LETTER OF TRANSMITTAL

TO: Chris Good, City Manager	DATE: 04/03/2013
Daphne Hooper, HR Director	FROM: Shari L. Whalen, P.E.
	RE: Wastewater Budget

- Major increase in the budget items include:

  - Utility service-refuse: With the recent buy-out of Trash-Pros by Waste Management we have seen increases in the costs associated with refuse removal. This budget may decrease as the City negotiates a new franchise agreement with Waste Management.

  - Contract Services-Electrical: As our wastewater treatment plant ages we are seeing an increase in electrical call-outs for repairs and replacements. Our electrical contractors are now charging travel fees and the cost of wire and materials is also increasing.

  - Service-Repair and Maintenance: These funds are dedicated to the service of the aerators at the wastewater plant (30+) and the department's nine (9) lift stations. We no longer have any warranties for our lift stations pumps so any issues that may arise will have to be paid for in full. Last year we had to pull a pump at the Highway 50 lift station and the repair service cost approximately $5,500.00.

  - Minor Equipment: The wastewater department has had a number of equipment failures this last year. After a particularly cold winter we had a number of our portable heaters give out after years of use. Replacing these heaters is very important to the operation of our lift station intakes; frozen wastewater creates back-ups and overflows. This budget also reflects wastewater's proportionate share of GIS equipment including a replacement plotter.

  - E-One R&M: The City is responsible for the repair and maintenance of wastewater E-One systems. These systems are essentially larger versions of garbage disposal systems that are used to convey wastewater away from homes and into the collection system. These miniature pumps require a great deal of maintenance. In addition, the manufacturer has now changed designs and the older models are being replaced with new models rapidly. A new E-One pump is approximately $2500.00/each. We have been averaging about 2-3 replacements a month.

City of Fernley-Public Works Department
595 Silver Lace Blvd Fernley NV 89408
775-784-9910 fax 775-784-9966

- In order to improve our reporting methods and compliance with City Financial policies and procedures, we have modified the way that we are reporting capital equipment purchases and capital improvement project expenses. Capital Equipment purchases of over $5,000.00 and Capital Improvements of over $100,000.00 are depreciated and not shown in the proposed operating budget. They are reflected in the budget summary (below) as Capital Outlay. Public Works has attached a description of these proposed expenses for the Council's information and review.

Budget Summary for Wastewater

Salaries and Wages		$ 363,316.00
Benefits and Taxes		$ 209,373.00
Operating Expenditures	Non-Personnel	$2,242,880.00
Capital Outlay		$1,444,650.00
Total Request		$4,260,219.00

COPY TO: _____

RECEIVED / DATE: _____

City of Fernley-Public Works Department
595 Silver Lace Blvd Fernley NV 89408
775-784-9910 fax 775-784-9966

BUDGET NARRATIVE WORKSHEET

Department or Function	WASTEWATER	Department Number	520-810

Mission Statement:

To provide excellent municipal operation and maintenance of the City's wastewater collection and treatment system in order to maintain and enhance quality of life.

Legal Requirements:

NRS 445A Water Controls, City of Fernley Ordinance Title 9, NDEP Discharge Permit.

Primary Responsibilities:

Operation and maintenance of the City's wastewater collection system including: gravity collection pipes, E-Ones, lift stations, and the wastewater treatment plant.

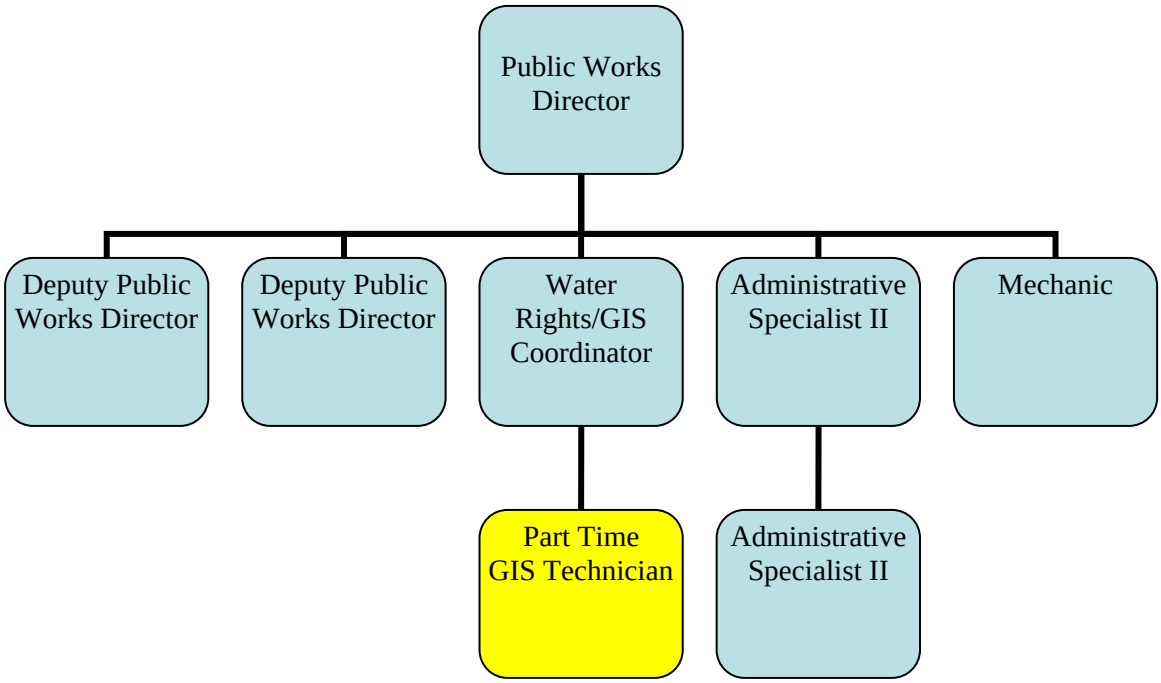
Overall Change in Level of Service:

We are looking at becoming more proactive with our cleaning and flushing program. Currently we are limited by manpower and equipment and, as such, are unable to regularly commit time to cleaning and flushing our gravity lines.

Change in the number of positions from prior fiscal year to the requested fiscal year:

none

PUBLIC WORKS ORG CHART 2013/2014



GOALS, OBJECTIVES, AND WORK PROGRAM
Wastewater

GOAL	Goal #1: To operate and maintain the system.
OBJECTIVE:	Objective #1: To further improve our work and infrastructure tracking.
TASKS:	Task #1: Continue to fund and implement Vueworks software program. Task #2: Implement work order system and complete work orders for E-One repairs and maintenance. Task #3: Identify work tasks or infrastructure that consume inordinate amounts of time or resources and correct the work process to be more efficient or schedule infrastructure for repair, replacement, or rehabilitation.
OBJECTIVE:	Objective #2: To improve the preventative maintenance program for the wastewater system.
TASKS:	Task #1: Further develop schedules for preventative maintenance of lift stations, wastewater plant, and collection system. Task #2: Increase contract services to complete routine maintenance (cleaning and inspection) Task #3: Evaluate equipment and manpower requirements to bring cleaning and inspection in-house.

GOALS, OBJECTIVES, AND WORK PROGRAM
Wastewater

GOAL:	Goal #2: To provide excellent customer service in the field and in the office.
OBJECTIVE:	Objective #1: To provide consistent and timely response to wastewater emergencies.
TASKS:	Task #1: Continue scheduled maintenance of tools and vehicles Task #2: Replace existing tools and vehicles which require excessive maintenance and are unreliable.
OBJECTIVE:	Objective #2: Work on operating procedures with office staff to facilitate better customer service.
TASKS:	Task #1: Identify work processes which are inefficient or unclear Task #2: Develop standard operating procedures for customer call-outs and train with front line staff.

GOALS, OBJECTIVES, AND WORK PROGRAM
Wastewater

GOAL	Goal #3: To improve and enhance our level of service.
OBJECTIVE:	Objective #1 To develop and implement a capital improvement program for the collection system.
TASKS:	Task#1: Continue annual cleaning and inspection program, through outside inspection contractor. Task #2: Identify projects and schedule for repair, replacement, or rehabilitation. Task #3: Schedule project for repair using operating funds. Or establish project scope and estimate and incorporate in capital improvement plan.
OBJECTIVE:	Objective #2 Increase the reliability and operability of our wastewater system in the event of an emergency.
TASKS:	Task #1: Prepare plans and specifications for sludge removal for the wastewater treatment plant Task #2: Prepare plans and specifications for bypass for Highway 50 lift station. Task #3: Oversee completion of the projects.

Fund and Department Number	520-810
Department or Function Name	**SEWER ENTERPRISE**
Prepared by:	Shari Whalen
(A) Base Salary and Wages:	
Position: Exempt	Annual Salary or Wages
Regular Employees over 20 hours	
Waste Water Systems Foreman	45,205
Administrative Specialist I	16,411
Administrative Specialist I	16,411
City Treasurer	35,155
Accountant/Deputy Treasurer	20,435
Administrative Specialist II	14,254
Administrative Specialist II	18,106
City Engineer	19,261
Associate Engineer	22,913
Treatment Plant Operator I	33,322
Treatment Plant Operator II	43,035
Mechanic	15,456
Water Rights/GIS Manager	4,990
GIS - PART TIME	5,650
Subtotal (A1)	310,605
Employees Less than 20 hours per	
Subtotal (A2)	0
Total Base Salary and Wages (A)	310,605
(B) Additional Compensation:	
Estimated Annual Overtime	26,143
Estimated Annual Standby Pay	26,568
Estimated Vacation Payout	
Total Additional Compensation	52,711
Total Salaries and Wages (C)	363,316

Fund and Department Number	520-810		
Department or Function Name	**SEWER ENTERPRISE**		
Prepared by:	Shari Whalen		
Account #	Account Name	Amount	Reference to Detail
5000.1	Salaries and Wages	310,605	
5000.2	Overtime	26,143	0
5000.3	Standby Pay	26,568	0
5000.4	Estimated Vacation	0	Conv. from sick/vac
	Subtotal Salaries/Wages	363,316	A+B+ Vac Est
5100.1	FICA (6.2% X A2)	350	Part Time only
5100.15	Medicare (1.45% X A)	5,268	Total
5100.2	Unemployment (2.65%x26900x#)	4,776	Total
5100.25	Retirement (25.75% X A)	78,526	Base Pay Only
5100.3	Group Insurance ($12,500 X # ees)	81,875	Per Employee
5100.4	Workers Comp (3.85% X	21,578	Total
	OPEB	17,000	
	Subtotal Benefits	209,373	
	Total Salaries & Benefits	572,690	

WASTEWATER OPERATING BUDGET REQUEST		Future	Comments
		FY 2013-2014	
Account Number	**Account Title**	Budget	
	Wastewater		
520-810-310	Prof Serv-Legal	$0.00	
520-810-320	Prof Serv-Engineering	$45,000.00	wastewater portion 30% vueworks implementation $7500/ mapoptix and vueworks licensing 30% $4230/ Peer review, unforseen consultation, etc. $5000/ wastewater model update $25000
520-810-322	Prof Serv-Other	$10,000.00	copier charges
520-810-324	Prof Serv-Environmental		
520-810-325	Prof Serv-PW Inspections		
520-810-328	Prof Serv-Auditing	$20,000.00	
520-810-340	Tech Services-Lab Analysis		
520-810-342	Tech Services-Other		Move to Contract Svc - Analytical
520-810-399	Prof & Tech Fees-Misc		
520-810-410	Utility Services-Water & Sewer		
520-810-412	Utility Service-Refuse	$10,000.00	Trash service
520-810-420	Contract Services		
520-810-423	Contract Services - Analytical	$10,000.00	Arsenic & Misc
520-810-426	Contract Services-Sewer Cleaning & Insp	$35,000.00	Hwy 50 Lift Station $2000/ East Plant $3000
520-810-428	Contract Services-Electrical	$15,000.00	Est. 100 hrs $80 per hour plus travel expenses for pump connection, pull wires, disconnect, trouble shooting, etc.
520-810-429	Contract Services-SCADA	$21,000.00	Programming & Hardware, On Call, Remote Access, Facility Upgrades
520-810-430	Service-Repair and Maintenance	$75,000.00	Preventative Maint $10000/ Pump replacements & rebuilds $22000
520-810-431	Road-Repair and Maintenance	$3,500.00	Access roads $1000/ Repair after sewer fix $2500
520-810-441	Rental	$6,000.00	Crane $3000/ Pump $3000
520-810-444	Interfund Cost Alloc. Build	$33,677.00	
520-810-520	Insurance	$49,842.00	
520-810-530	Communications	$2,676.00	3 phones, one foreman, one lead, one standby, plus air card for laptop
520-810-540	Advertising	$1,000.00	Ads in paper

WASTEWATER OPERATING BUDGET REQUEST		Future	Comments
		FY 2013-2014	
Account Number	**Account Title**	Budget	
520-810-550	Printing and Postage	$30,225.00	15% increase, utility billing/ **GIS printing supplies wastewater portion 30% $225**
520-810-580	Travel and Training	$8,250.00	State Run Free Training Programs eliminated / **GIS travel and training wastwater portion 30% $210**
520-810-581	Dues and Memberships	$500.00	ASCE, APWA proportionate share
520-810-585	Educational Assistance Program	$500.00	Wastewater Educational Classes
520-810-601	Office Supplies	$5,000.00	Copier paper, cartridges, statements & envelopes, general office supplies, **GIS general supplies wastewater portion 30% $32**
520-810-605	Minor Equipment	$20,000.00	Small pumps and electric motors $5000/ Heaters & AC $2000/ Larger tools (drills, sawsall, skill saw, etc) $3000/ **GIS plotter replacement wastewater portion 30% $900**
520-810-610	Automotive Supplies	$10,000.00	Tires $2300/ Plugs & Filters $2000/ Batteries $1600/ Fleet & Heavy Equip oil $1100/ Misc $1000
520-810-612	Janitorial Supplies	$500.00	General janitorial supplies: brooms, mops, cleaners, bleach, etc.
520-810-614	Plant-Shop Maint. Supplies	$32,000.00	9 lift stations, check valves, impellers, seals fittings, paint, gaskets, pipe, filters, bowls, misc $15000/ General supplies fr Lowes, MSC, USA, Fastenal etc $15000/ Wastewater portion of mechanics tools 25% = $2000

WASTEWATER OPERATING BUDGET REQUEST		Future	Comments
		FY 2013-2014	
Account Number	**Account Title**	Budget	
520-810-615	E-One R & M	$75,000.00	New E-ONES units ($2325 each) and repair and maint supplies
520-810-616	Safety Supplies	$1,500.00	Class C Harness & Misc PPE's
520-810-617	Chemical Supplies	$25,000.00	Sodium hypochlorite ($1700 per 1,400 gallons x 12 months)
520-810-619	E-ONE Supplies		
520-810-621	Natural Gas	$3,000.00	Rolling Meadows Backup Pony Motor
520-810-622	Electricity	$136,400.00	9 lift stations, wastewater plant, building
520-810-623	Propane	$3,000.00	Heaters for thawing headworks for stations / Facility weed burning
520-810-625	Bulk Diesel	$10,000.00	Fill bulk tank
520-810-626	Gasoline	$15,000.00	Bulk gas tank, 3 fleet work trucks, crane truck, sm portable equipt
520-810-640	Books and Periodicals	$750.00	AWWA journal updates, USC updates, engineering manuals
520-810-642	Permits and Licenses	$1,000.00	NDEP permit
520-810-699	Misc		
520-810-730	Improvements Other than Buildings	$122,750.00	
520-810-800	Depreciation	$1,070,000.00	
520-810-860	Interest Expense	$334,810.00	
		$2,242,880.00	

CITY OF FERNLEY PUBLIC WORKS AND GENERAL SERVICES
SEWER ENTERPRISE FUND CAPITAL OUTLAY SUMMARY

CAPITAL IMPROVEMENT PROJECTS OVER $100K TOTAL EXPENSE - DEPRECIABLE PER POLICY
FUNDED BY SEWER ENTERPRISE FUND NET ASSETS
*NOT REFLECTED AS A SINGLE LINE ITEM IN PROPOSED OPERATING BUDGET (PART OF DEPRECIATION LINE ITEM)

520-810-800*	**SEWER CAPITAL IMPROVEMENT PROJECTS**	**$**	**1,412,450.00**
	DONNER TRAILS LIFT STATION	$	885,000.00
	EWWTP DRYING BEDS	$	27,450.00
	ZONE 6 REHABILITATION	$	500,000.00

EQUIPMENT OVER $5K TOTAL EXPENSE - DEPRECIATED PER POLICY
FUNDED BY SEWER ENTERPRISE FUND NET ASSETS
*NOT REFLECTED AS A SINGLE LINE ITEM IN PROPOSED OPERATING BUDGET (PART OF DEPRECIATION LINE ITEM)

520-810-800*	**TOTAL SEWER CAPITAL OUTLAY FOR EQUIPMENT**	**$**	**32,200.00**
	4WD UTILITY BED PICK UP (3/4 TON)	$	29,000.00
	TIRE MACHINE AND WHEEL BALANCER (PROPORTIONATE SHARE)	$	1,700.00
	SHOP VENTILATION AND SAFETY IMPROVEMENTS (PROPORTIONATE SHARE)	$	1,500.00

IMPROVEMENTS OTHER THAN BUILDINGS (EXPENSES FUNDED FROM FY13/14 OPERATING REVENUES)
CAPITAL IMPROVEMENT PROJECTS UNDER $100K TOTAL EXPENSE - NOT DEPRECIABLE PER POLICY
FUNDED FROM FY13/14 OPERATING REVENUES AND REFLECTED IN PROPOSED OPERATING BUDGET

520-810-730	**SEWER IMPROVEMENTS OTHER THAN BUILDINGS**	**$**	**122,750.00**
	HARDIE LANE	$	47,750.00
	HWY 50 LIFT STATION HEADWORKS BYPASS	$	75,000.00

CAPITAL IMPROVEMENT PROJECT QUESTIONNAIRE

Project Title	Donner Trails Lift Station Construction
Department Name	Public Works
Prepared By	DWS

1. Project Description and Location:

This project will construct a new lift station at the current Donner Trails Lift Station site. It will also complete the final section of force main required to put the new force main online.

2. Project Justification:

The Donner Trails Lift Station is located at the end of Jessica Lane and serves approximately 800 homes including the new Silverland Intermediate School. Records show that the lift station run time is approximately 7 hours/day and that the lift station can only handle approximately 64 additional ERC's. The proposed improvement would upgrade the lift station and its structures to allow for additional capacity at this location. Additional capacity would allocate sewer service for future customers as well as ensure that the needs of the current customer's are met. Failing to upgrade this structure could result in excessive pump run times, and therefore increased energy usage, as well as high wet well levels and possible overfilling of the wet well.

3. Relationship to Other Programs:

None.

4. Relationship to City Priorities:

Strategic Plan FY11-16 Goal #3 "Preserve and maintain quality of life and enhance maintenance and reconstruction of City infrastructure."

Public Works Goals FY13/14 #3: "Improve and enhance the level of service within Parks and Streets."

5. Impact of the Proposed Project on Other City Departments:

None.

CAPITAL IMPROVEMENT PROJECT QUESTIONNAIRE

6. Estimate of the Capital Cost of the Proposed Project:

Total Cost: $885,000.00 (increased 10% from $840,000.00 to account for possible rising material and labor costs)

7. Planned Sources of Funds for the Proposed Project:

The project will be paid out of wastewater enterprise fund.

8. Operations and Maintenance (O&M) Costs for the Projects:

The O&M costs of the improvements are expected to be minimal since this will be replacing an existing lift station. Any costs will be absorbed by wastewater operating budget.

9. Planned Sources of Funds for Operations and Maintenance Costs:

Wastewater operating budget

10. Additional Comments:

None.

Signature

Date

CAPITAL IMPROVEMENT PROJECT QUESTIONNAIRE

Project Title	EWWTP Sludge Drying Beds and Removal Facilities - Design
Department Name	Public Works
Prepared By	DWS

1. Project Description and Location:

This project will design a sludge removal system and sludge drying beds at the East Wastewater Treatment Plant.

2. Project Justification:

The City was approved for grant funding through the EPA for a project at our wastewater treatment plant. The total grant amount approved was 300,000.00 less 3% for EPA administration fees for a final total of 291,000.00. Given that it is an EPA grant, the project would have to be something that would help to improve environmental conditions at the plant. Staff has decided that the construction of sludge drying beds and sludge pumping and conveyance equipment would be an appropriate project. Sludge accumulates in the ponds over time and generally is removed by pumping and trucking or by completely emptying the pond and cleaning. This approach is very labor and materials intensive. Sludge drying beds would allow Staff to gradually pump sludge into dewatering bags located in the drying beds for removal at a later date. Dewatering bags are replaced every 3-5 years depending on sludge volumes and weather. The drying beds will also give Staff a place to empty the City's vacuum truck.

3. Relationship to Other Programs:

None.

4. Relationship to City Priorities:

Strategic Plan FY11-16 Goal #3 "Preserve and maintain quality of life and enhance maintenance and reconstruction of City infrastructure."

5. Impact of the Proposed Project on Other City Departments:

None.

CAPITAL IMPROVEMENT PROJECT QUESTIONNAIRE

6. Estimate of the Capital Cost of the Proposed Project:

Total Cost of Design: $61,000.00
Total Cost of Construction: $546,900.00

7. Planned Sources of Funds for the Proposed Project:

The project will be paid for by the wastewater enterprise fund and an EPA grant. The funds are broken down as follows:

Project Design: FY 13/14

City Portion: $27,450.00
EPA Portion: $33,550.00

Project Construction: FY 14/15

City Portion: $289,450.00
EPA Portion: $257,450.00

Total Project:

City Portion: $316,900.00
EPA Portion: $291,000.00

8. Operations and Maintenance (O&M) Costs for the Projects:

The initial O&M costs of the improvements are expected to include additional power, chemical, minor equipment, and diesel costs. These will be under $5,000.00 and will be absorbed into the operating budget.

Long term costs of replacing filter bags and repairs to the system as it ages are expected to be over $5,000.00 and will be purchased through capital outlay. These costs will be offset by the savings from not having to contract for expensive sludge removal and disposal.

9. Planned Sources of Funds for Operations and Maintenance Costs:

Wastewater Operating Budget.

CAPITAL IMPROVEMENT PROJECT QUESTIONNAIRE

10. Additional Comments:

None.

Signature

Date

CAPITAL IMPROVEMENT PROJECT QUESTIONNAIRE

Project Title	Zone 6 Replacement and Rehabilitation
Department Name	Public Works
Prepared By	DWS

1. Project Description and Location:

This project will design and construct improvements to portions of the City's wastewater collection system that has been found to be failing.

2. Project Justification:

The wastewater department was approved $30,000.00 in operations funding during the FY 12/13 budget to perform sewer cleaning and inspection with a contractor. The City does not currently own a camera or the necessary equipment to perform the tasks; Council approved the budget increase in lieu of equipment purchases.

Staff utilized a contractor to clean and inspect Zone 6 of the collection system. The zone is located in the Northwest portion of the City and includes Logan Lane, Rancho Mobile Home Park, Front Street, etc. Upon reviewing the inspection video and data, staff has located several areas of the system that are in need of rehabilitation or replacement.

This project will investigate possible solutions and then implement the construction of the improvements

3. Relationship to Other Programs:

None.

4. Relationship to City Priorities:

Strategic Plan FY11-16 Goal #3 "Preserve and maintain quality of life and enhance maintenance and reconstruction of City infrastructure."

5. Impact of the Proposed Project on Other City Departments:

None.

CAPITAL IMPROVEMENT PROJECT QUESTIONNAIRE

6. Estimate of the Capital Cost of the Proposed Project:

Total Cost of Design: $50,000.00
Total Cost of Construction: $450,000.00

7. Planned Sources of Funds for the Proposed Project:

The project will be paid for by the wastewater enterprise fund.

8. Operations and Maintenance (O&M) Costs for the Projects:

The O&M costs of the improvements would be minimal and will be absorbed by operating budget.

9. Planned Sources of Funds for Operations and Maintenance Costs:

Wastewater Operating Budget.

10. Additional Comments:

None.

Signature

Date

CAPITAL OUTLAY LINE ITEM DETAIL

Wastewater

Fund and Department Number	WASTEWATER
Department or Function Name	WASTEWATER
Prepared by:	DEREK STARKEY

Item Description:	Amount
One (1), ¾ ton, 4WD, Utility bed, trucks	$29,000.00
Details:	
The wastewater department currently has one truck that is over 120,000 miles. The truck requires frequent maintenance and is unreliable in the event of a standby emergency call. The department is requesting one truck to replace the oldest truck in the department.	
TOTAL:	Amount
	$29,000.00

CAPITAL OUTLAY LINE ITEM DETAIL
Wastewater

Fund and Department Number	WASTEWATER
Department or Function Name	WASTEWATER
Prepared by:	DEREK STARKEY

Item Description:	Amount
Shop Ventilation Improvements – SAFETY (**$6,000**)	$1,500.00

Details:

The Cottonwood Shop currently is utilized to repair and maintain City Vehicles and Equipment. There are constantly fumes and exhaust within the building from pulling vehicles in and out and working on the equipment. For the safety of the mechanic working on the vehicles and the operations personnel working in the area, a ventilation system is needed to exhaust all of the fumes in the building. Staff will coordinate with contractor(s) to wire the exhaust fans in and have them installed in the walls of the building.

This ventilation improvements will be beneficial to all City Divisions, and has been split as follows:

Streets and Storm Drain:	$1,500
Parks:	$1,500
Water:	$1,500
Sewer:	$1,500

CAPITAL OUTLAY LINE ITEM DETAIL

Wastewater

Fund and Department Number	WASTEWATER
Department or Function Name	WASTEWATER
Prepared by:	DEREK STARKEY

Item Description:	Amount
Tire Machine and Wheel Balancer (**$6,800**)	$1,700.00

Details:

The City has the ability to purchase tires through State Purchasing Contract prices and save money on both the tires and mounting and balancing by performing the work in house. In addition to saving money on the tires, the City will save staff time by mounting and balancing the tires in house.

This equipment will be beneficial to all City Divisions, and has been split as follows:

Streets and Storm Drain:	$1,700
Parks:	$1,700
Water:	$1,700
Sewer:	$1,700

It is estimated that at approximately 15 sets of tires per year plus approximately 20 flats per year, the City will save approximately $1,300 per year not including savings in staff time spent taking vehicles to have tires replaced or flats fixed.

WASTEWATER CAPITAL OUTLAY TOTAL:	Amount
	$32,200.00

CAPITAL IMPROVEMENT PROJECT QUESTIONNAIRE

Project Title	Hardie Lane Wastewater Rehabilitation
Department Name	Public Works
Prepared By	DWS

1. Project Description and Location:

This project will design and construct improvements to portions of the City's wastewater collection system that has been found to be failing.

2. Project Justification:

The City has received multiple grants to reconstruct Hardie Lane. In conjunction with these improvements the wastewater department will replace and upsize portions of the sewer mains beneath the street. Performing the work while the street in being reconstructed in economically and operationally more efficient than as a separate project. The City will realize savings on design and construction by including it into the Hardie Lane Project.

Currently the manholes are in severe disrepair and the lines are unable to be inspected because the lines are near capacity. This area of town is part of the older portion of Fernley and the infrastructure is nearing the end of its useful life.

3. Relationship to Other Programs:

Hardie Lane Roadway design and construction project.

4. Relationship to City Priorities:

Strategic Plan FY11-16 Goal #3 "Preserve and maintain quality of life and enhance maintenance and reconstruction of City infrastructure."

5. Impact of the Proposed Project on Other City Departments:

None.

CAPITAL IMPROVEMENT PROJECT QUESTIONNAIRE

6. Estimate of the Capital Cost of the Proposed Project:

Total Cost of Construction: $47,750.00

7. Planned Sources of Funds for the Proposed Project:

The project will be paid for by the wastewater enterprise fund.

8. Operations and Maintenance (O&M) Costs for the Projects:

The O&M costs of the improvements would be minimal and will be absorbed by operating budget.

9. Planned Sources of Funds for Operations and Maintenance Costs:

Wastewater Operating Budget.

10. Additional Comments:

None.

Signature

Date

CAPITAL IMPROVEMENT PROJECT QUESTIONNAIRE

Project Title	Highway 50 Lift Station Headwork Bypass
Department Name	Public Works
Prepared By	DWS

1. Project Description and Location:

This project will design and construct a bypass for the headworks at the Highway 50 Lift Station.

2. Project Justification:

The Highway 50 lift station collects wastewater from much of the eastern portion of the City, including the golf course area, Desert View Estates, Truckee River Ranch, etc. It then pumps this wastewater directly to the wastewater treatment plant. The lift station was designed with a headworks that includes a bar screen which removes large objects and material from the wastewater stream prior to being pumped to the lift station. If the bar screen were to malfunction in any way, the only option to repairing the equipment and avoiding overflowing the station would be to call a contractor to set up a temporary pumping system around the headworks.

This project will design and construct a simple bypass around the headworks so that Staff may isolate the headwork in the event of an emergency and work on repairing the problem. A similar bypass system is installed at the East Lift Station and is used frequently to isolate the headworks for repair and basic maintenance duties. The project will greatly improve the wastewater division's ability to respond in the event of an emergency.

3. Relationship to Other Programs:

None.

4. Relationship to City Priorities:

Strategic Plan FY11-16 Goal #3 "Preserve and maintain quality of life and enhance maintenance and reconstruction of City infrastructure."

5. Impact of the Proposed Project on Other City Departments:

None.

CAPITAL IMPROVEMENT PROJECT QUESTIONNAIRE

6. Estimate of the Capital Cost of the Proposed Project:

Total Cost of Design: $10,000.00
Total Cost of Construction: $65,000.00

7. Planned Sources of Funds for the Proposed Project:

The project will be paid for by the wastewater enterprise fund.

8. Operations and Maintenance (O&M) Costs for the Projects:

The O&M costs of the improvements would be minimal and will be absorbed by operating budget.

9. Planned Sources of Funds for Operations and Maintenance Costs:

Wastewater Operating Budget.

10. Additional Comments:

None.

Signature

Date

CITY OF FERNLEY
PUBLIC WORKS AND GENERAL SERVICES
CAPITAL IMPROVEMENT PLAN

WASTE WATER SYSTEM FIVE YEAR CAPITAL IMPROVEMENT PLAN	FY13/14	FY14/15	FY15/16	FY16/17	FY17/18
Donner Trails Lift Station Construction	$885,000.00				
EWWTP Sludge Drying Beds and Removal Facilities - Design	$27,450.00				
Zone 6 Replacement and Rehabilitation	$500,000.00				
Highway 50 Bypass for headworks	$75,000.00				
Hardie Lane Design and Construction	$47,750.00				
Enclosure for headworks at East Lift Station		$250,000.00			
EWWTP Sludge Drying Beds and Removal Facilities - Construction		$289,550.00			
East Plant Fire Line and Potable Water Main			$525,000.00		
Farm District Road Force Main Replacement			$620,000.00		
Sewer Main Replacement/Rehabilitation Phase 1				$250,000.00	
Metal storage building/Shop for East Plant				$275,000.00	
Sewer Main Replacement/Rehabilitation Phase 2					$250,000.00
Waste Water Total	**$1,535,200.00**	**$539,550.00**	**$1,145,000.00**	**$525,000.00**	**$250,000.00**

GRANT FUNDING FOR WASTEWATER FUND CAPITAL PROJECTS FY13/14

GRANT FUNDING FOR CAPITAL IMPROVEMENT PROJECTS

520-810-XXX	EPA EWWTP SLUDGE DRYING BEDS AND REMOVAL FACILITIES-DESIGN	$	33,550.00
	TOTAL GRANT FUNDING EXPECTED FOR FY13/14	$	33,550.00