504	\$72,080	\$397,957

Water Replacement Trans & Distrib

Project Name: # 65 Treated Water Reservoir Rehabilitation	Department: Water & Sewer
Funding Source: Water Funded Depreciation	Division: Water
Project Class: Water Replacement Trans & Distrib	Ward: 0 MULTIPLE WARDS
Purpose: Repair/Rehabilitation -- Other	Impact Zone: Not Applicable
Location: 0 City Wide	Priority: Priority 2 - Essential (Should Do)

Description:

This project will fund the required rehabilitation of the treated water reservoirs. The projects may include pumps, motors, structural issues, floating covers, asphalt driveways, and other miscellaneous reservoir related rehabilitation requirements. This is an on-going project.

Justification:

Concrete reservoirs require structural maintenance approximately every 20 years. Gold Hill was constructed in 1979 and extensive repairs have been performed. Mosier Hill was constructed in 1963 and has not incurred any major structural repair. Reservoir #4 at 23rd Ave was constructed in 1972 with no repair work being performed to date. Mosier Hill has two pump stations which include seven pumps with various size motors and control valves. The 2012 projects will be for pump and motor rehabilitation at Mosier Hill.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$10,000	\$85,000	\$10,000	\$10,000	\$79,000	\$194,000
Design	15,000	15,000	15,000	15,000	15,000	75,000
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	18,000	29,498	27,929	30,875	49,143	155,445
Contingency	-	-	-	-	-	-
Operating	5,000	5,950	5,000	5,000	5,000	25,950
Miscellaneous	5,000	1,000	1,000	1,000	1,000	9,000
Total Cost	\$53,000	\$136,448	\$58,929	\$61,875	\$149,143	\$459,395

Water Replacement Supply

Project Name: # 555 Chlorine System Replacement
Funding Source: Water Funded Depreciation
Project Class: Water Replacement Supply
Purpose: Repair/Rehabilitation -- Other
Location: 8 Outside City

Department: Water & Sewer
Division: Treatment & Supply
Ward: 5 OUTSIDE CITY
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

This is to replace the existing gaseous chlorine disinfection system at the two water treatment plants with sodium hypochlorite.

Justification:

Congress and the Environmental Protection Agency (EPA) have identified gaseous chlorine as a security safety issue and in the future may require that another disinfection chemical be used. Converting to sodium hypochlorite will eliminate danger to both employees and citizens in the surrounding area. Boyd will be converted in 2013 and Bellvue in 2014.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$688,100	\$599,038	\$-	\$-	\$1,287,138
Design	-	50,000	43,000	-	-	93,000
Professional Services	-	1,000	1,000	-	-	2,000
Project Management	-	35,000	30,000	-	-	65,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	5,000	5,000	-	-	10,000
Miscellaneous	-	-	-	-	-	-
Total Cost	\$-	\$779,100	\$678,038	\$-	\$-	\$1,457,138

Water Replacement Trans & Distrib

Project Name: # 841 Cache la Poudre River Turnout Rehabilitation	Department: Water & Sewer
Funding Source: Water Funded Depreciation	Division: Treatment & Supply
Project Class: Water Replacement Trans & Distrib	Ward: 5 OUTSIDE CITY
Purpose: Repair/Rehabilitation -- Other	Impact Zone: Not Applicable
Location: 8 Outside City	Priority: Priority 2 - Essential (Should Do)

Description:

Restoration of the existing Bellvue WTP Poudre River turnout ogee weir. Work to include care of water, surface preparation, application of cementitious material to rebuild the eroded surface, and application of a sealer on the new surface. Replace the existing trash rack in the intake structure.

Justification:

The existing concrete structure is over 60 years old. The constant water flow and freeze/thaw cycles over the years have eroded the surface leaving only the large aggregate exposed over the entire ogee surface. The concrete will continue to deteriorate over time which may lead to large spalled areas. The intake trash rack was replaced in 1964. Corrosion and erosion of the rack and mounting system will ultimately lead to failure of the trash rack allowing debris to enter the three raw water lines. This may plug the valves and reduce the flow in the lines.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$363,538	\$-	\$-	\$363,538
Design	-	-	22,500	-	-	22,500
Professional Services	-	-	25,300	-	-	25,300
Project Management	-	-	20,000	-	-	20,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	10,000	-	-	10,000
Total Cost	\$-	\$-	\$441,338	\$-	\$-	\$441,338

Water Replacement Trans & Distrib

Project Name: # 839 Hourglass Reservoir Outlet Gates Rehabilitation

Department: Water & Sewer

Funding Source: Water Funded Depreciation

Division: Treatment & Supply

Project Class: Water Replacement Trans & Distrib

Ward: 5 OUTSIDE CITY

Purpose: Repair/Rehabilitation -- Other

Impact Zone: Not Applicable

Location: 8 Outside City

Priority: Priority 2 - Essential (Should Do)

Description:

Replace the Hourglass Reservoir outlet gates, operator shafts, actuators, trash rack, and structure.

Justification:

The outlet structure was constructed in 1965. The fine sand has worn the gate seats, shaft threads, and actuator gears making it increasingly difficult to open and close the gates. The trash rack has had significant corrosion/erosion necessitating spot repairs for continued functional use. Continuing deterioration of the equipment will eventually render them inoperable. This work will restore reliability to the outlet works.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$5,000	\$426,947	\$-	\$431,947
Design	-	-	28,444	-	-	28,444
Professional Services	-	-	-	-	-	-
Project Management	-	-	1,600	20,000	-	21,600
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	4,000	-	4,000
Miscellaneous	-	-	2,000	4,000	-	6,000
Total Cost	\$-	\$-	\$37,044	\$454,947	\$-	\$491,991

Water Replacement Trans & Distrib

Project Name: # 837 Boyd Lake Filter Media Replacement	Department: Water & Sewer
Funding Source: Water Funded Depreciation	Division: Treatment & Supply
Project Class: Water Replacement Trans & Distrib	Ward: 5 OUTSIDE CITY
Purpose: Repair/Rehabilitation -- Other	Impact Zone: Not Applicable
Location: 8 Outside City	Priority: Priority 2 - Essential (Should Do)

Description:

Project involves the removal of the existing filter media from the filter bays and replacing it with new media.

Justification:

Accepted industry practice is to replace filter media every ten (10) years. The existing media was installed and placed into service in 2000. Replacement of the media will insure adequate filtration to meet Federal and State regulatory statutes.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$503,983	\$-	\$503,983
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	21,000	-	21,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$-	\$-	\$-	\$524,983	\$-	\$524,983

Water Replacement Trans & Distrib

Project Name: # 872 Boyd Water Treatment Plant Tube Settler Replacement. **Department:** Water & Sewer
Funding Source: Water Funded Depreciation **Division:** Treatment & Supply
Project Class: Water Replacement Trans & Distrib **Ward:** 5 OUTSIDE CITY
Purpose: Repair/Rehabilitation -- Other **Impact Zone:** Not Applicable
Location: 8 Outside City **Priority:** Priority 2 - Essential (Should Do)

Description:

This project consists of replacing the existing 24" PVC tube settlers and finger troughs in the sedimentation basin with 8 foot long stainless steel plate settlers and collection trough system .

Justification:

The existing tube settlers were installed in 1998. Exposure to the elements has made the PVC material brittle resulting in damage to the tops of the modules. As the deterioration and damage increases, the effectiveness of the settling modules decreases which will increase partial loading on the filters. This will lead to increased filter back washes decreasing plant effeeciency.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$2,605,407	\$2,605,407
Design	-	-	-	198,136	-	198,136
Professional Services	-	-	-	-	1,000	1,000
Project Management	-	-	-	8,500	75,000	83,500
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$-	\$-	\$-	\$206,636	\$2,681,407	\$2,888,043

Water Replacement

Project Name: # 840 Poudre Ponds Pump Replacement and Repair	Department: Water and Sewer
Funding Source: Raw Water Sales / Rent	Division: Water Resources
Project Class: Water Replacement	Ward: 5 OUTSIDE CITY
Purpose: Repair/Rehabilitation -- Other	Impact Zone: Not Applicable
Location: 8 Outside City	Priority: Priority 2 - Essential (Should Do)

Description:

The 2011 budget is to add a Variable Frequency Drive to the number 1 pump which will allow the pump to pump lower flows. The 2015 budget is for the replace/repair/rehabilitation all 3 pumps and motors at the Poudre Ponds gravel pit. This time period is based on the life expectancy of the pumps and motors

Justification:

The existing facility includes three (3) constant speeds, 5,000 gallon per minute/100 HP pumps. Immediate rehabilitation is necessary to install a Variable-Frequency-Drive (VARIABLE FREQUENCY DRIVE) on one pump to allow pumping of low flows. The VARIABLE FREQUENCY DRIVE will save power costs. Ongoing repair or replacement of these pumps will be necessary to maintain equipment.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$107,915	\$107,915
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	1,000	1,000
Project Management	-	-	-	-	5,000	5,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	10,000	10,000
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	15,000	15,000
Total Cost	\$-	\$-	\$-	\$-	\$138,915	\$138,915





Water Rights Acquisition

	2012	2013	2014	2015	2016	Total
Beginning Balance	\$ 12,982,149	\$ 2,065,556	\$ 8,401,576	\$ 3,296,834	\$ 7,633,825	

Revenue

Bonds/External Loans	-	16,000,000	-	7,000,000	-	23,000,000
Development Fees	-	-	-	-	-	-
Fees & Charges	275,000	275,000	292,194	1,827,407	311,757	2,981,358
Funded Depreciation	-	-	-	-	-	-
Interest on Investments	-	-	-	-	-	-
Intergovernmental Revenue	-	-	-	-	-	-
Miscellaneous	75,200	52,300	58,500	54,700	41,500	282,200
Shared Concrete/Property Owners	-	-	-	-	-	-
Transfers In	3,970,250	4,838,671	10,250,698	12,105,122	11,293,189	42,457,930
Revenue Total	4,320,450	21,165,971	10,601,392	20,987,229	11,646,446	68,721,488

Other Expenditures & Funded Projects

Rank	Priority	Cont #							
			Debt Service	3,970,250	4,838,671	5,250,698	5,640,851	5,828,918	25,529,388
			Miscellaneous	-	-	-	-	-	-
			Rebate Program	-	-	-	-	-	-
			Transfers Out	140,000	144,200	148,526	152,982	157,571	743,279
1	Priority 1 - Imperative	116	Water Acquisition Phase I	56,930	57,930	60,826	63,867	42,721	282,274
2	Priority 2 - Essential (S1581)		Water Acquisition Phase II	10,000,000	9,450,000	9,922,500	10,418,625	10,939,556	50,730,681
3	Priority 2 - Essential (S1584)		Overland Trail	436,863	-	55,125	-	1,291,641	1,783,629
4	Priority 2 - Essential (S1842)		Purchase of Parcel B Poudre Ponds	483,000	339,150	268,459	373,913	346,419	1,810,941
5	Priority 2 - Essential (S1884)		Greeley Irrigation Company Chang	150,000	-	-	-	-	150,000
Other Expenditures/Project Costs Total				15,237,043	14,829,951	15,706,134	16,650,238	18,606,826	81,030,192

Ending Balance	\$ 2,065,556	\$ 8,401,576	\$ 3,296,834	\$ 7,633,825	\$ 673,445
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Unfunded Projects

Rank	Priority	Cont #	Project Name					
Unfunded Projects Total				\$ -	\$ -	\$ -	\$ -	\$ -

Water Rights Acquisition

Project Name: # 116 Water Acquisition Phase I
Funding Source: Raw Water Sales / Rent
Project Class: Water Rights Acquisition
Purpose: New / Enhancement -- Other
Location: 8 Outside City

Department: Water & Sewer
Division: Water Resources
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 1 - Imperative (Must Do)

Description:

The Water Master Plan intends for the City to develop a \$36 million FWA (future water account) and to generally identify the water supplies needed for acquiring 6,000 acre-feet of potable firm yield. The desirable options include building small projects (gravel pits, lower equalizer) to maximize existing water supplies, buying high quality agriculture water rights (Tunnel, Water Supply and Storage Company-WSSC), and firming up existing supplies (Windy Gap). Beginning in 2012, funds will be used to pay for CWCB loan payments for Tunnel Company purchase

Justification:

The future water account (FWA) was envisioned to be sufficient to meet new potable demands through 2020.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	56,930	57,930	60,826	63,867	42,721	282,274
Total Cost	\$56,930	\$57,930	\$60,826	\$63,867	\$42,721	\$282,274

Water Rights Acquisition

Project Name: # 581 Water Acquisition Phase II

Department: Water & Sewer

Funding Source: Raw Water Sales / Rent

Division: Water Resources

Project Class: Water Rights Acquisition

Ward: 5 OUTSIDE CITY

Purpose: New/Enhancement -- Other

Impact Zone: Not Applicable

Location: 8 Outside City

Priority: Priority 2 - Essential (Should Do)

Description:

Greeley needs additional water supplies to fill an Enlarged Seaman Reservoir. Greeley also needs gravel pit storage on the lower Poudre and Big Thompson Rivers to capture reusable effluent. It is estimated that \$90 million is necessary to purchase this water.

Justification:

The Water Master Plan intended for the City to develop a \$36 million Future Water Account (FWA) and to generally identify the water supplies needed for acquiring 6,000 acre-feet of potable firm yield. Supplies identified as being the best fit for the Greeley water system are selling to other utilities at a rate such that when Greeley can generate funds from the CIL they may no longer be available for purchase. Therefore, if the City is going to secure water for its future growth, an active acquisition program should be implemented.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$9,900,000	\$9,350,000	\$9,822,500	\$10,318,625	\$10,839,556	\$50,230,681
Design	-	-	-	-	-	-
Professional Services	85,000	85,000	85,000	85,000	85,000	425,000
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	15,000	15,000	15,000	15,000	15,000	75,000
Total Cost	\$10,000,000	\$9,450,000	\$9,922,500	\$10,418,625	\$10,939,556	\$50,730,681

Water Rights Acquisition

Project Name: # 584 Overland Trail
Funding Source: Water Plant Investment Fees
Project Class: Water Rights Acquisition
Purpose: New/Enhancement -- Other
Location: 8 Outside City

Department: Water & Sewer
Division: Water Resources
Ward: 5 OUTSIDE CITY
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

The Overland Trail Gravel Pits are located in NW Fort Collins. Half of the gravel pits were formerly owned by Lafarge and were purchased by Greeley and the Tri-Districts in 2004. The other half were owned by individual land owners; Greeley and Tri-District staff are negotiating the purchase and necessary easements with the owners. Greeley's storage will be 2343 AF, fully lined and will be used as storage for potable supplies and to meet return flows.

Justification:

The Water Master Plan intends for the City to develop high quality supplies in the Poudre basin to meet water supply needs prior to the expansion of the Milton Seaman reservoir. The desirable options include building small projects such as the Overland Trail to maximize the value of existing water supplies and of purchased supplies in the future.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$436,863	\$-	\$55,125	\$-	\$1,291,641	\$1,783,629
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$436,863	\$-	\$55,125	\$-	\$1,291,641	\$1,783,629

Water Rights Acquisition

Project Name: # 842 Purchase of Parcel B Poudre Ponds Site & Department: Water & Sewer
 Line Parcel B, Poudre Ponds
Funding Source: Water Plant Investment Fees **Division:** Water Resources
Project Class: Water Rights Acquisition **Ward:** 5 OUTSIDE CITY
Purpose: New/Enhancement -- Other **Impact Zone:** Not Applicable
Location: 8 Outside City **Priority:** Priority 2 - Essential (Should Do)

Description:

The exercise of an option to purchase land located south and east of the existing Poudre Ponds site will occur in 2011. The land to the south would then be mined by an outside contractor. The City will pay for dewatering and reclamation. Ultimately, the gravel pit south of the existing Poudre Ponds will be lined increasing storage capacity.

Justification:

This land purchase will allow Greeley to increase its augmentation storage and recreational opportunities at the Poudre Ponds site. Storage provides water required for augmentation and return flow obligations, as required by water court decrees and existing contractual obligations.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$483,000	\$306,150	\$235,459	\$340,913	\$313,419	\$1,678,941
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	33,000	33,000	33,000	33,000	132,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$483,000	\$339,150	\$268,459	\$373,913	\$346,419	\$1,810,941

Water Rights Acquisition

Project Name: # 884 Greeley Irrigation Company Change
Funding Source: Water Plant Investment Fees
Project Class: Water Rights Acquisition
Purpose: New/Enhancement -- Other
Location: 8 Outside City

Department: Water & Sewer
Division: Water Resources
Ward: 0 MULTIPLE WARDS
Impact Zone: Not Applicable
Priority: Priority 2 - Essential (Should Do)

Description:

File water court application, complete engineering and obtain decree for the change of use of unchanged Greeley Irrigation Company shares

Justification:

Ditch shares can only be used for municipal uses including augmentation and replacing return flows if they have been changed in court

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	-	-	-	-	-	-
Professional Services	150,000	-	-	-	-	150,000
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$150,000	\$-	\$-	\$-	\$-	\$150,000





Stormwater Construction

Beginning Balance	2012	2013	2014	2015	2016	Total
	\$ 578,076	\$ 377,168	\$ 385,958	\$ 394,923	\$ 404,067	

Revenue

	Bonds/External Loans	-	-	-	-	-	-
	Development Fees	27,366	27,722	28,082	28,447	28,817	140,434
	Fees & Charges	-	-	-	-	-	-
	Funded Depreciation	-	-	-	-	-	-
	Interest on Investments	2,890	8,789	8,965	9,144	9,327	39,115
	Intergovernmental Revenue	-	-	-	-	-	-
	Miscellaneous	-	-	-	-	-	-
	Shared Concrete/Property Owners	-	-	-	-	-	-
	Transfers In	3,172,781	1,339,315	1,781,368	1,827,265	1,962,111	10,082,840
Revenue Total		3,203,037	1,375,826	1,818,415	1,864,856	2,000,255	10,262,389

Other Expenditures & Funded Projects

Rank	Priority	Cont #							
			Debt Service	-	-	-	-	-	
			Miscellaneous	-	-	-	-	-	
			Rebate Program	-	-	-	-	-	
			Transfers Out	91,715	93,549	95,420	97,329	99,275	
1	Priority 1 - Imperative	218	35th Avenue Best-Way Regional Det	1,500,000	-	-	-	-	
2	Priority 1 - Imperative	805	Gateway Estates 3rd Storm water Dr	923,100	-	-	-	-	
3	Priority 1 - Imperative	798	NPDES Project-10th St & 2nd Ave Wa	300,000	300,000	-	-	-	
4	Priority 2 - Essential (SH	831	10th Street Outfall - 14th Av to 2nd A	-	600,000	1,300,000	1,300,000	1,700,000	
5	Priority 3 - Important	(770	NPDES 8TH ST/21ST AV @ NO 3 DITCH	183,110	-	-	-	-	
6	Priority 3 - Important	(775	NPDES 21 AV @ NO 3 DITCH WATER C	193,720	-	-	-	-	
7	Priority 3 - Important	(776	NPDES 23 AV @ NO 3 DITCH WATER C	-	184,390	-	-	-	
8	Priority 3 - Important	(740	NPDES 5TH ST WATER QUALITY VAULT	-	189,097	-	-	-	
9	Priority 3 - Important	(739	NPDES 2 AV & 16TH ST WATER QUALI	-	-	194,645	-	-	
10	Priority 3 - Important	(773	NPDES 17TH ST @ NO 3 DITCH WATER	-	-	219,385	-	-	
11	Priority 3 - Important	(774	NPDES 19TH ST @ 10 AV WATER QUAL	-	-	-	226,684	-	
12	Priority 3 - Important	(742	NPDES 19TH ST WATER QUALITY VAUL	-	-	-	231,699	-	
13	Priority 3 - Important	(768	NPDES 6TH ST @ POUDDRE RIVER WATE	-	-	-	-	191,653	
14	Priority 2 - Essential (SH	743	NPDES 22nd St & 2nd Av WQV	212,300	-	-	-	-	
Other Expenditures/Project Costs Total				3,403,945	1,367,036	1,809,450	1,855,712	1,990,928	10,427,071

Ending Balance	\$ 377,168	\$ 385,958	\$ 394,923	\$ 404,067	\$ 413,394
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Unfunded Projects

Rank	Priority	Cont #	Project Name					
Unfunded Projects Total				\$ -	\$ -	\$ -	\$ -	\$ -

Stormwater Construction

Project Name: # 218 35th Avenue Best-Way Regional Detention Pond - Phase II **Department:** Public Works
Funding Source: Stormwater Management Fees * **Division:** Stormwater Management
Project Class: Stormwater Construction **Ward:** 4 10 ST NORTH/ 23 AVE WEST
Purpose: New/Enhancement -- Drainage **Impact Zone:** Stormwater - Grapevine
Location: 5 N of 10th St - E of 71st Ave - W of 35th Ave **Priority:** Priority 1 - Imperative (Must Do)

Description:

Design and construction of a new 60 acre feet regional storm water detention pond just north of 4th Street and just west of 35th Avenue. The project is located at the old mined out Best-Way Gravel Pit. Phase I of the project includes a new open channel to drain water off of 4th Street to the pond. Phase II consists of new storm drain lines and inlets on 4th Street from 39th Avenue to 35th Avenue. This new storm drain system will collect storm water off of 4th Street that would otherwise spill over 4th Street into other neighborhoods, and convey this water safely to the new regional detention pond.

Justification:

The new regional detention pond has been recommended by the City's Storm Water Comp Plan completed in 1996 and also by the new Comp Plan Update completed in 2006. The new pond (Phase I construction) will protect the No 3 Ditch and all downstream existing and future development north along the 35th Avenue corridor to the Poudre River. The new conveyance system on 4th Street (Phase II construction) will prevent flooding for residences and businesses along 4th Street and north of the No 3 Ditch. The new pond and conveyance system will also protect the No 3 Ditch from flooding, damage and potential breach of the north dike.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$1,340,000	\$-	\$-	\$-	\$-	\$1,340,000
Design	20,000	-	-	-	-	20,000
Professional Services	-	-	-	-	-	-
Project Management	50,000	-	-	-	-	50,000
Capital	-	-	-	-	-	-
Contingency	80,000	-	-	-	-	80,000
Operating	-	-	-	-	-	-
Miscellaneous	15,000	-	-	-	-	15,000
Total Cost	\$1,500,000	\$-	\$-	\$-	\$-	\$1,500,000

Stormwater Construction

Project Name: # 805 Gateway Estates 3rd Storm water Drainage Improvements **Department:** Public Works
Funding Source: Stormwater Management Fees * **Division:** Stormwater Management
Project Class: Stormwater Construction **Ward:** 3 10 ST SOUTH/ 23 AVE WEST
Purpose: New/Enhancement -- Drainage **Impact Zone:** Stormwater - Ashcroft
Location: 4 S of 10th St - E of 71st Ave - W of 35th Ave **Priority:** Priority 1 - Imperative (Must Do)

Description:

This project consists of the design and construction of a new large 54" diameter storm drain on 31st Street with smaller lateral piping and multiple additional inlets at 42nd Ave and at 43rd Ave Ct which will collect and convey large storm water flows to the existing detention pond at the southwest corner of the Gateway Estates 3rd Subdivision at 47th Ave and 31st St.

Justification:

The need for this project is caused by a design oversight of the Developer and his engineer for the Gateway Estates 3rd Subdivision. City standards require storm water runoff be conveyed to a detention facility before being discharged offsite at no more than a 5 year historic rate. The required stormwater flows are currently not being collected and conveyed, for up to the 100-year storm event, to the detention pond and are causing flooding of homes on the south side of 31st Street.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total:
Construction	\$833,500	\$-	\$-	\$-	\$-	\$833,500
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	30,000	-	-	-	-	30,000
Capital	-	-	-	-	-	-
Contingency	50,000	-	-	-	-	50,000
Operating	-	-	-	-	-	-
Miscellaneous	9,600	-	-	-	-	9,600
Total Cost	\$923,100	\$-	\$-	\$-	\$-	\$923,100

Stormwater Construction

Project Name: # 798 NPDES Project-10th St & 2nd Ave Water Quality Pond **Department:** Public Works
Funding Source: Stormwater Management Fees * **Division:** Stormwater Management
Project Class: Stormwater Construction **Ward:** 1 16 ST NORTH/ 35 AVE EAST
Purpose: New/Enhancement -- Drainage **Impact Zone:** Stormwater - Downtown North
Location: 3 S of 10th St - W of HWY 85 - E of 35th Ave **Priority:** Priority 1 - Imperative (Must Do)

Description:

Some areas of the city, especially the Downtown and North Greeley Basin currently lack any major water quality facilities for storm water prior to release into the Poudre River or the No.3 Ditch. This project will add a planned new storm water quality pond at the north east corner of the 2nd Ave/10th St intersection. The new pond will discharge to the Poudre River just upstream of the US Hwy 85 Bypass bridge, through a staged release outlet structure. The planned new storm water quality pond will provide extended detention for the storm water discharge that presently drains from the 13th St/2nd Ave outfall. In the future this pond will also treat runoff from the proposed 15th St/2nd Ave outfall, the proposed 12th St outfall and the proposed 10th St outfall. To construct this pond will require the relocation of an 18" sanitary sewer and the relocation and bore of the existing 27" sanitary sewer 550 LF under US Hwy 85 Bypass. This project will also require purchasing of about 1.8 acres of land to accommodate the pond. There may also be environmental issues with this site that may need to be addressed.

Justification:

Throughout the Downtown and North Greeley Basin there are numerous storm drains that outfall to either the Poudre River or the No.3 Ditch. These storm drains pick up runoff from very highly urbanized areas that presently drain directly to the river or No.3 Ditch. The extended detention ponds and treatment vaults are intended to remove many of the floatable, settleable solids and petroleum products prior to discharge to the river or the No.3 Ditch.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$-	\$-
Design	300,000	300,000	-	-	-	600,000
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$300,000	\$300,000	\$-	\$-	\$-	\$600,000

Stormwater Construction

Project Name: # 831 10th Street Outfall - 14th Av to 2nd Av

Department: Public Works

Funding Source: Stormwater Management Fees *

Division: Stormwater Management

Project Class: Stormwater Construction

Ward: 1 16 ST NORTH/ 35 AVE EAST

Purpose: New/Enhancement -- Drainage

Impact Zone: Stormwater - Downtown North

Location: 2 N of 10th St - W of HWY 85 - E of 35th Ave

Priority: Priority 2 - Essential (Should Do)

Description:

This project is a large stormwater outfall line on 10th Street from 14th Ave. to 2nd Ave. It starts as a 60 inch diameter concrete pipe and ends as a 4ft x 10 ft reinforce concrete box at the Poudre River. This line replaces a 12 inch line at the upper end and a 48 inch line at the lower end. The line will cross under the Union Pacific Tracks between 6th and 7th Ave. Twenty one new stormwater inlets will be replaced along the route to collect water into the new outfall line.

Justification:

This project was recommended in the 2006 City of Greeley Comprehensive Drainage Plan and should do much to help alleviate flooding along 10th Street in the downtown area.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$1,193,500	\$1,292,500	\$1,600,000	\$4,086,000
Design	-	347,500	-	-	-	347,500
Professional Services	-	200,000	100,000	-	50,000	350,000
Project Management	-	50,000	-	-	50,000	100,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	2,500	6,500	7,500	-	16,500
Total Cost	\$-	\$600,000	\$1,300,000	\$1,300,000	\$1,700,000	\$4,900,000

Stormwater Construction

Project Name: # 770 NPDES 8TH ST/21ST AV @ NO 3 DITCH WATER QUALITY VAULT **Department:** Public Works
Funding Source: Stormwater Management Fees * **Division:** Stormwater Management
Project Class: Stormwater Construction **Ward:** 1 16 ST NORTH/ 35 AVE EAST
Purpose: New/Enhancement -- Drainage **Impact Zone:** Stormwater - Downtown North
Location: 2 N of 10th St - W of HWY 85 - E of 35th Ave **Priority:** Priority 3 - Important (Could Do)

Description:

The 8th Street line collects water from the vicinity of 23rd Avenue and 8th Street and carries it east to the No. 3 Ditch. This project will install a water quality vault on 8th Street prior to the line entering the ditch. The vault will remove floatables, sediment, and oils from the line during lower flows with the majority of the water bypassing the unit during high flows.

Justification:

Throughout the Downtown and North Greeley Basins there are numerous storm drains that outfall to either the Poudre River or the #3 Ditch. These storm drains pick up runoff from very highly urbanized areas that presently drain directly to the river or the #3 Ditch. The extended detention ponds and treatment vaults are intended to remove many of the floatable, settle able solids and petroleum products prior to discharge to the river or the #3 Ditch. This project is one of a list of recommended locations for water quality vaults on the most recent City drainage study performed by Anderson Consulting Engineers.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$121,000	\$-	\$-	\$-	\$-	\$121,000
Design	-	-	-	-	-	-
Professional Services	650	-	-	-	-	650
Project Management	43,600	-	-	-	-	43,600
Capital	-	-	-	-	-	-
Contingency	12,000	-	-	-	-	12,000
Operating	-	-	-	-	-	-
Miscellaneous	5,860	-	-	-	-	5,860
Total Cost	\$183,110	\$-	\$-	\$-	\$-	\$183,110

Stormwater Construction

Project Name: # 775 NPDES 21 AV @ NO 3 DITCH WATER QUALITY VAULT	Department: Public Works
Funding Source: Stormwater Management Fees *	Division: Stormwater
Project Class: Stormwater Construction	Ward: 1 16 ST NORTH/ 35 AVE EAST
Purpose: New/Enhancement -- Drainage	Impact Zone: Stormwater - Downtown North
Location: 3 S of 10th St - W of HWY 85 - E of 35th Ave	Priority: Priority 3 - Important (Could Do)

Description:

The 21st Avenue line collects water from near Maplewood School north to the No. 3 Ditch. This project will install a water quality vault on the 21st Avenue line in Luther Park where the line then enters the No. 3 Ditch. The vault will remove floatables, sediment and oils from the line during low flows with the majority of the water by passing during high flows.

Justification:

Throughout the Downtown and North Greeley Basins there are numerous storm drains that outfall to either the Poudre River or the #3 Ditch. These storm drains pick up runoff from very highly urbanized areas that presently drain directly to the river or the #3 Ditch. The extended detention ponds and treatment vaults are intended to remove many of the floatable, settle able solids and petroleum products prior to discharge to the river or the #3 Ditch. This project is one of a list of recommended locations for water quality vaults on the most recent City drainage study performed by Anderson Consulting Engineers.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$135,000	\$-	\$-	\$-	\$-	\$135,000
Design	-	-	-	-	-	-
Professional Services	150	-	-	-	-	150
Project Management	43,600	-	-	-	-	43,600
Capital	-	-	-	-	-	-
Contingency	13,000	-	-	-	-	13,000
Operating	-	-	-	-	-	-
Miscellaneous	1,970	-	-	-	-	1,970
Total Cost	\$193,720	\$-	\$-	\$-	\$-	\$193,720

Stormwater Construction

Project Name: # 776 NPDES 23 AV @ NO 3 DITCH WATER QUALITY VAULT	Department: Public Works
Funding Source: Stormwater Management Fees *	Division: Stormwater
Project Class: Stormwater Construction	Ward: 1 16 ST NORTH/ 35 AVE EAST
Purpose: New/Enhancement -- Drainage	Impact Zone: Stormwater - Downtown North
Location: 3 S of 10th St - W of HWY 85 - E of 35th Ave	Priority: Priority 3 - Important (Could Do)

Description:

The 23rd Avenue line collects stormwater from as far south as 18th Street. This project will install a water quality vault on the 23 Avenue line in Luther Park just prior to the water being released in to the No. 3 Ditch in Luther Park. The vault will remove floatables, sediment, and oils from the line during low flows with the majority of the water bypassing during high flows.

Justification:

Throughout the Downtown and North Greeley Basins there are numerous storm drains that outfall to either the Poudre River or the #3 Ditch. These storm drains pick up runoff from very highly urbanized areas that presently drain directly to the river or the #3 Ditch. The extended detention ponds and treatment vaults are intended to remove many of the floatable, settle able solids and petroleum products prior to discharge to the river or the #3 Ditch. This project is one of a list of recommended locations for water quality vaults on the most recent City drainage study performed by Anderson Consulting Engineers.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$125,235	\$-	\$-	\$-	\$125,235
Design	-	-	-	-	-	-
Professional Services	-	155	-	-	-	155
Project Management	-	45,125	-	-	-	45,125
Capital	-	-	-	-	-	-
Contingency	-	12,000	-	-	-	12,000
Operating	-	-	-	-	-	-
Miscellaneous	-	1,875	-	-	-	1,875
Total Cost	\$-	\$184,390	\$-	\$-	\$-	\$184,390

Stormwater Repair/Replace

Project Name: # 740 NPDES 5TH ST WATER QUALITY VAULT **Department:** Public Works
Funding Source: Stormwater Management Fees * **Division:** Stormwater Management
Project Class: Stormwater Repair/Replace **Ward:** 1 16 ST NORTH/ 35 AVE EAST
Purpose: New/Enhancement -- Drainage **Impact Zone:** Stormwater - Downtown North
Location: 2 N of 10th St - W of HWY 85 - E of 35th Ave **Priority:** Priority 3 - Important (Could Do)

Description:

The 5th Street line collects stormwater along 5th Street from 8th Avenue to the Poudre River where it dumps in to the river at the 5th Street bridge. Actually there are two lines at the bridge, one line on the north and one on the south side of the bridge. This project will install a water quality vault on the southerly line with a possibility of treating the northerly line as well. The vault will remove floatables, sediment and oils from lower flows. The majority of high flows will bypass the vault.

Justification:

Throughout the Downtown and North Greeley Basins there are numerous storm drains that outfall to either the Poudre River or the #3 Ditch. These storm drains pick up runoff from very highly urbanized areas that presently drain directly to the river or the #3 Ditch. The extended detention ponds and treatment vaults are intended to remove many of the floatable, settle able solids and petroleum products prior to discharge to the river or the #3 Ditch. This project is one of a list of recommended locations for water quality vaults on the most recent City drainage study performed by Anderson Consulting Engineers.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$125,235	\$-	\$-	\$-	\$125,235
Design	-	-	-	-	-	-
Professional Services	-	675	-	-	-	675
Project Management	-	45,125	-	-	-	45,125
Capital	-	-	-	-	-	-
Contingency	-	12,000	-	-	-	12,000
Operating	-	-	-	-	-	-
Miscellaneous	-	6,062	-	-	-	6,062
Total Cost	\$-	\$189,097	\$-	\$-	\$-	\$189,097

Stormwater Repair/Replace

Project Name: # 739 NPDES 2 AV & 16TH ST WATER QUALITY VAULT **Department:** Public Works
Funding Source: Stormwater Management Fees * **Division:** Stormwater
Project Class: Stormwater Repair/Replace **Ward:** 2 16 ST SOUTH/ 23 AVE EAST
Purpose: New/Enhancement -- Drainage **Impact Zone:** Stormwater - Downtown North
Location: 3 S of 10th St - W of HWY 85 - E of 35th Ave **Priority:** Priority 3 - Important (Could Do)

Description:

Stormwater from as far as the railroad to the west and almost to HWY 34 on the south travels through this intersection and continues north to the Poudre River. This project will install a Water Quality Vault here to remove floatables, sediment, and oils from lower flows. The majority of higher flows will bypass the vault. This project will require permission from CDOT as 2nd Avenue is considered to be a frontage road for HWY 85.

Justification:

Throughout the Downtown and North Greeley Basins there are numerous storm drains that outfall to either the Poudre River or the #3 Ditch. These storm drains pick up runoff from very highly urbanized areas that presently drain directly to the river or the #3 Ditch. The extended detention ponds and treatment vaults are intended to remove many of the floatable, settle able solids and petroleum products prior to discharge to the river or the #3 Ditch. This project is one of a list of recommended locations for water quality vaults on the most recent City drainage study performed by Anderson Consulting Engineers.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$144,450	\$-	\$-	\$144,450
Design	-	-	-	-	-	-
Professional Services	-	-	160	-	-	160
Project Management	-	-	46,650	-	-	46,650
Capital	-	-	-	-	-	-
Contingency	-	-	1,400	-	-	1,400
Operating	-	-	-	-	-	-
Miscellaneous	-	-	1,985	-	-	1,985
Total Cost	\$-	\$-	\$194,645	\$-	\$-	\$194,645

Stormwater Construction

Project Name: # 773 NPDES 17TH ST @ NO 3 DITCH WATER QUALITY VAULT **Department:** Public Works
Funding Source: Stormwater Management Fees * **Division:** Stormwater
Project Class: Stormwater Construction **Ward:** 2 16 ST SOUTH/ 23 AVE EAST
Purpose: New/Enhancement -- Drainage **Impact Zone:** Stormwater - Downtown North
Location: 3 S of 10th St - W of HWY 85 - E of 35th Ave **Priority:** Priority 3 - Important (Could Do)

Description:

The 7th Street line collects water from as far east as 13th Avenue and picks up much of the water from the old campus at UNC before entering the No. 3 Ditch near 7th Avenue. This project will install a water quality vault on 7th Street prior to the line entering the ditch. The vault will remove floatables, sediment, and oils from the line during lower flows with the majority of the water bypassing the unit during high flows.

Justification:

Throughout the Downtown and North Greeley Basins there are numerous storm drains that outfall to either the Poudre River or the #3 Ditch. These storm drains pick up runoff from very highly urbanized areas that presently drain directly to the river or the #3 Ditch. The extended detention ponds and treatment vaults are intended to remove many of the floatable, settle able solids and petroleum products prior to discharge to the river or the #3 Ditch. This project is one of a list of recommended locations for water quality vaults on the most recent City drainage study performed by Anderson Consulting Engineers.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$155,350	\$-	\$-	\$155,350
Design	-	-	-	-	-	-
Professional Services	-	-	160	-	-	160
Project Management	-	-	46,650	-	-	46,650
Capital	-	-	-	-	-	-
Contingency	-	-	15,000	-	-	15,000
Operating	-	-	-	-	-	-
Miscellaneous	-	-	2,225	-	-	2,225
Total Cost	\$-	\$-	\$219,385	\$-	\$-	\$219,385

Stormwater Construction

Project Name: # 774 NPDES 19TH ST @ 10 AV WATER QUALITY VAULT

Department: Public Works

Funding Source: Stormwater Management Fees *

Division: Stormwater

Project Class: Stormwater Construction

Ward: 2 16 ST SOUTH/ 23 AVE EAST

Purpose: New/Enhancement -- Drainage

Impact Zone: Stormwater - Downtown North

Location: 3 S of 10th St - W of HWY 85 - E of 35th Ave

Priority: Priority 3 - Important (Could Do)

Description:

This portion of the 19th Street line collects water from as far east as Glenmere Park. This project will install a water quality vault on the 19th Street line near 10th Avenue. The vault will remove floatables, sediment, and oils from the line during lower flows with the majority of the water bypassing the unit during high flows. This unit will be the first treatment step on this line as another vault will be placed adjacent to Jackson Field.

Justification:

Throughout the Downtown and North Greeley Basins there are numerous storm drains that outfall to either the Poudre River or the #3 Ditch. These storm drains pick up runoff from very highly urbanized areas that presently drain directly to the river or the #3 Ditch. The extended detention ponds and treatment vaults are intended to remove many of the floatable, settle able solids and petroleum products prior to discharge to the river or the #3 Ditch. This project is one of a list of recommended locations for water quality vaults on the most recent City drainage study performed by Anderson Consulting Engineers.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$160,520	\$-	\$160,520
Design	-	-	-	-	-	-
Professional Services	-	-	-	165	-	165
Project Management	-	-	-	48,200	-	48,200
Capital	-	-	-	-	-	-
Contingency	-	-	-	15,500	-	15,500
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	2,299	-	2,299
Total Cost	\$-	\$-	\$-	\$226,684	\$-	\$226,684

Stormwater Repair/Replace

Project Name: # 742 NPDES 19TH ST WATER QUALITY VAULT **Department:** Public Works
Funding Source: Stormwater Management Fees * **Division:** Stormwater
Project Class: Stormwater Repair/Replace **Ward:** 2 16 ST SOUTH/ 23 AVE EAST
Purpose: New/Enhancement -- Drainage **Impact Zone:** Stormwater - Downtown North
Location: 3 S of 10th St - W of HWY 85 - E of 35th Ave **Priority:** Priority 3 - Important (Could Do)

Description:

This water quality vault will remove floatables, sediment, and oils from lower flows in the 19th Street line from approximately 10th Avenue east to the No. 3 Ditch. This water quality vault will be installed adjacent to Jackson Field and will require an agreement/easement with UNC to complete as the 19th Street line travels under the grand stands at the field and heads east to the ditch. Construction scheduling will also be difficult to avoid football season, marching band practice and other events.

Justification:

Throughout the Downtown and North Greeley Basins there are numerous storm drains that outfall to either the Poudre River or the #3 Ditch. These storm drains pick up runoff from very highly urbanized areas that presently drain directly to the river or the #3 Ditch. The extended detention ponds and treatment vaults are intended to remove many of the floatable, settle able solids and petroleum products prior to discharge to the river or the #3 Ditch. This project is one of a list of recommended locations for water quality vaults on the most recent City drainage study performed by Anderson Consulting Engineers.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$160,520	\$-	\$160,520
Design	-	-	-	-	-	-
Professional Services	-	-	-	710	-	710
Project Management	-	-	-	48,200	-	48,200
Capital	-	-	-	-	-	-
Contingency	-	-	-	15,500	-	15,500
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	6,769	-	6,769
Total Cost	\$-	\$-	\$-	\$231,699	\$-	\$231,699

Stormwater Construction

Project Name: # 768 NPDES 6TH ST @ POUFRE RIVER
WATER QUALITY VAULT

Department: Public Works

Funding Source: Stormwater Management Fees *

Division: Stormwater

Project Class: Stormwater Construction

Ward: 1 16 ST NORTH/ 35 AVE EAST

Purpose: New/Enhancement -- Drainage

Impact Zone: Stormwater - Downtown North

Location: 2 N of 10th St - W of HWY 85 - E of 35th Ave

Priority: Priority 3 - Important (Could Do)

Description:

This portion of the 6th Street line drains a portion of 6th Street, 4th Avenue and some commercial areas along 4th Avenue. This project will install a water quality vault on the 6th Street line prior to its entering the Poudre River. The vault will remove floatables sediment and oils from the line during lower flows with the majority of the water bypassing the unit during high flows. This project will require an easement to install the vault.

Justification:

Throughout the Downtown and North Greeley Basins there are numerous storm drains that outfall to either the Poudre River or the #3 Ditch. These storm drains pick up runoff from very highly urbanized areas that presently drain directly to the river or the #3 Ditch. The extended detention ponds and treatment vaults are intended to remove many of the floatable, settle able solids and petroleum products prior to discharge to the river or the #3 Ditch. This project is one of a list of recommended locations for water quality vaults on the most recent City drainage study performed by Anderson Consulting Engineers.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$-	\$-	\$-	\$-	\$138,200	\$138,200
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	170	170
Project Management	-	-	-	-	50,000	50,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	1,325	1,325
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	1,958	1,958
Total Cost	\$-	\$-	\$-	\$-	\$191,653	\$191,653

Stormwater Construction

Project Name: # 743 NPDES Project-22nd St & 2nd Av Water Quality Vault
Department: Public Works
Funding Source: Stormwater Management Fees *
Division: Stormwater Management
Project Class: Stormwater Construction
Ward: 0 MULTIPLE WARDS
Purpose: New/Enhancement -- Drainage
Impact Zone: Stormwater-Downtown North
Location: 3 S of 10th St - W of HWY 85 - E of 35th Ave
Priority: Priority 1 - Imperative (Must Do)

Description:

Some areas of the city, especially the Downtown and North Greeley Basin currently lack any major water quality facilities for storm water prior to release into the Poudre River or the No.3 Ditch. This project will add a planned new storm water quality vault. The planned new storm water quality vault will treat the storm water discharge that presently drains to the U.S. 85 Hwy Bypass 24" drain pipe and concrete open channel; north and to the Poudre River.

Justification:

Throughout the Downtown and North Greeley Basin there are numerous storm drains that outfall to either the Poudre River or the No.3 Ditch. These storm drains pick up runoff from very highly urbanized areas that presently drain directly to the river or No.3 Ditch. The extended detention ponds and treatment vaults are intended to remove many of the floatable, settleable solids and petroleum products prior to discharge to the river or the No.3 Ditch.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$155,000	\$-	\$-	\$-	\$-	\$155,000
Design	-	-	-	-	-	-
Professional Services	150	-	-	-	-	150
Project Management	40,000	-	-	-	-	40,000
Capital	-	-	-	-	-	-
Contingency	15,000	-	-	-	-	15,000
Operating	-	-	-	-	-	-
Miscellaneous	2,150	-	-	-	-	2,150
Total Cost	\$212,300	\$-	\$-	\$-	\$-	\$212,300



Stormwater Repair/Replace

Project Name: # 765 System Mains, Inlets, and Culverts
Funding Source: Stormwater Management Fees *
Project Class: Stormwater Repair/Replace
Purpose: Repair/Rehabilitation -- Drainage
Location: 0 City Wide

Department: Public Works
Division: Stormwater Management
Ward: 0 MULTIPLE WARDS
Impact Zone: Stormwater - Central
Priority: Priority 2 - Essential (Should Do)

Description:

There are storm drains, inlets and culverts in all of the City's drainage basins. These improvements, therefore, are located at various locations city wide. Many of these types of improvements are located in the older parts of the city that are in need of repair, replacement or general improvements.

Justification:

Many older grainage facilities are too small to convey adequate quantities of storm water. Many of the older drainage facilities are worn out and/or no longer meet current design standards. These facilities are being replaced on an on-going basis, as funding is available to do so.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$338,760	\$460,000	\$500,000	\$500,000	\$500,000	\$2,298,760
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	153,000	-	-	-	-	153,000
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	8,240	-	-	-	-	8,240
Total Cost	\$500,000	\$460,000	\$500,000	\$500,000	\$500,000	\$2,460,000

Sewer Replacement Collection

Project Name: # 887 1ST STREET STORM LINE
REPLACEMENT 6TH AVE TO POUFRE
PHASE II

Department: Public Works

Funding Source: Stormwater Management Fees *

Division: Stormwater Management

Project Class: Sewer Replacement Collection

Ward: 1 16 ST NORTH/ 35 AVE EAST

Purpose: Repair/Rehabilitation -- Drainage

Impact Zone: Stormwater - Downtown North

Location: 2 N of 10th St - W of HWY 85 - E of 35th Ave

Priority: Priority 1 - Imperative (Must Do)

Description:

PHASE II - REPLACE THE 1ST STREET STORM LINE FROM THE WEST SIDE OF 6TH AVENUE TO THE POUFRE RIVER. DUE TO CHALLENGES WITH LOCATION OF CURRENT LINE CROSSING PRIVATE PROPERTY TO REACH THE RIVER, THE DIVISION PLANS TO MOVE THE OUTFALL APPROXIMATELY 55 FEET TO THE SOUTH. THE LINE WILL BE REPLACED WITH A 24" RCP. THE OUTFALL WILL BE CONCRETE WITH HEAD AND WING WALLS, CUTOFF WALL AND RIPRAP. IN PLANNING AND DESIGN OF FIRST OUTFALL FOUND A SECOND OUTFALL TO THE NORTH THAT IS FAILING AND HAVE ADDED ITS REHAB TO THE PROJECT.

Justification:

PHASE II - THE EXISTING LINE - A 20" WOOD LINE EXTENDS FROM THE WEST SIDE OF 6TH AVE TO APPROXIMATELY 60 FEET WEST OF THE POUFRE WHERE IT WAS REPLACED AT SOME POINT W/ 12" PVC. THE WOOD LINE IS APPROXIMATELY 100 YEARS OLD AND IS MISSING IN AREAS AND HAS NUMEROUS OTHER PROBLEMS. THE 12" PVC AT THE END IS SEVERELY RESTRICTING THE FLOW OF WATER AND IS USUALLY PLUGGED. THE OUTFALL ROUTINELY CAVES IN AND THE END OF THE PVC PIPE IS CRUSHED AND BURIED.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$184,000	\$-	\$-	\$-	\$-	\$184,000
Design	-	-	-	-	-	-
Professional Services	1,650	-	-	-	-	1,650
Project Management	32,000	-	-	-	-	32,000
Capital	-	-	-	-	-	-
Contingency	26,100	-	-	-	-	26,100
Operating	-	-	-	-	-	-
Miscellaneous	150	-	-	-	-	150
Total Cost	\$243,900	\$-	\$-	\$-	\$-	\$243,900

Stormwater Construction

Project Name: # 888 Belair Stormdrain Improvement's Project Phase 2 **Department:** Public Works
Funding Source: Stormwater Utility Fees **Division:** Stormwater
Project Class: Stormwater Construction **Ward:** 3 10 ST SOUTH/ 23 AVE WEST
Purpose: Repair/Rehabilitation -- Drainage **Impact Zone:** Stormwater - 28th Avenue
Location: 3 S of 10th St - W of HWY 85 - E of 35th Ave **Priority:** Priority 1 - Imperative (Must Do)

Description:

This project consists installing approximately 283 LF of 42" RCP across the Family of Christ Church property at the tail end of the Belair Storm drain Improvements Phase 1 project. Other items included in construction are 25.3 SY of concrete trickle channel, 6' manhole, compacted fill, seeding, sod and sprinkler repair.

Justification:

This project is needed once the pipe is installed for Phase I. Currently a small ditch carries what little water the crushed pipe conveys across the church property. Stormwater looked at installing a wider ditch but due to lack of grade, the ditch ran out mid property. By installing a pipe and moving the easement more cover is obtained and we can pipe the water across the church property almost to Levy Park where there is a drainage way to carry the flow.

Impact on Budget:

None

Project Cost Summary

	2012	2013	2014	2015	2016	Five Year Total
Construction	\$80,000	\$-	\$-	\$-	\$-	\$80,000
Design	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-
Project Management	-	-	-	-	-	-
Capital	-	-	-	-	-	-
Contingency	-	-	-	-	-	-
Operating	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Cost	\$80,000	\$-	\$-	\$-	\$-	\$80,000