

Box 2157, Los Banos, CA 93635 Phone: 209-826-9696 Fax: 209-826-9698

## **DATE:** October 18, 2017

## T0: OPERATIONS & MAINTENANCE TECHNICAL COMMITTEE Exchange Contractors San Luis Canal Area

Chris White, Chairman & Representative Vacant, Alternate Dan Pope, Representative Bill Pierce, Alternate

Friant Water Users Authority

Chris Hickernell, Representative Eric Wilson, Alternate

## Lower DMC Area

Jeff Bryant, Representative Randy Houk, Alternate

Mendota Pool Area

Danny Wade, Representative Ken Carvalho, Alternate (mail)

**San Felipe Area** Gary Nagaoka, Representative Robert Haskins, Alternate Vacant, Representative Lon Martin, Alternate

SLDMWA Technical Staff

Bob Martin, Representative Paul Stearns, Alternate

**USBR Representative** 

Allen Lindauer, Representative Nader Noori, Alternate

## **Upper DMC Area**

Bobby Pierce, Representative Adam Scheuber, Alternate

**FROM**: Bob Martin (by Cheri Worthy)

Attached for your review in preparation of the **Monday, October 23, 2017, 9:30 a.m.**, O & M Technical Committee meeting are:

- 1) Agenda
- 2) Draft October 17, 2015 Meeting Minutes
- 3) FY19/20 O&M Budget



## Notice of San Luis & Delta-Mendota Water Authority O&M Technical Committee Meeting 842 Sixth Street, Los Banos October 23, 2017 ~ <u>9:30</u> a.m.

## AGENDA

- 1. The O&M Technical Committee Will Consider Corrections or Additions to the Agenda of Items Requiring Immediate Action that Have Come to the Attention of the Committee after Posting the Agenda
- 2. Opportunity for Public Comments

## **ACTION**

- 3. Committee to Consider Approval of O&M Technical Committee October 17, 2016, Meeting Minutes
- 4. Committee to Consider for Approval the O&M Budget Including the Extra-Ordinary, CIP and Routine O & M Budgets for FY19/20 and Preliminary O&M Budget for FY20/21

## **REPORTS**

- 5. Review Status of JPP Unit 6 Rewind Funding
- 6. Review Action Items from Meeting
- 7. Confirm Date, Time, and Location for Next Meeting if Necessary
- 8. Reports Pursuant to Government Code Sec 54954.2
- 9. Adjournment

Persons with a disability may request disability-related modification or accommodation by contacting Cheri, Worthy or Felicia Luna at the San Luis & Delta-Mendota Water Authority Office, 842 6<sup>th</sup> Street, P O Box 2157, Los Banos, California, telephone: 209/826-9696 at least (3 for regular, 1 for special) day(s) before the meeting date.

### DRAFT

## SAN LUIS & DELTA MENDOTA WATER AUTHORITY MINUTES - OPERATIONS & MAINTENANCE TECHNICAL COMMITTEE October 17, 2016

The meeting was called to order at 9:35 a.m. by Committee Chairman Chris White at the Authority's Board Room, 842 6th Street in Los Banos.

### **Committee Members Present**

## **Exchange Contractors**

Chris White, Central California Irrigation District

Chase Hurley, Henry Miller Reclamation District, Alternate

## Friant Water Authority

Chris Hickernell, Friant Water Authority

## Lower DMC Area

Jeff Bryant, Firebaugh Canal Water District

## San Felipe Area

Gary Nagaoka, Santa Clara Valley Water District

## San Luis Canal Area

Bill Pierce, Westlands Water District, Alternate

## SLDMWA

Bob Martin, Engineering & Planning Manager

Paul Stearns, Operations & Maintenance Manager, Alternate

## Upper DMC

Bobby Pierce, West Stanislaus Irrigation District

Adam Scheuber, Del Puerto Water District

## USBR

Allan Lindauer, Reclamation, SCCAO, Tracy Office

## SLDMWA Staff Members Present

Frances Mizuno, Assistant Executive Director

Guy Wamocha, Supervisor of Accounting

Jim Lenhardt, Safety Engineer

## Others Present

None

Corrections or Additions to the Agenda

None

## Opportunity for Public Comment None

## Committee to Consider Approval of September 28, 2015 O & M Technical Committee Meeting Minutes

Bobby Pierce made a motion to approve the minutes as presented, and Chase Hurley seconded the motion. The vote on the motion was follows:

AYE:	White, Hickernell, Nagaoka, Lindauer, Bobby Pierce. Bill Pierce,
	Martin, Bryant.
NOES:	None
ABSTENTIONS:	None

## Committee to Consider or Recommendation to the Finance & Administration Committee Approval of the O&M Budget including the Extra-Ordinary and Routine O & M Budget for FY18/19

Frances Mizuno began the budget discussion by noting that there is an increase in the proposed budget from the current year budget. This increase is mainly due to the need for two new positions at the Los Banos Administration Office and work needed at the O'Neill Plant. She explained the need for these new positions.

Paul Stearns went over the details of the Routine Operation and Maintenance budget. He explained any items that had more than a 5% variance from the FY17 budget and any new equipment or services that were required. Paul also said that there would be some minor changes to the budget as presented due to problems found since the budget was sent to the committee members for review.

There was a call for discussion on the routine budget. There were no questions or comments from the committee on the routine budget.

Bob Martin discussed the Extraordinary Operation and Maintenance budget. He explained that the majority of the budget increase were the costs of the projects associated with the O'Neill Plant repairs, he covered the unexpected PCB and lead disposal costs and the additional work needed to be done by an outside machine shop. Bob then went on to explain each of the EO&M projects in detail. Bob explained that there would be a change to the budget as presented due to last minute adjustments; he discussed that the JPP Exciter Refurbishment project would be included with the upcoming unit rewind project. There were questions from the committee about

#### DRAFT

the arc flash study requirements, the increased material costs at the OPP and the method of maintaining water deliveries during work on the DMC liner. Bob addressed all of the questions.

Jim Lenhardt provided the details of the heavy equipment purchases for FY18 which were a water truck and an excavator. The air resource board requirements were addressed. Chris White questioned the purchase of a spray truck on the FY19 budget; the reason for the spray truck was explained and will be further discussed at the FY19 committee meeting. Jim explained the purchase of each of the pickups or small vehicles. There were no further questions on heavy equipment and vehicles.

Frances Mizuno called for any questions on the entire budget as presented. Chris White and Chris Hinckernell asked Frances to review the reasoning for the new positions again. Following this discussion Chris White called for a vote on the routine and extraordinary budgets as presented, Bill Pierce motioned to approve the budget as presented, Bobby Pierce seconded the motion.

AYE:	White, Hickernell, Nagaoka, Lindauer, Bobby Pierce, Bill Pierce,
	Martin, Bryant
NOES:	None
ABSTENTIONS:	None

Chris White asked Bob Martin to review the planned EO&M projects for FY19.

## Committee to discuss the upcoming rewind work for Tracy Unit 6

Frances Mizuno addressed the possible funding options and USBR involvement of the upcoming rewind of Tracy Unit 6 as the financing for this project is not yet in place, she discussed the possibility of USBR RAX funding and explained how the repayment of RAX funds has changed, she stated that there is a possibility of having to add the rewind cost of approximately 4 million dollars to the FY18 budget for the work on Tracy Unit 6. Various possible funding options for the future rewinds of the remaining Tracy Units were discussed. She is hoping to have answers on the budget issues of the rewind before the meeting of the Finance and Administration Committee. Chris White summarized that it is the opinion of the committee to support the rewind projects as scheduled by whatever means are necessary.

## **Review Actions Items from Meeting**

There were no action items from the meeting

## Confirm Date, Time, and Location for Next Meeting

Committee will not convene again until April 2017 or later.

## DRAFT

## Reports Pursuant to Government Code Sec 54954.2

No Reports Given

Adjournment The meeting was adjourned

## San Luis & Delta Mendota Water Authority

## Operations and Maintenance Budget FY19

## TO: OPERATIONS & MAINTENANCE TECHNICAL COMMITTEE

Chris White, Chairman Bobby Pierce Jeff Bryant Allen Lindauer & Designated alternates Gary Nagaoka Dan Pope Chris Hickernell Danny Wade

- FROM: Paul Stearns, Operations & Maintenance Manager
- DATE: October 23, 2017

## SUBJECT: Approval of Proposed Fiscal Year 2019 and Preliminary Fiscal Year 2020 Operations & Maintenance Budget

The attached budget packet details the proposed FY19 and preliminary FY20 O&M Budgets. This memo also provides a summary of the major changes between the proposed FY19 and the FY18 Total O&M Budgets.

The FY18 approved budget included the new positions of Supervisor of Operational Accounting and HR Analyst II. Both of those positions have been filled along with several vacancies in the Plant Maintenance and Civil Maintenance departments. Authority staffs have made great strides in catching up on backlogged work due to the several years of drought, reduced water supplies and subsequent reduced budgets and staffing. Staff also completed the major rehabilitation of O'Neill Unit 6 main unit components and penstock coating, and currently in the process of the O'Neill Unit 1 rehabilitation.

The proposed FY19 Total O&M Budget is \$21,746,223 compared to the FY18 budget of \$21,921,270, for an overall decrease of -0.80%. The total proposed self-funded portion paid by the water users is \$15,604,718 which is a decrease of -0.53% from the FY18 budget. The RO&M portion of the budget increased by 4.38%. The EO&M portion of the budget decreased by -16.10% and the Capital Improvement Projects (CIP-USBR Funded) decreased by 1.78%.

## Adjusted Routine O&M (RO&M) Budget increase of 4.38% or \$542.1K

## Salaries and Related Expenses (\$333.5K increase)

- Salary increase placeholder of 3% (\$209.4K increase)
- More labor budgeted for EO&M/CIP projects (\$71.0K decrease)
- Deputy General Counsel position (35% DMC, \$52.5K increase)
- Net step increases/retirements (\$30.3K increase)
- Increase in payroll cost (\$112.3K increase)

## Parts, Materials and Services (\$196.0K increase)

- Small Tools increased \$11.0K.
  - Tools will be purchased and stationed at the DCI. There is currently a 'borrowed' tool box from the Electric Shop at DCI with a very limited selection of tools. Having a well stocked tool box will eliminate the need for crews to haul tools to the plant and will also allow for crews to travel straight to the plant during call-outs.
  - The O'Neill Plant has a tool box on each floor with tools that cater to the specific components on that floor. Over the years, these tools have been lost, broken, or worn out to the point they need to be replaced.
  - The Electricians and C&I's are in need of several multi-meters to replace the ones that no longer work or have limited functions.
- Engineering Consultant increased \$25.0K.
  - Reclamation has scheduled R, O&M inspections of the facilities in FY19 which require the Authority to pay for Reclamation's cost for the inspections.
- Auditing decreased \$18.0K
  - Two scheduled for FY19, three were completed in FY18
- Other Professional Services decreased \$23.9K.
  - Reduced need for consulting services for the SLTP.
- Other Services and Expenses increased \$16.0K
  - Increased costs for job announcements and board committee expenses
- Travel increased \$19K
  - Travel related to training for two new apprentices in FY19
- Rents/Leases Vehicles/Construction Equipment increased \$65K.
  - Long-reach excavator rental needed to continue erosion repairs and drain inlet clean-out on areas of the DMC that are unreachable with our standard excavator. Substantial erosion repairs and clean-out of the wasteways are needed to ensure the safe passage of water in the event of releases from the DMC. The Westley and Newman Wasteways suffered significant damage from the high river flows this past winter.
- Outside Services for equipment and vehicles decreased \$7.0K.
  - Reduced need due to new equipment in fleet.
- Parts and materials increased by \$33.7K.
  - Turnout gate replacement: Gates that were replaced 20 years ago are starting to fail and staff has replaced 24 so far in FY18. We anticipate replacing more in FY19.
  - Jones Unit Control Panels: Purchase and install human-machineinterface (HMI) displays on units 2-5. Unit 1 completed in FY18

- Outside Services for Buildings/grounds/machinery/equipment increased \$67.8K
  - Increase for dive services to replace turnout gates. Turnout cover can only be used at low flow and where imperfections in the concrete liner don't hamper the ability to seal.
  - HVAC repairs: Units are aging and requiring more service.
  - Machine Shop Equipment: Lathes, drill presses, and mills will need service by qualified service provider to ensure reliability and precision.
- Network Communications increased \$7.9K
  - Upgrade of data service after fiber installation at TFO

## **Insurance Premiums and Fees** (\$5.1K increase)

- ACWA JPIA increase for liability insurance

## Equipment/Capital Asset Purchases (\$9.3K increase)

- Computer Hardware increase of \$1.8K. (add one laptop for C&I Tech)
- New/Replacement Equipment increase of \$7.5K. (Purchase small tilt trailer and box scraper.)

## **Indirect Charges**

• No significant change in Indirect Charges

## Extra-Ordinary O&M (EO&M)

EO&M projects budget decreased by 16.10%, approximately \$616K. However, the in-house labor/benefits associated with the EO&M Projects increased by \$139,806.

## Capital Improvement Projects (CIP) (USBR Funded)

CIP Project budget decreased by 1.78% (\$101,626). CIP in-house labor decreased by \$11,028.

#### SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

#### FY2018 APPROVED, PROPOSED FY2019 & PRELIMINARY FY2020 TOTAL BUDGET SUMMARY

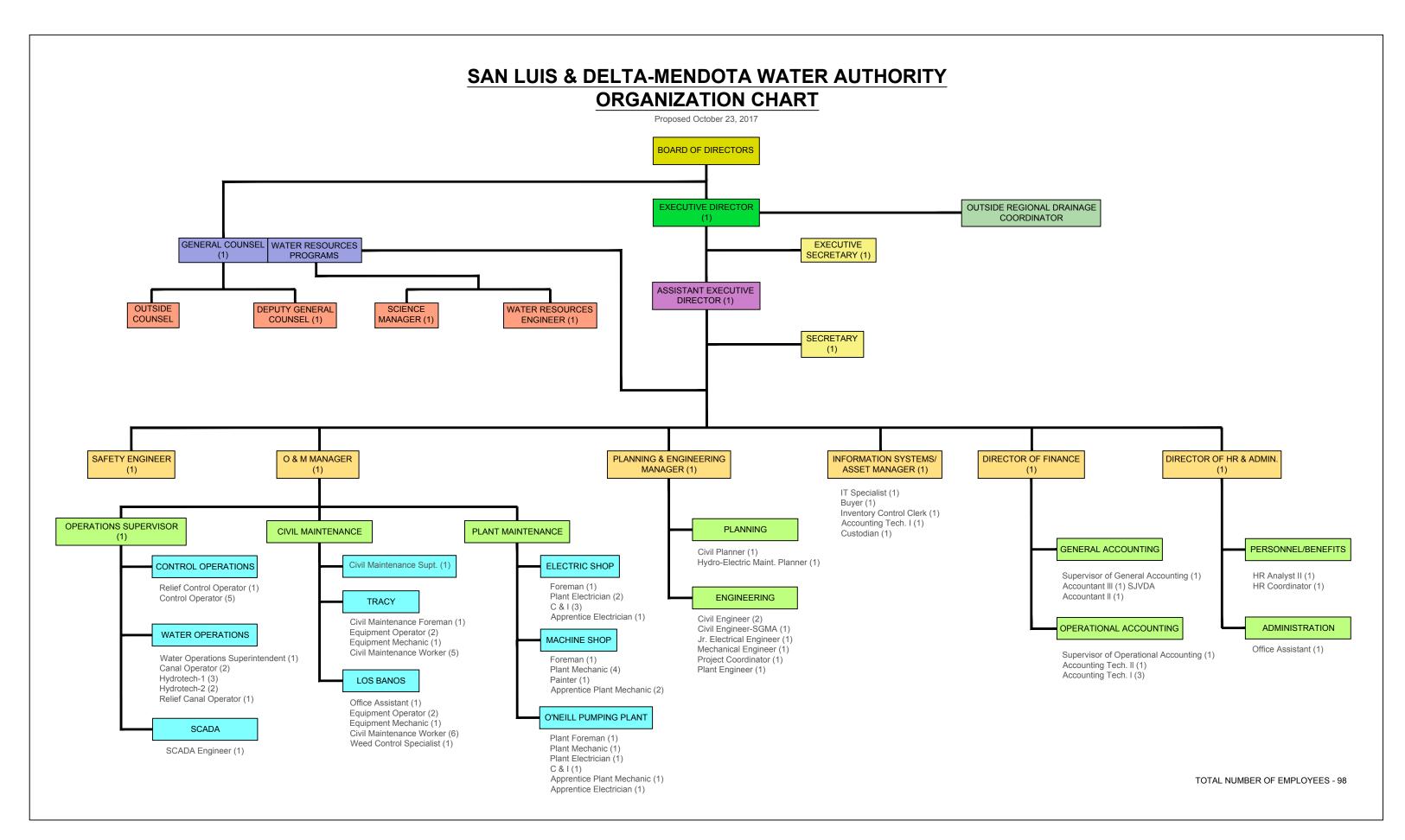
O&M Budget Summary	Approved FY18 Budget	Proposed FY19 Budget	% Change 18 - 19	Preliminary FY20 Budget	% Change 19 - 20
Routine O&M (Water Users)	\$ 11,863,783	\$ 12,396,806	4.49%	\$ 12,829,270	3.49%
USBR Funded O&M (Service Contract)	\$ 519,915	\$ 529,002	1.75%	\$ 533,776	0.90%
TOTAL	<u>\$ 12,383,698</u>	<u>\$ 12,925,808</u>	4.38%	<u>\$ 13,363,046</u>	3.38%
Extraordinary O&M (Water Users)	\$ 3,823,444	\$ 3,207,912	-16.10%	\$ 3,544,911	10.51%
Capital Improvements Projects (RAX Funding-USBR Reimbursed)	\$ 5,714,128	\$ 5,612,502	-1.78%	\$ 5,633,797	0.38%
CALFED Water Efficiency Grant Funds (USBR Reimbursed)/ Participatory Grants	\$-	\$-	0.00%	\$-	0.00%
TOTAL	<u>\$ 21,921,270</u>	<u>\$ 21,746,223</u>	-0.80%	<u>\$ 22,541,754</u>	3.66%
<u>Total Self Funded Budget (Water</u> <u>Users)</u>	<u>\$ 15,687,227</u>	<u>\$ 15,604,718</u>	-0.53%	<u>\$ 16,374,181</u>	4.93%

# Routine O&M Budget

**Staffing Levels** 

and

**Organization Chart** 



## Summary of Assumptions and Considerations

A. Current approved positions at 3/1/18:

	Desition	Number of Desitions
	Position	Number of Positions
1.	Accounting Technician I	
2.	Accounting Technician II	
3.	Accountant II	
4.	Assistant Executive Director	
5.	C&I Technician	
6.	Civil Maintenance Worker	
7.	Canal Operator	
8.	Civil Engineer	2
9.	Civil Engineer-SGMA	
10.	Civil Maintenance Foreman	
11.	Civil Maintenance Superintendent	
12.	Control Operator/Apprentice	
13.	Custodian	
14.	Engineering and Planning Manager	1
14.	Director of Finance	1
15.	Director of HR & Administration	1
16.	Operations and Maintenance Manager	
17.	Electrical Engineer	
18.	Equipment Mechanic	
19.	Equipment Operator	
20.	Executive Director(partial)	
21.	Executive Secretary	
22.	HEP Electrician/Apprentice	
23.	HEP Electrician Foreman	
24.	HEP Mechanic I/II/Apprentice	
25.	HEP Mechanic Foreman	
26.	HR Coordinator	
27.	HR Analyst II	
28.	Hydrotech-1	
29.	Hydrotech-2	
30.	Information Systems & Asset Manager	
31.	Information Technology Specialist	
32.	Maintenance Worker, Painter	
33.	Maintenance Planner, Electrical/Mecha	
34.	Mechanical Engineer	
35.	Office Assistant	
36.	O'Neill Plant Foreman	
37.	Operations Supervisor	1
38.	Plant Engineer	
39.	Safety Engineer	1
40.	Project Coordinator	
41.	Buyer	1
42.	Relief Canal Operator	1
43.	Relief Control Operator	1

44. SC	CADA Engineer	.1
45.	Secretary	.1
46.	General Counsel (partial)	.1
47.	Deputy General Counsel (partial)	.1
48.	Supervisor of General Accounting	.1
49.	Supervisor of Operational Accounting	1
50.	Inventory Control Clerk	.1
51.	Water Operations Superintendent	.1
52.	Water Resource Engineer	.1
53.	Weed Control Specialist	.1
Total Positions	s	.96

(NOTE: The Science Manager and Accountant III (SJVDA) positions are not included in the total positions because they are non-O&M positions)

Total FY19 positions......<u>96</u>

- C. Routine O&M salaries will vary each year depending on the amount of staff labor dedicated to EO&M and Capital projects.
- D. Costs associated with USBR activities (Tracy Fish Collection Facility & Fish Release sites, Delta Cross Channel, USBR Tracy Admin facilities & Tracy WAPA facilities) are paid directly by the Bureau through a service contract. Current contract period extends to 12/31/2019.

## 2. Materials

The Authority staff evaluates the materials and services costs annually and adjusts those costs depending on planned projects and pricing trends for given materials and services.

## 3. Vehicles, Equipment and Computer Acquisition

New equipment purchases in excess of \$2,500 are supported with a Cost Justification Summary.

# Routine O&M Budget

FY19 Proposed Budget

Summary &

Line Item Details

COLUMN	А	В	С	C vs B	
SLDMWA ANNUAL BUDGET	2017	2018	2019		COMMENTS - 2019
ROUTINE O&M BUDGET FY19	Unaudited	APPROVED	PROPOSED		
SELF-FUNDED & USBR - FUNDED O&M ONLY	ACTUAL	BUDGET	BUDGET		A comment is necessary for any variance greater than 5%, except all payroll related changes.
SUMMARY (no EORM & CIR)	FY17	FY18	FY19		
SUMMARY (no EO&M & CIP)	F117	FTIO	F117		
5101 Salaries	\$5,146,397	\$6,111,223	\$6,310,637	3 26%	Salary increase placeholder (3%).
5102 Overtime	\$260,301	\$113,759	\$111,759	-1.76%	
5102 Statine 5103 Salary Adjustments	\$200,301	\$0	\$0	0.00%	
5104 Vacation Expense	\$384,632	\$406,385	\$418,398		See explanation under Salaries above.
5105 Sick Time	\$232,863	\$211,710	\$216,932		See explanation under Salaries above.
5107 Holiday Pay	\$226,524	\$251,406	\$257,999		See explanation under Salaries above.
5108 Sick Cash Out Expense	\$43,827	\$43,827	\$43,827	0.00%	
5121 Payroll Taxes	\$110,743	\$128,678	\$131,315		See explanation under Salaries above.
5131 Retirement 401/457 SLDMWA Contr	\$758,216	\$898,665	\$927,686		See explanation under Salaries above.
5141 Health Insurance - SLDMWA Contr	\$1,561,216	\$1,817,768	\$1,860,952		
5145 Workers Compensation Insurance	\$263,648	\$366,177	\$403,576		Increase in workers comp.
Subtotal Salarles & Employee Benefits	\$8,988,367	\$10,349,597	\$10,683,080	3.22%	
5210 Office Services & Supplies	\$32,570	\$38,329	\$37,470	-2.24%	
5211 Mailing Costs	\$1,035	\$2,570	\$2,570	0.00%	
5216 Small Tools	\$19,783	\$16,100	\$27,100	68.32%	All plants lacking in hand tools, esp O'Neill and DCI. Need elec meters
5221 Clothing, Personal Equip/Laundry Srvcs	\$24,316	\$25,500	\$28,900	13.33%	Increased staff requiring PPE and arc flash rated clothing
5226 Janitorial Supplies & Services	\$44,569	\$47,987	\$48,187	0.42%	
5227 Engineering Consultant	\$415	\$26,000	\$51,000	96.15%	USBR R,O&M Exams
5228 Auditing	\$0	\$81,000	\$63,000	-22.22%	Three financial audits in FY18, two in FY19
5229 Legal	\$105,367	\$107,440	\$107,440	0.00%	
5231 Other Professional Services	\$117,395	\$126,399	\$102,500	-18.91%	Reduced need for consulting services for the SLTP
5236 Security Services/Systems	\$120	\$0	\$0	0.00%	
5237 Fees & Licenses	\$20,319	\$10,320	\$10,670	3.39%	
5241 Other Services & Expenses	\$127,420	\$188,171	\$204,315	8.58%	Job announcements, board committee meeting expenses increase
5243 Computer Software	\$15,406	\$17,550	\$19,250	9.69%	Engineering software upgrades
5245 Contract Labor	\$0	\$0	\$0	0.00%	
5246 Rents/Leases - Ofc. Machinery & Equipment	\$537	\$627	\$627	0.00%	
5247 Organizational Membership Dues	\$21,555	\$21,850	\$21,850	0.00%	
5251 Professional Organization Dues	\$735	\$800	\$800	0.00%	
5256 Conference & Training Costs	\$22,002	\$65,099	\$53,774	-17.40%	More closely match anticipated training
5261 Travel	\$30,150	\$46,633	\$66,039	41.62%	Two new apprentices
5271 Employee & Group Meetings	\$8,605	\$13,346	\$14,191	6.33%	More closely match actual costs
5286 Parts/Materials - Vehicle/Constrct Equip	\$63,465	\$80,034	\$80,034	0.00%	
5288 Petroleum, Oil & Lubricants	\$166,274	\$229,491	\$229,287	-0.09%	
5291 Outside Services - Vehicle/Constrct Equip	\$41,686	\$65,095	\$58,095		Anticipate less repairs with newer equipment
5296 Rents/Leases - Vehicle/Constrct Equip	\$40,873	\$15,000	\$80,000		Long-reach excavator rental for DMC and WW erosion repairs
5301 Parts & Materials - Bldg/Grnds/Mach/Equip	\$391,817	\$320,722	\$354,422		More closely match actual costs. Turnout gates and HMI's for Jones Units
5311 Outside Services - Bldg/Grnds/Mach/Equip	\$95,406	\$142,300	\$210,100		Diving services for turnout gate replacement, HVAC repairs, shop equipment service
5316 Rents/Leases - Land & Buildings	\$73,584	\$74,822	\$71,788	-4.05%	
5331 Pipe, Metal & Treatments	\$32,550	\$42,200	\$43,000	1.90%	
5341 Sand, Backfill & Rock	\$11,516	\$30,000	\$30,000	0.00%	
5351 Concrete & Paving Material	\$7,287	\$18,000	\$18,000	0.00%	
5361 Chemicals	\$111,619	\$105,400	\$107,400	1.90%	
5372 Telephone Expenses	\$51,868	\$63,668	\$64,355	1.08%	
5373 Energy	\$62,966	\$67,688	\$68,378	1.02%	
5374 Radio Communications	\$0 \$41,700	\$0 \$50.200	\$0 \$58,100	0.00%	Ungrade of data convice ofter fiber installation of TEO
5375 Network Communications	\$41,798	\$50,290	\$58,190		Upgrade of data service after fiber installation at TFO
5376 Hazardous Waste Disposal	\$9,705 \$25 502	\$20,200	\$19,300	-4.46%	More closely match actual costs
5377 Disposal Expense	\$25,502	\$22,857	\$26,957		More closely match actual costs
Subtotal Services & Supplies	\$1,820,215	\$2,183,487	\$2,378,990	8.95%	11 of 97

	COLUMN	А	В	С	C vs B	
	SLDMWA ANNUAL BUDGET	2017	2018	2019		COMMENTS - 2019
	ROUTINE O&M BUDGET FY19	Unaudited	APPROVED	PROPOSED		
	SELF-FUNDED & USBR - FUNDED O&M ONLY	ACTUAL	BUDGET	BUDGET		A comment is necessary for any variance greater than 5%, except all payroll related changes.
	SUMMARY (no EO&M & CIP)	FY17	FY18	FY19		
	Proposed Budget					
5401	Insurance Premiums & Fees	\$180,305	\$194,497	\$199,597	2.62%	
	Subtotal Other Charges	\$180,305	\$194,497	\$199,597	2.62%	
5521	New/Replacement Equipment & Furniture	\$24,255	\$33,920	\$41,424	22.12%	Purchase small tilt trailer (\$10K) and box scraper(\$5K)
5523	Computer Hardware	\$1,563	\$6,600	\$8,400	27.27%	Laptop for C&I Technicians
5526	Water Meters	\$13,125	\$18,000	\$18,000	0.00%	
5541	Automotive & Light Trucks	\$0	\$0	\$0	0.00%	
5544	Heavy Equipment	\$0	\$0	\$0	0.00%	
5561	Construction Equipment/Payment	\$0	\$0	\$0	0.00%	
	Subtotal Capital Assets	\$38,943	\$58,520	\$67,824	15.90%	
	TOTAL ROUTINE O&M BUDGET	\$11,027,829	\$12,786,101	\$13,329,490	4.25%	
Less:	Allocated indirect charged to EO&M Reserve	(\$180,527)	(250,219)	(251,015)	0.32%	
	Allocated indirect charged to PAT Grants	\$0	-	-	0.00%	
	Allocated Indirect charged to CIP & Other Funds	\$0	(152,183)	(152,667)	0.32%	
	ADJUSTED ROUTINE O&M BUDGET TOTAL	\$10,847,302	\$12,383,699	\$12,925,808	4.38%	

Salaries     Yac.       5102     OT.j       Overtime     ST       5103     As c       Salary Adjustment     ST       5104     Yac.       Vacation Expense     St       5105     Sick Time       5107     Holf       Hollday Time     Sto       5107     Holf       Holday Time     Sto       5107     Holf       Halday Time     Sto       5107     Holf       Haltary Time     Sto       Stack Cash Out Earned     Sto       5121     Aut       Workmen's Comp Ins.     Stat       5210     Aut       Workmen's Comp Ins.     Stat       5210     Mailing Costis       S211     Staf       Salar     Aut       S216     Miss       Station Costis     Staf       S216     Staf       Staff Tools     Staff       S227     USS       S227     USS       S227     USS       S226     Janitorial Sves & Supples       S227     USS       Audting     Aut	LINE ITEM DETAIL alaries of Authority Employees less ac, Sick and Holiday Subtotal 5101 T pay including Comp. Time banked Subtotal 5102 s determined by annual salary review school and the subtotal 5102 acation earned Subtotal 5103 antenance Contracts Free Subtoral 5500 antenance Contracts Subtotal 5201 balage Subtotal 5212 balage Subtotal 5212 balage Subtotal 5221 balage Subtotal	8.029 832 49 Total Including E0&M PAT GRANTS, & USBR 6.885.683.13 168,005.03 168,005.03 168,005.03 168,005.03 0.00 0.00 457,079.79 237,084.18 248,094 2,043,389,84 248,094 258,007 258,007 255,000 25,500,00	11.87% 58 06M LEAO Admin 823.467.85 16,925.98 0.00 0.00 51.941.06 27,811.65 27,811.65 27,811.65 27,811.65 33,026.34 33,026.34 33,026.34 33,026.34 33,026.34 33,026.34 33,026.34 17,504.24 117,504.24 117,504.24 117,504.24 117,504.24 117,504.24 117,504.24 117,504.24 117,504.24 117,504.24 117,504.24 125,928.67 9,172.55 9,172.55 1,396,161.98 0.00 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000000	91.11% FY19 TOTAL DMC 6.310.636.66 6.310.636.66 6.310.636.66 6.311.758.81 111.758.	88.37%           FY19           TOTAL           SELF FUNDING           6.119.064.57           110.641.58           110.641.58           110.641.58           210.217.98           210.217.98           250.017.94           43.827.35           143.827.35           143.827.35           137.513.42           127.513.42           899.261.25           387.292.51           387.292.51           387.292.51           387.292.51           383.00           500.00           838.00           5338.00           78.255.03           255.03           255.03           255.03           37.470.10	2.74% FY19 TOTAL BUREAU FACILITIES 191.572.09 191.572.09 191.572.09 191.572.09 191.572.09 191.572.09 191.572.09 191.572.09 191.572.09 191.572.09 10.00 0 0.00 12.606.60 6.713.84 7.981.01 7.981.01 7.981.01 7.981.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	FV18 TOTAL DMC 6.111.223.14 (-111.223.14 113.758.81 113.758.81 113.758.81 113.758.81 113.758.81 113.758.81 20.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	% Change FY18 vs FY19 DMC 3.26% 3.26% 3.26% 3.176% 0.00% 2.96% 2.47% 2.47% 2.42% 2.47% 2.42% 2.47% 2.47% 2.42% 3.23% 0.00% 3.23% 10.21% 3.23% 0.00% 3.23% 0.00% 3.23% 0.00% 3.22%
SUMMARY DETAIL OF ALL DEPT  R. O & M  Stot Stot Stot Stot Stot Stot Stot St	LINE ITEM DETAIL alaries of Authority Employees less ac, Sick and Holiday Subtotal 5101 T pay including Comp. Time banked Subtotal 5102 s determined by annual salary review school and the subtotal 5102 acation earned Subtotal 5103 antenance Contracts Free Subtoral 5500 antenance Contracts Subtotal 5201 balage Subtotal 5212 balage Subtotal 5212 balage Subtotal 5221 balage Subtotal	including EO&M PAT GRANTS, & USBR 6,885,683,13 6,885,683,13 168,005,03 168,005,03 168,005,03 168,005,03 168,005,03 168,005,03 0,00 0,00 457,079,79 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 243,882,43 143,462,33 143,462,33 143,462,33 143,462,33 1,013,208,19 2,043,389,84 453,880,74 453,890,74 453,890,74 453,890,74 453,890,74 453,890,74 453,890,74 453,890,74 453,890,74 453,890,74 453,890,74 453,890,74 453,890,74 453,890,755 454,900,900,900,74,740,100,755,9000,900,74,740,1000,745,900,900,745,900,900,745,900,900,745,900,900,745,900,900,745,900,900,900,900,900,900,900,900,900,90	LEAO Admin 823,467,85 16,925,98 16,925,98 0,00 0,00 51,941,06 51,941,06 51,941,06 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 43,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,927,45 45,926,47 45,926,47 45,926,47,8545,926,47,85 45,926,47,8545,926,47,85 45,926,47,8545,926,47,8545,926,47,8545,926	TOTAL DMC 6.310.636.66 6.310.636.66 111.758.81 111.758.81 111.758.81 111.758.81 111.758.81 111.758.81 111.758.81 216.931.83 216.931.83 216.931.83 257.998.94 257.998.94 257.998.94 257.989.94 257.989.94 257.989.94 257.989.94 257.989.94 257.968.10 927.666.10 1.860.951.83 1.860.953.80 1.860.953.80 1.860.953.80 1.860.953.80 1.860.953.80 1.860.953.80 1.860.953.80 1.860.953.80 1.860.953.80 1.8	TOTAL SELF FUNDING 6,119,064,57 110,641,58 110,641,58 110,641,58 110,641,58 210,217,98 210,217,98 210,217,98 250,017,94 43,827,35 43,827,35 127,513,42 3699,261,25 1,801,908,25 387,292,51 10,355,536,08 500,00 838,00 5,330,07 28,252,03	TOTAL BUREAU FACILITES 191.572.09	TOTAL DMC 6.111.223.14 113.758.81 113.758.81 113.758.81 113.758.81 113.758.81 113.758.81 113.758.81 113.758.81 113.758.81 20.00 0.00	FY18 vs FY19 DMC 3.26% 3.26% 3.26% 0.00% 2.96% 2.96% 2.96% 2.47% 2.47% 2.42% 0.00% 2.05% 3.23% 3.23% 3.23% 10.21% 10.21% 3.22% 0.00% 2.52%
R. O & M         Stol 1       Salar         Salaries       Vac.         Stol 2       OT ;         Overtime       OT ;         Stol 3       As c         Salary Adjustment       Stol 4         Vacation Expense       Stol 5         Stol 4       Vac.         Vacation Expense       Stol 5         Stol 5       Sick Time         Stol 7       Holid Ay Time         Stol 8       Sick Cash Out Earned         Stol 7       Holid Ay Time         Stol 7       Holid Ay Time         Stol 7       Holid Ay Time         Stol 7       Autt         Retirement 401/457       Plas         Stol 7       Malin Conn         Gotting Costs       Stol 7         Stol 7       Malin Costs         Stol 7       Malin Costs         Stol 8       Supplies         Stol 7       Stafa Ay	LINE ITEM DETAIL alaries of Authority Employees less ac, Sick and Holiday Subtotal 5101 T pay including Comp. Time banked Subtotal 5102 s determined by annual salary review school and the subtotal 5102 acation earned Subtotal 5103 antenance Contracts Free Subtoral 5500 antenance Contracts Subtotal 5201 balage Subtotal 5212 balage Subtotal 5212 balage Subtotal 5221 balage Subtotal	PAT GRANTS, & USBR 6.885.683.13 166,005.03 166,005.03 166,005.03 166,005.03 166,005.03 0.00 0.00 457.079.79 237.084.18 237.084.18 237.084.18 237.084.18 241.980.36 43.827.35 143,462.33 143,462.33 1,013.208.19 2,043,389.84 453,880.74 11,727,600.93 500.00 838.00 5,330.07 28.255.00 0.37,470.10 2,569.50 2,569.50	LEAO Admin 823,467,85 16,925,98 16,925,98 0,00 0,00 51,941,06 51,941,06 51,941,06 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 33,026,34 43,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,827,35 44,927,45 45,926,47 45,926,47 45,926,47,8545,926,47,85 45,926,47,8545,926,47,85 45,926,47,8545,926,47,8545,926,47,8545,926	DMC 6.310.636.66 6.310.636.66 6.310.636.66 111.758.81 111.758.81 111.758.81 111.758.81 216.931.83 2	SELF FUNDING           6,119,064,57           10,641,58           10,641,58           10,641,58           0,00           405,791,23           405,791,23           210,217,98           210,217,98           250,017,94           43,827,35           43,827,35           127,513,42           899,261,25           1801,908,25           387,292,51           10,355,536,08           500,00           838,00           5330,07           28,30,07           28,30,07           28,30,07           25,536,08           500,00           5383,007           28,250,00	BUREAU FACILITIES 191,572.09 191,572.09 1,117.24 1,117.24 1,117.24 1,117.24 1,117.24 1,2606.60 12,606.60 12,606.60 12,606.60 6,713.84 6,713.84 6,713.84 6,713.84 17,981.01 7,991.01 7,9	6,111,223,14 6,111,223,14 113,758,81 113,758,81 113,758,81 113,758,81 113,758,81 113,758,75 113,758,75 113,758,70 211,710,20 211,710,70 211,80 211,707,70 210,366,177,04 203,66,177,04 203,66,177,04 203,66,177,04 200,838,00 254,683,20 254,683,20 254,683,20 254,683,20 214,724,724,724 214,724,724,724 214,724	DMC 3.26% 3.26% 3.26% 3.26% 0.00% 0.00% 2.96% 2.96% 2.47% 2.47% 2.62% 2.62% 2.05% 3.23% 3.22% 3.23% 3.22% 3.23% 3.22% 3.23% 3.22% 3.23% 3.22% 3.
5101     Sala       Salaries     Yac       Salaries     Yac       5102     OT       5103     As c       Salary Adjustment     Yac       5104     Yac       Stort Adjustment     Sick       5105     Sick       Sick Time     Siot       5107     Holi       Holidsta     Siek       Sisk Cash Out Earned     Sizt       Si21     Autt       Payroll Taxes     Autt       Si41     Con       Health Insurance     Autt       Si21     Autt       Mailing Costs     Salat       Si21     Payroll Taxes       Si14     Con       Health Insurance     Mailing       Si210     Autt       Mailing Costs     Safa       Si211     Post       Mailing Costs     Safa       Si211     Safa       Mailing Costs     Jani       Si221     Safa       Si221     Safa       Si221     Safa       Si221     Safa       Si222     Jani       Si227     USB       Si29     Linn	alaries of Authority Employees less ac, Sick and Holiday T pay including Comp. Time banked Gubtotal 5102 Getermined by annual salary review Gubtotal 5102 Gubtotal 5103 Gubtotal 510 Gubtotal		Admin 823,467,85 16,925,98 16,925,98 0,00 0,00 51,941,06 27,811,65 33,026,34 43,827,35 44,827,35 44,75,04,24 47,504,24 47,504,24 47,504,24 47,504,24 47,504,24 47,504,24 47,504,24 47,504,24 47,504,24 47,504,24 47,504,24 47,504,24 47,504,24 47,504,24 47,504,24 47,504 0,000 0,	6,310,636,66 6,310,636,66 111,758,81 111,758,81 111,758,81 10,00 0,00 0,00 418,397,83 216,931,83 257,988,44 257,988,44 257,989,44 258,000 2	6,119,064,57 6,119,064,57 110,641,58 110,641,58 100,641,58 200,000 405,791,23 405,791,23 405,791,23 210,217,98 210,217,98 250,017,94 43,827,35 127,513,42 899,261,25 1,801,908,25 1,801,908,25 387,292,51 10,355,526,08 500,00 6,330,07 28,252,03 2,255,000	FACILITIES           191,572,09           191,572,09           191,572,09           1,117,24           0,00           12,606,60           6,713,84           6,713,84           6,713,84           6,713,84           7,981,01           7,981,01           0,00           0,00           2,8424,85           59,043,58           59,043,58           16,283,30           16,283,30           327,543,71           0,00           0,00           0,00	6,111,223,14 6,111,223,14 113,758,81 13,758,81 13,758,81 13,758,81 13,758,81 13,758,81 13,758,81 13,758,81 13,758,81 21,1710,20 211,710,20	3.26% 3.26% 1.76% 0.00% 0.00% 2.96% 2.47% 2.47% 2.62% 0.00% 0.00% 2.05% 3.23% 3.23% 3.23% 3.23% 3.23% 3.23% 3.23% 3.23% 3.23% 3.23% 3.23% 3.23% 3.25% 3.23% 3.25% 3.23% 3.25% 3.
Salaries Vac Salary Adjustment 5103 As c Salary Adjustment 5104 Vac Vacation Expense 5105 Sick Sick Time 5105 Sick Sick Time 5106 Sick Cash OLI Farned 5107 Holi Holi Holi Holi Holi Holi Holi Holi Holi Sick Cash OLI Farned 5110 Autt Payroll Taxes 5131 Autt Payroll Taxes 5131 Autt Payroll Taxes 5131 Con 5141 Con 5141 Con 5141 Con 5145 Autt Workmen's Comp Ins. 5210 Autt Office Sives & Supp. 5210 Miss 5210 Miss 5210 Miss 5210 Miss 5210 Miss 5211 Pois 5211 Pois 5211 Salar 5212 Autt Maling Costs 5212 Autt Salar 5221 Rain 5221 Rain 5221 Autt Salar 5221 Autt Salar 5221 Autt Salar 5220 Jan 5227 USB Con 5227 USB Salar 5227 List Salar 5227 List Salar Sala	ac, Sick and Holiday Subtotal 5101 T pay including Comp. Time banked Subtotal 5101 T pay including Comp. Time banked Subtotal 5102 s determined by annual salary review Subtotal 5102 catation earned Subtotal 5102 catation earned Subtotal 5102 catation earned Subtotal 5102 ck Cash Out Expense Earned Subtotal 5131 outhority contributions to Emp. Ret. Tan, includes the 401a and the 457 Subtotal 5132 Subtotal 5131 ffice Equipment (Less than 5500) aintenance Contracts ffice Supples Substoriotions. Mass Subtotal 5217 pstage S	168,005,03 168,005,03 0,00 0,00 457,079,79 457,079,79 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 241,980,36 43,827,35 143,462,33 145,380,74 453,880,74 153,890,74 153,890,74 153,800	823.467.85 16.925.98 16.925.98 0.00 0.00 51.941.06 57.941.06 27.811.65 27.811.65 27.811.65 33.026.34 43.827.35 19.556.30 19.556.30 19.556.30 117.504.24 117.50	6.310.636.66           111.758.81           111.758.81           111.758.81           111.758.81           111.758.81           10.00           0.00           0.00           0.01           111.758.81           111.758.81           111.758.81           216.931.83           216.931.83           215.7998.94           43.827.35           43.827.35           43.827.35           43.827.35           43.827.35           43.827.35           43.827.35           43.827.35           43.827.35           43.827.35           43.827.35           43.827.35           43.827.35           43.827.35           43.827.35           403.575.82           403.575.82           403.575.82           10,683.079.79           500.00           838.00           5.330.07           2.330.07           2.330.07           2.330.07           2.330.07           2.330.07           2.330.07           2.330.07<	6,119,064,57, 110,641,58 0,000 0,000 405,791,23 405,791,23 210,217,98 210,217,98 250,017,94 43,827,35 127,513,42 899,261,25 18,01,908,25 18,01,908,25 387,292,51 10,355,536,08 500,00 838,000 5,530,07 28,252,03	191,572,09 191,572,09 1,117,24 1,117,24 1,117,24 1,117,24 0,00 12,606,606 12,606,606,606 12,606,606,606,606 12,606,606,606	6.111.223.14 113.758.81 113.758.81 0.00 0.00 0.406.384.62 211.710.20 251.405.85 43.827.35 128.677.79 128.677.79 128.677.79 128.677.79 128.677.79 386.64.65 1.817.767.70 1.817.767.70 1.817.767.70 3.866.177.04 3.67.177.05 3.6	3.26% -1.76% -1.76% -1.76% -0.00% -2.96% 2.47% 2.47% 2.62% 2.62% -2.47% -2.62% -2.
5102     OT       Overtime     OT       5103     As c       Salary Adjustment     Vac.       5104     Vac.       Stoft Spense     Sick       5105     Sick Sick Time       5107     Holi       Holiday Time     Sick       5108     Sick Ash Out Farned       5121     Auti       Payroll Taxes     Sil       5131     Auti       Retirement 401/457     Plas       5141     Con       Health Insurance     On       5210     Mail       Office Srvcs & Supp.     Office       5210     Mail       Siz11     Mail       Office Srvcs & Supp.     Office       5210     Mail       Siz11     Safa       Siz210     Safa       Mailing Costs     Safa       Siz21     Safa       Siz21     Safa       Siz21     Safa       Siz221     Safa       Siz221     Safa       Siz221     Safa       Siz221     Safa       Siz221     Safa       Siz221     Safa       Siz223     Auditing	Subtotal 5101 T pay including Comp. Time banked Subtotal 5102 s determined by annual salary review Subtotal 5102 acation earned Subtotal 5104 Subtotal 520	168,005,03 168,005,03 0,00 0,00 457,079,79 457,079,79 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 241,980,36 43,827,35 143,462,33 145,380,74 453,880,74 153,890,74 153,890,74 153,800	16.925.98           16.925.98           16.925.98           0.00           0.00           51.941.06           57.941.06           27.811.65           27.811.65           27.811.65           33.026.34           43.827.35           19.556.30           19.556.30           19.556.30           177.504.24           252.928.67           9.172.55           9.172.476.00           0.00           0.00           0.010           0.02           0.03           0.0476.00           0.2476.00	111 758 81           111 758 81           0.00           0.00           418.397 83           418.397 83           216 931 83           216 931 83           216 931 83           215 7998 94           43.827 35           131 314 63           131 314 63           131 314 63           131 314 63           133 14 63           13.800 951 83           1.860 951 83           1.860 951 83           1.860 3575 82           403 575 82           10,683,079.79           500 00           5380 00           5380 00           2.388 00           2.382 00           3.37 470.10	110,641,58 110,641,58 0,00 405,791,23 405,791,23 405,791,23 405,791,23 210,217,98 250,017,94 43,827,35 127,513,42 899,261,25 1801,908,25 1801,908,25 1801,908,25 1801,908,25 1801,908,25 1801,908,25 1801,908,25 387,292,51 10,355,554,08 500,00 838,00 5,530,07 28,252,03 2,255,000	191,572,09 1,117,24 1,117,24 0,00 0,00 12,606,60 6,713,84 6,713,84 6,713,84 7,981,01 7,991,01	113,758,81 113,758,81 0,00 0,00 406,384,62 211,710,20 211,710,710,710 211,710,710 211,710,710	-1.76% -1
Overtime     As to       Stol3     As to       Stol3     As to       Salary Adjustment     Stol4       Stol4     Vacation Expense       Stol5     Sick Sick Time       Stol7     Holi       Holiday Time     Stol7       Stol8     Sick Anno       Stol7     Holi       Holiday Time     Sick Sick Cash Out Earned       Stol7     Holi       Stol7     Holi       Holiday Time     Auth       Paryol1 Taxes     Stol7       Stat     Stol7       Health Insurance     Auth       Stol7     Mail       Office Srvcs & Supp.     Office Srvcs & Supp.       Stol6     Mile       Stol7     Mile       Stol7 <t< td=""><td>T pay including Comp. Time banked Subtotal 5102 s determined by annual salary review sacation earned Subtotal 5102 ck Time used Subtotal 5104 subtotal 5104</td><td>168,005,03 168,005,03 0,00 0,00 457,079,79 457,079,79 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 241,980,36 43,827,35 143,462,33 145,380,74 453,880,74 153,890,74 153,890,74 153,800</td><td>16.925.98           16.925.98           16.925.98           0.00           0.00           51.941.06           57.941.06           27.811.65           27.811.65           27.811.65           33.026.34           43.827.35           19.556.30           19.556.30           19.556.30           177.504.24           252.928.67           9.172.55           9.172.476.00           0.00           0.00           0.010           0.02           0.03           0.0476.00           0.2476.00  </td><td>111 758 81           111 758 81           0.00           0.00           418.397 83           418.397 83           216 931 83           216 931 83           216 931 83           215 7998 94           43.827 35           131 314 63           131 314 63           131 314 63           131 314 63           133 14 63           13.800 951 83           1.860 951 83           1.860 951 83           1.860 3575 82           403 575 82           10,683,079.79           500 00           5380 00           5380 00           2.388 00           2.382 00           3.37 470.10</td><td>110,641,58 110,641,58 0,00 405,791,23 405,791,23 405,791,23 405,791,23 210,217,98 250,017,94 43,827,35 127,513,42 899,261,25 1801,908,25 1801,908,25 1801,908,25 1801,908,25 1801,908,25 1801,908,25 1801,908,25 387,292,51 10,355,554,08 500,00 838,00 5,530,07 28,252,03 2,255,000</td><td>1,117,24 1,117,24 0,00 0,00 12,606,60 6,713,84 6,713,84 7,981,01 7,991,01 7</td><td>113,758,81 113,758,81 0,00 0,00 406,384,62 211,710,20 211,710,710,710 211,710,710 211,710,710</td><td>1.76% 1.76% 1.76% 0.00% 0.00% 2.96% 2.47% 2.47% 2.47% 2.62% 0.00% 2.05% 3.23% 3.23% 3.23% 10.21% 10.21% 3.22% 0.00% 2.45% 3.22%</td></t<>	T pay including Comp. Time banked Subtotal 5102 s determined by annual salary review sacation earned Subtotal 5102 ck Time used Subtotal 5104	168,005,03 168,005,03 0,00 0,00 457,079,79 457,079,79 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 237,084,18 241,980,36 43,827,35 143,462,33 145,380,74 453,880,74 153,890,74 153,890,74 153,800	16.925.98           16.925.98           16.925.98           0.00           0.00           51.941.06           57.941.06           27.811.65           27.811.65           27.811.65           33.026.34           43.827.35           19.556.30           19.556.30           19.556.30           177.504.24           252.928.67           9.172.55           9.172.476.00           0.00           0.00           0.010           0.02           0.03           0.0476.00           0.2476.00	111 758 81           111 758 81           0.00           0.00           418.397 83           418.397 83           216 931 83           216 931 83           216 931 83           215 7998 94           43.827 35           131 314 63           131 314 63           131 314 63           131 314 63           133 14 63           13.800 951 83           1.860 951 83           1.860 951 83           1.860 3575 82           403 575 82           10,683,079.79           500 00           5380 00           5380 00           2.388 00           2.382 00           3.37 470.10	110,641,58 110,641,58 0,00 405,791,23 405,791,23 405,791,23 405,791,23 210,217,98 250,017,94 43,827,35 127,513,42 899,261,25 1801,908,25 1801,908,25 1801,908,25 1801,908,25 1801,908,25 1801,908,25 1801,908,25 387,292,51 10,355,554,08 500,00 838,00 5,530,07 28,252,03 2,255,000	1,117,24 1,117,24 0,00 0,00 12,606,60 6,713,84 6,713,84 7,981,01 7,991,01 7	113,758,81 113,758,81 0,00 0,00 406,384,62 211,710,20 211,710,710,710 211,710,710 211,710,710	1.76% 1.76% 1.76% 0.00% 0.00% 2.96% 2.47% 2.47% 2.47% 2.62% 0.00% 2.05% 3.23% 3.23% 3.23% 10.21% 10.21% 3.22% 0.00% 2.45% 3.22%
Overtime     As to       Stol3     As to       Stol3     As to       Salary Adjustment     Vacation Expense       Stol4     Vacation Expense       Stol5     Sick Sick Time       Stol7     Holi       Holiday Time     Sick Sick Cash Out Earned       Stol7     Holi       Stol7     Holi       Holiday Time     Sick Sick Cash Out Earned       Stol7     Auti       Parvoil Taxes     Auti       Stat     Stat       Stat     Stat       Stat     Auti       Workmen's Comp Ins.     Mail       Stat0     Auti       Office Srvcs & Supp.     Office Srvcs & Supp.       Stal1     Cols       Stal1     Safa       Stal1     Safa       Stal1     Safa       Stal1     Safa       Stal1     Safa       Mailing Costs     Safa       Stal1     Safa       Stal1     Safa       Mailing Costs     Jani       Stal1     Safa       Stal1     Safa       Mailing Costs     Jani       Stal1     Safa       Stal2     Jani       Stal2     Jani       Stal2     Jani <td>Subtotal 5102 s determined by annual salary review acation earned Subtotal 5102 school 2015 school 201</td> <td>168,005,03 0,00 457,079,79 237,084,18 237,084,18 237,084,18 231,980,36 43,827,35 43,827,35 143,462,33 1,013,208,19 2,043,389,84 453,880,74 453,880,74 453,880,74 453,880,74 453,880,74 453,880,74 11,727,600,93 5,330,00 9,380,00 9,380,00 5,330,00 5,330,00 9,380,00 5,330,00 5,350,000,00 5,350,000,000,000,000,000,000,000,000,00</td> <td>16.925.98           0.00           0.01           51.941.06           27.811.65           27.811.65           33.026.34           43.827.35           43.827.35           43.827.35           9.556.30           19.556.30           19.556.30           19.755.424           252.928.67           9.172.55           9.172.55           1.396,161.98           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.476.00</td> <td>111.758.81           0.00           0.00           418.397.83           216.931.83           257.998.94           4257.998.94           43.827.35           43.827.35           43.827.35           43.827.35           43.827.35           43.827.45           13.131.46           927.686.10           927.686.10           927.686.10           927.686.10           1.860.951.83           1.860.951.83           1.860.9575.82           403.575.82           10,683.079.79           500.00           384.00           5.330.07           28.252.03           2.550.00           37.470.10</td> <td>110,641,58 0,00 405,791,23 210,217,98 250,017,94 43,827,35 43,827,35 43,827,35 127,513,42 899,261,25 1,801,908,25 387,292,51 10,355,536,08 500,00 838,00 0,5,330,07 28,252,03 2,255,000</td> <td>1,117.24 0,00 0,00 12,606.60 6,713.84 6,713.84 7,981.01 7,981.01 7,981.01 0,00 0,00 0,00 0,3,801.20 3,801.20 2,8424.85 59,043.58 59,043.58 16,283.30 16,283.30 327,543.71 0,00 0,00</td> <td>113,758.81 0.00 406,384.62 211,710.20 221,1710.20 221,170.20 221,405.85 43,827.35 43,827.35 128,677.79 128,677.79 128,677.79 128,677.79 128,677.79 388,664.65 1,817,767.70 1,817,767.70 3,86,617.04 3,66,177.04 3,67,179.04 3,67,179.04 3,67,179.04 3,67,179.04 3,67,179.04 3,67,179.04 3,67,179.04 3,67,199.04 3,</td> <td></td>	Subtotal 5102 s determined by annual salary review acation earned Subtotal 5102 school 2015 school 201	168,005,03 0,00 457,079,79 237,084,18 237,084,18 237,084,18 231,980,36 43,827,35 43,827,35 143,462,33 1,013,208,19 2,043,389,84 453,880,74 453,880,74 453,880,74 453,880,74 453,880,74 453,880,74 11,727,600,93 5,330,00 9,380,00 9,380,00 5,330,00 5,330,00 9,380,00 5,330,00 5,350,000,00 5,350,000,000,000,000,000,000,000,000,00	16.925.98           0.00           0.01           51.941.06           27.811.65           27.811.65           33.026.34           43.827.35           43.827.35           43.827.35           9.556.30           19.556.30           19.556.30           19.755.424           252.928.67           9.172.55           9.172.55           1.396,161.98           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.476.00	111.758.81           0.00           0.00           418.397.83           216.931.83           257.998.94           4257.998.94           43.827.35           43.827.35           43.827.35           43.827.35           43.827.35           43.827.45           13.131.46           927.686.10           927.686.10           927.686.10           927.686.10           1.860.951.83           1.860.951.83           1.860.9575.82           403.575.82           10,683.079.79           500.00           384.00           5.330.07           28.252.03           2.550.00           37.470.10	110,641,58 0,00 405,791,23 210,217,98 250,017,94 43,827,35 43,827,35 43,827,35 127,513,42 899,261,25 1,801,908,25 387,292,51 10,355,536,08 500,00 838,00 0,5,330,07 28,252,03 2,255,000	1,117.24 0,00 0,00 12,606.60 6,713.84 6,713.84 7,981.01 7,981.01 7,981.01 0,00 0,00 0,00 0,3,801.20 3,801.20 2,8424.85 59,043.58 59,043.58 16,283.30 16,283.30 327,543.71 0,00 0,00	113,758.81 0.00 406,384.62 211,710.20 221,1710.20 221,170.20 221,405.85 43,827.35 43,827.35 128,677.79 128,677.79 128,677.79 128,677.79 128,677.79 388,664.65 1,817,767.70 1,817,767.70 3,86,617.04 3,66,177.04 3,67,179.04 3,67,179.04 3,67,179.04 3,67,179.04 3,67,179.04 3,67,179.04 3,67,179.04 3,67,199.04 3,	
Salary Adjustment     Vac.       5104     Vac.       5105     Sick       5105     Sick       5105     Sick       5105     Sick       5107     Holi       Holiday Time     Sick       5108     Sick       5109     Sick       5101     Sick       5121     Autt       Payroll Taxes     Autt       5131     Autt       Retirement 401/457     Plan       5141     Con       Health Insurance     Sith       5210     Matt       Office Srvics & Supp.     Office       5216     Misz       Salating Costs     Salation       Sith     Salation       Sith     Salation       Sith     Salation       Sith     Misz       Salation     Matter       Sith     Misz       Salation     Misz	s determined by annual salary review Subtotal 5102 scattion earned Subtotal 5104 ck Time used Subtotal 5104 ck Time used Subtotal 5104 Subtotal 5107 ck Cash Out Expense Earned Uthority contributions to Emp. Ret. Uthority contributions to Emp. Ret. Subtotal 5121 Uthority contributions to Emp. Ret. Subtotal 5121 Uthority cost for Workmen Comp. Ins. Subtotal 5141 Uthority cost for Workmen Comp. Ins. Subtotal 5141 Uthority cost for Workmen Comp. Ins. Subtotal 5141 Subtotal 5142 Subtotal 5142 Subtotal 5142 Subtotal 5142 Subtotal 5141 Subtotal 514	0.00 457,079.79 457,079.79 237,084.18 237,084.18 281,980.36 281,980.36 43,827.35 143,462.33 143,462.33 143,462.33 1,013,208.19 2,043,389.84 453,880.74 453,880.74 453,880.74 11,727,600.93 5,300.77 28,250.00 0,33,470.10 2,569.50 2,569.50	0.00 5.1,941.06 27,811.65 27,811.65 33,026.34 43,827.35 44,827.35 44,955.30 47,755.424 47,755.424 47,772.55 9,172.55 9,172.55 1,396,161.98 0,000 0,0	0.00 418.397.83 216.931.83 216.931.83 257.998.94 43.827.35 43.827.35 43.827.45 131.314.63 927.666.10 927.666.10 1.860.951.83 1.860.951.8555.8555.8555.8555.85555.85555.8555555	0.00 0.00 405,791,23 405,791,23 210,217,98 210,217,98 250,017,94 43,827,35 43,827,35 43,827,35 127,513,42 899,261,25 1899,261,25 1801,908,25 1801,908,25 1801,908,25 1801,908,25 1801,908,25 10,355,536,08 500,00 838,00 5,330,07 28,252,03 2,255,000	0 00 12,606,60 12,606,60 6,713,84 7,981,01 0,00 0,00 0,00 3,801,20 3,801,20 3,801,20 2,8424,85 59,043,58 16,283,30 16,283,30 327,543,71 0,00	000 406,384.62 211,710.20 211,710.20 251,405,85 43,827,35 43,827,35 43,827,35 43,827,35 128,677,79 128,677,79 128,677,79 128,677,79 128,677,79 128,674,55 988,664,65 988,664,65 1,817,767,70 1,817,777,70 1,817,777,70 1,817,777,70 1,817,777,70 1,817,777,70 1,817,777,70 1,817,777,70 1,817,777,70 1,817,777,70 1,817,777,70 1,817,777,70 1,817,777,70 1,817,777,70 1,817,777,7	0 00% 2 96% 2 96% 2 47% 2 47% 2 62% 0 00% 2 05% 3 23% 3 23% 3 23% 10 21% 3 22% 0 00% 2 42% 2 42% 2 42%
5104     Vac.       Vacation Expense     Sick       5105     Sick       5107     Holi       Holiday Time     Sick       5108     Sick Sick Cash Out Earned       5121     Autt       Payroll Taxes     Autt       5131     Autt       Retirement 401/457     Pair       5141     Con       Health Insurance     Sick Cash Out Earned       5143     Autt       Workmen's Comp Ins.     Matt       5210     Autt       Office Srvcs & Supp.     Mita       Siz16     Matt       Siz17     Poil       Mailing Costs     Safa       Siz18     Safa       Siz19     Safa       Siz10     Matt       Siz211     Poil       Siz15     Matt       Siz16     Mair       Siz17     Safa       Mailing Costs     Safa       Siz16     Mair       Siz211     Safa       Mair     Conting, Pers Equip.       Siz211     Safa       Auting     Tor       Siz221     Safa       Siz221     Safa       Siz221     Safa       Siz221     Safa       Siz227	acation earned Subtotal 5104 ck Time used Subtotal 5104 ck Time used Subtotal 5105 oliday Time paid Subtotal 5105 ck Cash Out Expense Earned Subtotal 5105 thoritys contributions to Emp. Ret. Subtotal 5105 thority contributions to Emp. Ret. Subtotal 5113 fan. includes the 401a and the 457 Subtotal 5143 thority contributions to Emp. Ins. Subtotal 5145 Subtotal 5215	457.079.79 457.079.79 237.084.18 237.084.18 237.084.18 237.084.18 237.084.18 281.980.36 43.827.35 43.827.35 143.462.33 1.013.208.19 2.043.389.84 453.880.74 453.880.74 11,727,600.93 500.00 838.00 5.330.07 28.255.00 0.37.470.10 2.569.50 2.569.50	51,941,06 51,941,06 27,811,65 27,811,65 33,026,34 33,026,34 43,827,35 44,827,35	418.397.83 418.397.83 216.931.83 216.931.83 216.931.83 257.998.94 43.827.35 43.827.35 43.827.35 43.827.85 43.827.85 43.827.85 43.827.85 43.827.85 43.827.85 43.827.85 43.827.85 40.951.83 40.3575.82 40.3575.82 10,683.079.79 500.00 838.00 5.330.07 28.252.03 2.2550.00 37.470.10	405,791,23 405,791,23 210,217,98 210,217,98 250,017,94 43,827,35 43,827,35 127,513,42 899,261,25 1,801,908,25 1,801,908,25 1,801,908,25 1,801,908,25 1,801,908,25 1,801,908,25 1,801,908,25 387,292,51 10,355,536,08 500,00 838,00 5,330,07 28,252,03 2,2550,00	12.666.60 12,606.60 6,713.84 6,713.84 7,981.01 7,981.01 7,981.01 0.00 0.00 0.00 0.3,801.20 28,424.85 59,043.58 59,043.58 16,283.30 16,283.30 16,283.30 327,543.71 0.00	406.384.62 406.384.62 211,710.20 211,710.20 211,710.20 211,405.85 251,405.85 43,827.35 43,827.35 43,827.35 43,827.35 43,827.35 898,664.65 1,817,767.70 1,817,767.70 366,177.04 376,177.04 376,177	2 96% 2 95% 2 47% 2 47% 2 47% 2 62% 2 65% 2 05% 2 05%
Vacation Expense 5105 Sick Time 5107 Holiday Time 5108 Sick Cash Out Earned 5127 Sick Cash Out Earned 5121 Autt Payroll Taxes 5131 Sith Out Earned Sith Out Earned	Subtotal 5104 ck Time used Subtotal 5104 ck Time used Subtotal 5105 ck Cash Out Expense Earned Subtotal 5107 ck Cash Out Expense Earned Uthority's Fed & St P/R Taxes Uthority contributions to Emp. Ret. Tan, includes the 401a and the 457 Tan, includes the 401a and the 457 Subtotal 5131 ontribution to medical, den., Vision Subtotal 5141 Uthority cost for Workmen Comp. Ins. Subtotal 5141 Subtotal 5145 Cotal Salary Related uto Cad Related Expenditures filtee Supplies. Substrations. Maos Seference Materials Subtotal 5221 Solage Subtotal 5221 Solage Subtotal 5211 Size. Tools (Wrench, Hammer, Tape Measures, plers,	457,079.79 237,084.18 237,084.18 237,084.18 237,084.18 237,084.18 237,084.18 241,980.36 43,827.35 143,462.33 143,462.33 143,462.33 143,462.33 1,013,208.19 2,043,389.84 453,880.74 453,880.74 453,880.74 453,880.74 453,880.74 11,727,600.93 500.00 838,00 9,550.00 37,470.10 2,559.50 2,559.50	51         941.06           27,811.65         27,811.65           27,811.65         33,026.34           43.026.34         43.827.35           19,556.30         117,504.24           117,504.24         252,928.67           9,172.55         9,172.55           9,172.55         9,172.55           1,396,161.98         0.00           0.00         0.00           0.00         0.00           2476.00         2,476.00	418.397.83 216.931.83 215.998.94 257.998.94 43.827.35 43.827.35 131.314.63 131.314.63 131.314.63 2927.666.10 1.860.951.83 403.575.82 403.575.82 10,683.079.79 500.00 538.00 5.330.07 28.252.03 2.550.00 37.470.10	405,791,23 210,217,98 210,217,98 250,017,94 43,827,35 127,513,42 899,261,25 1,801,908,25 1,801,908,25 387,292,51 10,355,536,08 500,00 838,00 5,530,07 28,252,00	12,006,60 6,713,84 6,713,84 7,981,01 7,981,01 7,981,01 9,000 0,000 3,801,20 3,801,20 3,801,20 2,84,24,85 59,043,58 59,043,58 59,043,58 59,043,58 16,283,30 16,283,30 16,283,30 327,543,71 0,00	406.384.62 211,710.20 251,405.85 251,405.85 43,827.35 128,677.79 128,677.79 128,677.79 898,664.65 1,817,767.70 1,817,767.70 1,817,767.70 3,66,177.04 3,67,177.04 3,77,177.04 3,77,177.04 3,77,177.04 3,77,177.04 3,77,177.04 3,77,177.04 3,77,177.04 3,77,177.04 3,77,177.04 3,77,177.04 3,77,177.04 3,77,177.04 3,77,177.04 3,777.04 3	2.96% 2.47% 2.47% 2.62% 2.62% 2.65% 2.05% 2.05% 2.05% 2.05% 2.05% 2.05% 2.33% 2.38% 2.38% 2.38% 2.38% 2.38% 2.38% 2.38% 2.38% 2.38% 2.25% 2.45%2.45% 2.45%2.45% 2.45% 2.45%2.45% 2.45% 2.45%2.45% 2.45%2.45% 2.45%2.45% 2.45%2.45%
5105     Sick       Sick Time     Floi       For07     Holi       Holiday Time     For08       Sick Cash Out Earned     Sick       Sizk Cash Out Earned     Auth       Payroll Taxes     Flain       Si141     Con       Health Insurance     Flain       Si45     Mailing       Office Srvcs & Supp.     Office       Si210     Auth       Mailing Costs     Safa       Si211     Post       Mailing Costs     Safa       Si211     Safa       Si211     Post       Mailing Costs     Safa       Siz11     Safa       Mailing Costs     Safa       Siz11     Safa       Mailing Costs     Jani       Siz210     Safa       Mailing Costs     Jani       Siz21     Safa       Siz21     Safa       Mailing     Earned       Siz227     USB       Clothing, Pers Equip.     Siz       Siz227     USB       Clothing, Consult     Siz       Siz227     Lin	ck Time used Subtotal 5105 oliday Time paid ck Cash Out Expense Earned Subtotal 5105 thoritys check St P/R Taxes uthoritys contributions to Emp. Ret. Tan. includes the 401a and the 457 Subtotal 5131 ontribution to medical, den., Vision Subtotal 5141 tuthority cost for Workmen Comp. Ins. Subtotal 5145 <b>Total Salary Related Xeduated Stopper United Xedu</b>	237,084,18 281,980,36 281,980,36 43,827,35 143,462,33 143,462,33 143,462,33 143,462,33 1,013,208,19 2,043,389,84 453,880,74 453,880,74 453,880,74 453,880,74 453,880,74 11,727,600,93 500,00 838,00 5,509,50 3,450,000 3,450,0000 3,450,0000 3,450,0000 3,450,0000 3,450,0000 3,450,0000 3,	27,811.65 33,026.34 43,827.35 43,827.35 43,827.35 19,556.30 19,556.30 117,504.24 117,504.24 252,928.67 262,928.67 9,172.55 1,396,161.98 0,000 0,000 0,2476.00 2,476.00 2,476.00	216 931 83 257,998 94 257,998 94 43 827,35 43 827,35 131,314 63 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 93,80,079,79 10,683,079,79 10,683,079,79 5,330,07 5,330,07 28,252,03 2,550,00 37,470.10	210,217,98 210,217,98 250,017,94 250,017,94 43,827,35 127,513,42 127,513,42 899,261,25 1,801,908,25 1,801,908,25 1,801,908,25 1,801,908,25 1,801,908,25 1,801,908,25 387,292,51 10,355,536,08 500,00 5,330,07 28,252,03 2,2550,00	6,713,84 6,713,84 7,981,01 7,981,01 0,00 0,00 0,00 0,3,801,20 3,801,20 2,8,424,85 59,043,58 16,228,30 16,283,30 327,543,71 0,00 0,00 0,00	211,710,20 251,405,65 251,405,65 251,405,65 251,405,65 43,827,35 43,827,35 128,677,79 128,677,79 128,677,79 128,677,79 188,664,65 1,817,767,70 1,817,767,70 3,66,177,04 3,66,1	2.47% 2.47% 2.42% 2.62% 2.62% 0.00% 2.05% 2.05% 3.23% 3.23% 10.21% 10.21% 3.22% 0.00% 2.42%
Sick Time	Subtotal 5105 ck Cash Out Expense Earned Subtotal 5107 ck Cash Out Expense Earned Subtotal 5107 Subtotal 5107 Subtotal 5127 Subtotal 5127 Tan, includes the 401a and the 457 an, includes the 401a and the 457 Subtotal 5131 Subtotal 5131 Subtotal 5141 Subtotal 5141 Subtotal 5147 Subtotal 5217 Subtotal 5217 Subto	237,084,18 281,980,36 281,980,36 43,827,35 143,462,33 143,462,33 143,462,33 143,462,33 1,013,208,19 2,043,389,84 453,880,74 453,880,74 453,880,74 453,880,74 453,880,74 11,727,600,93 500,00 838,00 5,509,50 3,450,000 3,450,0000 3,450,0000 3,450,0000 3,450,0000 3,450,0000 3,450,0000 3,	27,811.65 33,026.34 43,827.35 19,556.30 19,556.30 117,504.24 117,504.24 117,504.24 252,928.67 9,172.55 9,172.55 9,172.55 1,396,161.98 0,00 0,00 0,00 0,2476.00 2,476.00	216 931 83 257,998 94 257,998 94 43 827,35 43 827,35 131,314 63 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 927,686.10 93,80,079,79 10,683,079,79 10,683,079,79 5,330,07 5,330,07 28,252,03 2,550,00 37,470.10	210,217,98 250,017,94 43,827,35 127,513,42 899,261,25 1,801,908,25 1,801,908,25 387,292,51 10,355,536,08 500,00 838,00 5,330,07 28,252,00	6,713,84 7,981,01 7,981,01 0,000 3,801,20 28,424,85 59,043,58 59,043,58 59,043,58 16,223,30 16,223,30 3227,543,71 0,00 0,000	211,710,20 251,405,85 251,405,85 43,827,35 128,677,79 128,677,79 9878,664,65 1,817,767,70 1,817,767,70 1,817,767,70 3,66,177,04 3,67,177,04 3,77,177,04 3,77,177,04 3,77,177,04 3,77,177,04 3,77,177,04 3,77,177,04 3,77,177,04 3,77,177,04 3,77,177,04 3,77,177,04 3,77,177,04 3,77,177,04 3,77,177,04 3,77,177,04 3,77,177,04 3,77,177,04 3,7777,04 3,7777,04 3,7777,04 3,7777,04 3,7777,04 3,777	2.47% 2.62% 0.00% 2.05% 2.05% 3.23% 3.23% 2.38% 2.38% 10.21% 3.22% 0.00% 0.00% 2.42%
Holiday Time Holiday Time Site Store	Subtolal 5107 KC Cash Out Expense Earned Uthority's Fed & SL P/R Taxes Uthority's Fed & SL P/R Taxes Uthority contributions to Emp. Ret. Subtolal 5121 Contribution to medical, den., Vision Uthority cost for Workmen Comp. Ins. Subtolal 5141 Uthority cost for Workmen Comp. Ins. Subtolal 5141 Uthority cost for Workmen Subtolal 5141 Subtolal 5145 Cotal Salary Related Uto Cad Related Expenditures. These Equipments Subscriptions. Maps eference Materials Subtolal 5210 pslage Subtolal 5211 Sc. Tools (Wrench, Hammer, Tape Measures, plers, Subtolal 5212	281,980,36 43,827,35 43,827,35 143,462,33 143,462,33 1,013,208,19 2,043,389,84 453,880,74 453,880,74 453,880,74 11,727,600,93 500,00 838,00 5,330,07 28,255,00 37,470,10 2,569,50 2,569,50	33 026 34 43,827 35 43 827 35 19,556 30 117,504 24 117,504 24 117,504 24 117,504 24 252,928 67 9,172 55 9,172 55 1,396,161.98 0,00 0,00 0,2476.00 2,476.00 2,476.00	257,988,44 43,827,35 43,827,35 131,314,63 927,686,10 927,686,10 1,860,951,83 403,575,82 403,575,82 403,575,82 10,683,079,79 500,00 838,000 5,330,07 28,252,03 2,2550,00 37,470,10	250 017.94 43.827.35 43.827.35 127.513.42 899.261.25 1.801.908.25 1.801.908.25 387.292.51 10,355,536.08 500.00 838.00 5.330.07 28.252.03 2.2550.00	7,981.01 7,991.01 0.00 3,801.20 3,801.20 2,8424.85 59,043.58 59,043.58 16,283.30 16,283.30 327,543.71 0.00 0.00	251.406.85 43.827.35 43.827.35 128.677.79 898.664.65 898.664.65 1.817.767.70 366.177.04 1.817.767.70 366.177.04 10.349.597.15 500.00 838.00 5.468.13 28.972.43	2.62% 0.00% 2.05% 2.05% 3.23% 3.23% 2.38% 2.38% 10.21% 3.22% 0.00% 0.00% 2.49%
5108     Stek       Sixk Cash Out Earned     Stel       Sixk Cash Out Earned     Stel       Sixt Tass     Autt       Payroll Taxes     Autt       Sixt Cash Out Earned     Autt       Sixt Cash Out Earned     Autt       Retirement 401/457     Pla       Sixt Tass     Autt       Workmen's Comp Ins.     Stat       Sixt Office Srvcs & Supp.     Office       Sixt Office Srvcs & Supp.     Office       Sixt Office Srvcs & Supp.     Mail       Office Srvcs & Supp.     Office       Sixt Office Srvcs & Supples     Staffice       Sixt Office Srvcs & Supples     Janitorial Svcs & Supples       Sixt Office Srvcs & Supples     Janitorial Svcs & Supples       Sixt On Stationary Office     Sixt On Stationary Office       Sixt Office Srvcs & Supples     Janitorial Svcs & Supples       Sixt Office Srvcs & Supples     Janitorial Svcs & Autt       Sixt Office Srvcs & Supples     Janitorial Svcs & Supples       Sixt Office Srvcs & Supples     Janitorial Svcs & Supples       Sixt Office Srvcs & Supples     Janitorial Svcs & Supples	ck Cash Out Expense Earned Subtotal 5106 Uthority's Fed & St P/R Taxes Subtotal 5107 Uthority contributions to Emp. Ret. Ian, includes the 401a and the 457 Subtotal 5131 Uthority cost for Workmen Comp. Ins. Subtotal 5141 Uthority cost for Workmen Comp. Ins. Subtotal 5145 Total Salary Related Uto Cad Related Expenditures fifee Subiles Subscriptions. Maos eference Materials Subtotal 5212 stage Subtotal 5211 isc. Tools (Wrench, Hammer, Tape Measures, pilers,	4 3,827,35 4 3,827,35 1 43,462,33 1 43,462,33 1 (013,208,19 2 ,043,389,84 4 53,880,74 4 53,880,74 4 53,880,74 4 53,880,74 1 1,727,600,93 5 ,500,00 8 38,00 5 ,330,07 2 6,250,03 2 ,550,00 3 7,470,10 2 ,569,50 2 ,569,50	43 827.35 43 827.35 19,556.30 19,556.30 19,556.30 117,504.24 252,928.67 9,172.55 9,172.55 9,172.55 1,396,161.98 0,000 0,000 0,2476.00 2,476.00 2,476.00	43 827 35 43 827 35 131 314 63 131 314 63 927 686.10 927 686.10 1.860 951 83 1.860 951 850 955 1.860 955 855 1.860 955 855 1.860 955	43,827,35 43,827,35 127,513,42 899,261,25 1,801,908,25 387,292,51 10,355,536,08 500,00 838,00 533,07 28,252,00	0.00 0.00 3.80120 2.8.424.85 59.043.58 16.283.30 16.283.30 327,543.71 0.00 0.00 0.00	4 3,827,35 4 3,827,35 1 28,677,79 1 28,677,79 1 98,664,65 898,664,65 1,817,767,70 1,817,767,70 3,866,177,04 3,666,177,04 10,349,597,15 500,00 8,38,00 5,468,13 28,972,43	0.00% 0.00% 2.05% 3.23% 2.38% 2.38% 2.38% 10.21% 3.22% 0.00% 0.00% 0.00% 2.42%
Sirk Cash Out Earned	Subtotal 5105 Uthority's Fed & St P/R Taxes Subtotal 5105 Uthority's contributions to Emp. Ret. Ini, includes the 401a and the 457 Subtotal 5131 Subtotal 5131 Subtotal 5131 Subtotal 5141 Uthority cost for Workmen Comp. Ins. Subtotal 5145 <b>Total Salary Related</b> Uto Cad Related Expenditures The E squinens Subscriptions. Mags eference Materials Subtotal 5217 Distage Subtotal 5217	43.827.83 143,462.33 143,462.33 1,013,208.19 2,043,389.84 2,043,389.84 453,880.74 453,880.74 453,880.74 11,727,600.93 5,00.00 8,38,00 9,330,07 28,255,00 37,470.10 2,569,50 2,569,50	43 827.35 19,556.30 19,556.30 117,504.24 117,504.24 252,928.67 9,172.55 9,172.55 1,396,161.98 0,00 0,000 2,476.00 2,476.00 2,476.00	4 8 87 35 3 131 314 63 131 314 63 927 686 10 927 686 10 1.860 951 83 403 575 82 403 575 82 10,683,079.79 500.00 888.00 5.330.07 2.8252.03 2.2550.00 37.470.10	43.827.35 127,513.42 127,513.42 899,261.25 1.801,908.25 387,292.51 10,355,536.08 500.00 838.00 5.330.07 28.252.03 2.2550.00	0 00 3,801.20 3,801.20 28,424.85 59,043.88 16,283.30 16,283.30 327,543.71 0,00 0,00	43.827.35 128.677.79 128.677.79 898.664.65 998.664.65 1.817.767.70 366.177.04 366.177.04 366.177.04 366.177.04 383.00 533.00 533.00 5.468.13 28.972.43	0.00% 2.05% 3.23% 3.23% 2.38% 2.38% 10.21% 3.22% 0.00% -2.52% -2.49%
\$121     Autt       Payroll Taxes     Autt       \$1311     Autt       Retirement 401/457     Pair       \$141     Con       \$141     Con       \$141     Con       \$141     Con       \$145     Autt       \$147     Con       \$141     Con       \$145     Autt       Workmen's Comp Ins.     Stat       \$210     Autt       Office Srvcs & Supp.     Office       \$211     Main       Office Srvcs & Supp.     Miss       Saling Costs     Saft       \$221     Kair       Autt     Autt       \$221     Saft       \$222     Saft       \$223 <t< td=""><td>uthority's Fed &amp; St P/R Taxes Subtotal 5121 Uthority contributions to Emp. Ret. Tan, includes the 401a and the 457 Uthority contribution to medical, den., Vision Subtotal 5131 Uthority cost for Workmen Comp. Ins. Subtotal 5141 Uthority cost for Workmen Comp. Ins. Subtotal 514 Ithority cost for Workmen Comp. Ins. Subtotal 521 Ithority cost for Workmen Comp. Ins. Subtotal 5211 Ithority cost for Workmen Comp. Ins. Subtotal 5211 Ithority cost for Workmen Comp. Ins. Subtotal 5211 Ithority cost for Workmen Comp. Ins. Subtotal 521 Ithority cost fo</td><td>143,462,33 143,462,33 1,013,208,19 2,043,389,84 453,880,74 453,880,74 453,880,74 453,880,74 11,727,600,93 500,00 838,00 9,53,30,07 28,252,03 2,250,00 0,37,470,10 2,569,50 2,569,50</td><td>19,556,30 117,504,24 117,504,24 252,928,67 9,172,55 9,172,55 1,396,161,98 0,00 0,00 0,00 0,00 0,00 0,2,476,00 2,476,00</td><td>131.314.63 131.314.63 927.686.10 927.686.10 1.860.951.83 1.860.951.83 403.575.82 403.575.82 10,683.079.79 500.00 838.00 5.330.07 28.252.03 2.550.00 37.470.10</td><td>127,513,42 127,513,42 899,261,25 1,801,908,25 1,801,908,25 387,292,51 10,355,536,08 500,00 838,00 0,5330,07 28,252,03 2,250,00</td><td>3,801 20 3,801.20 28,424.85 59,043.58 16,283.30 16,283.30 327,543.71 0.00 0.000 0.000</td><td>128,677.79 128,677.79 898,664.65 1,817,767.70 1,817,767.70 366,177.04 366,177.04 10,349,597.15 500.00 838.00 5,468.13 28,972.43</td><td>2.05% 2.05% 3.23% 2.38% 2.38% 10.21% 10.21% 3.22% 0.00% -2.52% 2.49%</td></t<>	uthority's Fed & St P/R Taxes Subtotal 5121 Uthority contributions to Emp. Ret. Tan, includes the 401a and the 457 Uthority contribution to medical, den., Vision Subtotal 5131 Uthority cost for Workmen Comp. Ins. Subtotal 5141 Uthority cost for Workmen Comp. Ins. Subtotal 514 Ithority cost for Workmen Comp. Ins. Subtotal 521 Ithority cost for Workmen Comp. Ins. Subtotal 5211 Ithority cost for Workmen Comp. Ins. Subtotal 5211 Ithority cost for Workmen Comp. Ins. Subtotal 5211 Ithority cost for Workmen Comp. Ins. Subtotal 521 Ithority cost fo	143,462,33 143,462,33 1,013,208,19 2,043,389,84 453,880,74 453,880,74 453,880,74 453,880,74 11,727,600,93 500,00 838,00 9,53,30,07 28,252,03 2,250,00 0,37,470,10 2,569,50 2,569,50	19,556,30 117,504,24 117,504,24 252,928,67 9,172,55 9,172,55 1,396,161,98 0,00 0,00 0,00 0,00 0,00 0,2,476,00 2,476,00	131.314.63 131.314.63 927.686.10 927.686.10 1.860.951.83 1.860.951.83 403.575.82 403.575.82 10,683.079.79 500.00 838.00 5.330.07 28.252.03 2.550.00 37.470.10	127,513,42 127,513,42 899,261,25 1,801,908,25 1,801,908,25 387,292,51 10,355,536,08 500,00 838,00 0,5330,07 28,252,03 2,250,00	3,801 20 3,801.20 28,424.85 59,043.58 16,283.30 16,283.30 327,543.71 0.00 0.000 0.000	128,677.79 128,677.79 898,664.65 1,817,767.70 1,817,767.70 366,177.04 366,177.04 10,349,597.15 500.00 838.00 5,468.13 28,972.43	2.05% 2.05% 3.23% 2.38% 2.38% 10.21% 10.21% 3.22% 0.00% -2.52% 2.49%
Payroll Taxes       Payroll Taxes       5131     Autt       Retirement 401/457     Plas       5141     Con       Health Insurance     5145       St45     Autt       Workmen's Comp Ins.     Image: Comp Comp Comp Comp Comp Comp Comp Comp	Subtotal 5121 Whorthy contributions to Emp. Ret. Value of the 401a and the 457 Subtotal 5131 Subtotal 5131 Subtotal 5141 Subtotal 5141 Subtotal 5141 Subtotal 5145 Total Salary Related Uto Cad Related Expenditures free Equipment (less than 5500) aintenance Contracts free Subers Substrictions. Mass efference Materials Subtotal 5211 Subtotal 521 Sub	143.462.33 1,013.208.19 2,043.389.84 2,043.389.84 453.880.74 11,727,600.93 500.00 838.00 5,330.07 28,250.03 2,550.00 037,470.10 2,569.50 2,569.50	19,556,30 117,504,24 117,504,24 252,928,67 9,172,55 9,172,55 1,396,161,98 0,00 0,00 0,00 0,00 0,00 0,2,476,00 2,476,00	131,314,63 927,686,10 927,686,10 1,860,951,83 403,575,82 403,575,82 10,683,079,79 500,00 838,00 5,330,07 28,252,03 2,550,00 37,470,10	127,513,42 899,261,25 899,261,25 1,801,908,25 1,801,908,25 387,292,51 10,355,536,08 500,00 838,00 5,330,07 28,252,03 2,255,000	3.801.20 28,424.85 59,043.58 59,043.58 16,283.30 16,283.30 327,543.71 0.00 0.00 0.00	128,677,79 898,664,65 1,817,767,70 366,177,04 10,349,597,15 500,00 838,00 5,468,13 28,972,43	3.23% 2.38% 2.38% 10.21% 10.21% 3.22% 0.00% -2.52% -2.49%
Retirement 401/457 Plan S141 Con Health Insurance S145 Aut Workmen's Comp Ins. S210 Office Srvcs & Supp. Offic S211 Post Mailing Costs S216 Miss Salational Tools Safa Salational Svcs & Supples Jani Janitorial Svcs & Supples Jani S227 USB S228 Aud Auditing Cosult S229 Linn S314 Socies Safa S34	Ian, includes the 401a and the 457 Subtotal 5131 subtotal 5131 Subtotal 5141 Subtotal 5145 Total Salary Related Uto Cad Related Expenditures files Gaugiment (less than 5500) aintenance Contracts eference Materials Subtotal 5211 Subtotal 5212 Subtotal 5212 Subtota	1,013,208.19 2,043,389.84 453,880.74 453,880.74 11,727,600.93 5,330.07 28,250.00 05,330.07 28,252.03 2,550.00 037,470.10 2,569,50 2,569,50	117,504.24 252,928.67 9,172.55 9,172.55 1,396,161.98 0.00 0.00 0.00 2.476.00 0.2476.00	927,686.10 1,860,951.83 1,860,951.83 403,575.82 10,683,079.79 500.00 838.00 5,330.07 28,252.03 2,550.00 037,470.10	899,261.25 1,801,908.25 1,801,908.25 387,292.51 10,355,536.08 500.00 838.00 5,330.07 28,252.03 2,255.000	28,424.85 59,043.58 59,043.58 16,283.30 16,283.30 327,543.71 0.00 0.00 0.00 0.00	898,664.65 1,817,767.70 1,817,767.70 366,177.04 366,177.04 10,349,597.15 500.00 838.00 5,468.13 28,972,43	3.23% 2.38% 2.38% 10.21% 10.21% 3.22% 0.00% 0.00% -2.52% -2.49%
5141     Con       Health Insurance     Autt       5145     Autt       Workmen's Comp Ins.     E       5210     Autt       Office Srvcs & Supp.     Office       S211     Post       Mailing Costs     E       5216     Misia       Safall Tools     Safa       5221     Safa       S221     Safa       S221     Safa       S221     Safa       S221     Safa       S221     Safa       S221     Safa       S222     USB       ONF     ONF       S221     Safa       S221     Safa       S221     Safa       S221     Safa       S223     Auditing       S224     Auditing       S229     Linn	Subtolal 5131 Ontribution to medical, den., Vision Subtolal 5131 Uthority cost for Workmen Comp. Ins. Subtolal 5141 Cotal Salary Related Uto Cad Related Expenditures These Equipment (less than 5500) aintenance Contracts eference Materials Subtolal 5211 pslage Subtolal 5211 sc. Tools (Wrench, Hammer, Tape Measures, plers,	2,043,389,84 4,043,389,84 4,53,880,74 11,727,600,93 500,00 5,330,07 28,252,03 2,550,00 37,470,10 2,569,50 2,569,50	252,928.67 9,172.55 9,172.55 1,396,161.98 0.00 0.00 2.476.00 0.00 2,476.00	1,860,951.83 1,860,951.83 403,575.82 403,575.82 10,683,079.79 500.00 838.00 5,330.07 28,252.03 2,550.00 037,470.10	1,801,908,25 1,801,908,25 387,292,51 10,355,536,08 500,00 838,00 5,330,07 28,252,03 2,550,00	59,043.58 59,043.58 16,283.30 16,283.30 327,543.71 0.00 0.00 0.00 0.00 0.00	1,817,767.70 1,817,767.70 366,177.04 366,177.04 10,349,597.15 500.00 838.00 5,468.13 28,972.43	2.38% 2.38% 10.21% 10.21% 3.22% 0.00% 0.00% -2.52% -2.49%
Health Insurance     221       5145     Autt       S210     Autt       Office Srvcs & Supp.     Office       5211     Post       Mailing Costs     Safa       S216     Miss       Small Tools     Safa       S221     Safa       S221     Safa       S221     Safa       Size     Jani       Janitorial Social Supplies     Jani       S227     USB       Conjineering Consult     Conjineering Consult       Auditing     Esze?       Auditing     Esze?	ontribution to medical, den., Vision Subtotal 5141 Subtotal 5145 Total Salary Related Uto Cad Related Expenditures fifee Equipment (less than 5500) aintenance Contracts fifee submers. Subscriptions. Maos eference Materials Subtotal 5210 ostage Subtotal 5211 isc. Tools (Wrench, Hammer, Tape Measures, pilers,	2,043,389,84 4,043,389,84 4,53,880,74 11,727,600,93 500,00 5,330,07 28,252,03 2,550,00 37,470,10 2,569,50 2,569,50	252,928.67 9,172.55 9,172.55 1,396,161.98 0.00 0.00 2.476.00 0.00 2,476.00	1,860,951.83 1,860,951.83 403,575.82 403,575.82 10,683,079.79 500.00 838.00 5,330.07 28,252.03 2,550.00 037,470.10	1,801,908,25 1,801,908,25 387,292,51 10,355,536,08 500,00 838,00 5,330,07 28,252,03 2,550,00	59,043.58 59,043.58 16,283.30 16,283.30 327,543.71 0.00 0.00 0.00 0.00 0.00	1,817,767.70 1,817,767.70 366,177.04 366,177.04 10,349,597.15 500.00 838.00 5,468.13 28,972.43	2.38% 2.38% 10.21% 10.21% 3.22% 0.00% 0.00% -2.52% -2.49%
Health Insurance     221       5145     Autt       S210     Autt       Office Srvcs & Supp.     Office       5211     Post       Mailing Costs     Safa       S216     Miss       Small Tools     Safa       5221     Safa       S221     Safa       S221     Safa       Sintorial Tools     Safa       S221     Safa       S223     Jani       S229     Linn	Subtotal 5141 Subtotal 5141 Subtotal 5141 Subtotal 5144 Total Salary Related to Cad Related Expenditures fifte E duplement (less than 5500) aintenance Contracts eference Materials Subtotal 5210 pstage Subtotal 5211 sc. Tools (Wrench, Hammer, Tape Measures, pilers,	2,043,389.84 453,880.74 11,727,600.93 500.00 838.00 5,330.07 28,252.03 2,559.00 37,470.10 2,569.50 2,569.50	252,928.67 9,172.55 9,172.55 1,396,161.98 0.00 0.00 2.476.00 0.00 2,476.00	1,860,951.83 403,575.82 403,575.82 10,683,079.79 500.00 838.00 5,330.07 28,252.03 2,550.00 37,470.10	1,801,908.25 387,292.51 387,292.51 10,355,536.08 500.00 838.00 5,330.07 28,252.03 2,550.00	59,043.58 16,283.30 16,283.30 327,543.71 0.00 0.00 0.00 0.00	1,817,767.70 366,177.04 366,177.04 10,349,597.15 500.00 838.00 5,468.13 28,972.43	2.38% 10.21% 10.21% 3.22% 0.00% 0.00% -2.52% -2.49%
\$145     Autt       Workmen's Comp Ins.	uthority cost for Workmen Comp. Ins. Subtotal 514 Total Salary Related Uto Cad Related Expenditures fifice Equipment (less than \$500) aintenance Contracts fifice Suboles Subscriptions. Maos ference Materials Subtotal 5211 st. Tools (Wrench, Hammer, Tape Measures, pilers,	453,880.74 453,880.74 11,727,600.93 500.00 838.00 5,330.07 28,250.00 37,470.10 2,569.50 2,569.50 2,569.50	9,172.55 9,172.55 1,396,161.98 0.00 0.00 2.476.00 0.00 0.00 2,476.00	403,575.82 403,575.82 10,683,079.79 500.00 838.00 5,330.07 28.252.03 2,550.00 37,470.10	387,292.51 387,292.51 10,355,536.08 500.00 838.00 5,330.07 28,252.03 2,550.00	16,283.30 16,283.30 327,543.71 0.00 0.00 0.00 0.00	366,177.04 366,177.04 10,349,597.15 500.00 838.00 5,468.13 28.972.43	10.21% 10.21% 3.22% 0.00% 0.00% -2.52% -2.49%
Workmen's Comp Ins. 5210 Office Srvcs & Supp. Main Office Srvcs & Supp. Main S211 Post Main S211 Post Main S216 Miss Safa Small Tools Safa Safa Small Tools Safa Safa Safa Safa Safa Safa Safa Saf	Subtotal 5145 Total Salary Related Uto Cad Related Expenditures The Equipment (less than 5500) aintenance Contracts eference Materials costage Subtotal 5210 ostage Subtotal 5211 isc. Tools (Wrench, Hammer, Tape Measures, pilers,	453,880.74 11,727,600.93 500.00 838.00 5,330.07 28,252.03 2,550.00 37,470.10 2,569.50 2,569.50	9,172.55 1,396,161.98 0.00 0.00 2.476.00 0.00 2,476.00	403,575.82 10,683,079.79 500.00 838.00 5,330.07 28.252.03 2,550.00 37,470.10	387,292.51 10,355,536.08 500.00 838.00 5,330.07 28,252.03 2,550.00	16,283.30 327,543.71 0.00 0.00 0.00 0.00	366,177.04 10,349,597.15 500.00 838.00 5,468.13 28,972.43	3.22% 0.00% 0.00% -2.52% -2.49%
5210     Autu       Office Srvcs & Supp.     Office Srvcs       S211     Post       Mailing Costs     Soft       5216     Miss       Small Tools     Safe       S221     Safe       S221     Safe       S221     Safe       S221     Safe       S221     Safe       S221     Safe       S226     Jani       Janitorial Svcs & Supplies     Jani       S227     USB       Conting Consult     Sz28       Auditing     Sz29       Linn     Sz29	Total Salary Related uto Cad Related Expenditures fifte 6 Supplies antenance Contracts Generace Materials Subtotal S210 ostage Subtotal S211 sc. Tools (Wrench, Hammer, Tape Measures, pilers,	11,727,600.93 500.00 838.00 5,330.07 28,252.03 2,550.00 37,470.10 2,569.50 2,569.50	0.00 0.00 2.476.00 0.00 2,476.00	10,683,079.79 500.00 838.00 5,330.07 28.252.03 2,550.00 37,470.10	10,355,536.08 500.00 838.00 5,330.07 28.252.03 2,550.00	327,543.71 0.00 0.00 0.00 0.00	10,349,597.15 500.00 838.00 5,468.13 28.972.43	3.22% 0.00% 0.00% -2.52% -2.49%
Office Srvcs & Supp. Office Srvcs & Supp. 5211 Mailing Costs 5216 Small Tools 5227 Clothing, Pers Equip. 5227 Clothing, Pers Equip. 5227 Clothing, Pers Equip. 5227 USB Engineering Consult. 5228 Aud Auditing 5229 Linn	uto Cad Related Expenditures ffice Equipment (less than \$500) aintenance Contracts ffice Sucolies. Subscriptions. Mans ference Materials Subtotal 5211 stage Subtotal 5211 isc. Tools (Wrench, Hammer, Tape Measures, pilers,	500.00 838.00 5,330.07 28.252.03 2,550.00 37,470.10 2,569.50 2,569.50	0.00 0.00 2.476.00 0.00 2,476.00	500.00 838.00 5,330.07 28,252.03 2,550.00 37,470.10	500.00 838.00 5,330.07 28.252.03 2,550.00	0.00 0.00 0.00 0.00	500.00 838.00 5,468.13 28.972.43	0.00% 0.00% -2.52% -2.49%
Office Srvcs & Supp. Office Srvcs & Supp. 5211 Mailing Costs 5216 Small Tools 5227 Clothing, Pers Equip. 5227 Clothing, Pers Equip. 5227 Clothing, Pers Equip. 5227 USB Engineering Consult. 5228 Aud Auditing 5229 Linn	ffice Equipment (less than \$500) aintenance Contracts. ffice Supolles. Subscriptions. Maps ference Materials Subtotal 5211 stage Subtotal 5211 isc. Tools (Wrench, Hammer, Tape Measures, pilers,	838.00 5,330.07 28.252.03 2,550.00 37,470.10 2,569.50 2,569.50	0.00 0.00 2.476.00 0.00 2,476.00	838.00 5,330.07 28.252.03 2,550.00 37,470.10	838.00 5,330.07 28.252.03 2,550.00	0.00 0.00 0.00	838.00 5,468.13 28.972.43	0.00% -2.52% -2.49%
Mail     Mail       Office     Ref       S211     Post       Mailing Costs     Safe       S216     Mila       Small Tools     Safe       Safe     Pair       Station     Rain       S221     Safe       S221     Rain       S226     Jani       Janitorial Svcs & Supplies     Jani       Janitorial Svcs & Supplies     Jani       S228     Aud       Audring     S229       Linn     S229	aintenance Contracts files Subbles Subscriutions. Maos eference Materials subtotal 5210 ostage Subtotal 5211 isc. Tools (Wrench, Hammer, Tape Measures, pilers,	5,330.07 28.252.03 2,550.00 37,470.10 2,569.50 2,569.50	0.00 2.476.00 0.00 2,476.00	5,330.07 28.252.03 2,550.00 37,470.10	5,330.07 28.252.03 2,550.00	0.00	5,468.13 28.972.43	-2.52%
S211 Point Section 2015 Point	ffice Subbscribtions. Maos eference Materials Subtotal 521C sstage Subtotal 5211 isc. Tools (Wrench, Hammer, Tape Measures, pilers,	28.252.03 2,550.00 37,470.10 2,569.50 2,569.50	2.476.00 0.00 2,476.00	28.252.03 2,550.00 37,470.10	28.252.03 2,550.00	0.00	28.972.43	-2.49%
Refe           5211         Post           Mailing Costs         Sile           5216         Milics           Small Tools         Safe           Pair         Pair           Station         Pair <td< td=""><td>eference Materials Subtotal 5210 ostage Subtotal 5211 isc. Tools (<i>Wrench, Hammer, Tape Measures, pliers,</i></td><td>2,550.00 37,470.10 2,569.50 2,569.50</td><td>0.00 2,476.00</td><td>37,470.10</td><td>2,550.00</td><td>0.00</td><td>2,550.00</td><td></td></td<>	eference Materials Subtotal 5210 ostage Subtotal 5211 isc. Tools ( <i>Wrench, Hammer, Tape Measures, pliers,</i>	2,550.00 37,470.10 2,569.50 2,569.50	0.00 2,476.00	37,470.10	2,550.00	0.00	2,550.00	
Mailing Costs 221 S216 Mitic S716 Mitic Safat Safat S221 Safat S221 Safat S221 Raine S221 Safat S221 Safat S221 Safat S223 Janitorial Sves & Supples Janit Janitorial Sves & Supples Janit S227 USB S228 Aud Auditing S229 Linn	ostage Subtotal 5211 isc. Tools ( <i>Wrench, Hammer, Tape Measures, pliers,</i>	2,569.50 2,569.50						0.00%
Mailing Costs 221 S216 Mitic S716 Mitic Safat Safat S221 Safat S221 Safat S221 Raine S221 Safat S221 Safat S221 Safat S223 Janitorial Sves & Supples Janit Janitorial Sves & Supples Janit S227 USB S228 Aud Auditing S229 Linn	Subtotal 5211 isc. Tools (Wrench, Hammer, Tape Measures, pliers,	2,569.50	100.00	2.569.50	2.569.50	0.00	38,328.56	-2.24%
5216 Miss Srall Tools Safe New Pair 5221 Safe Rair Clothing, Pers Equip. Arc 5226 Janitorial Svcs & Supplies Jani Janitorial Svcs & Supplies Jani 5227 USB Engineering Consult. Autor 5228 Autor 5229 Linn	isc. Tools (Wrench, Hammer, Tape Measures, pliers,	14 500.00	100.00	2,569.50	2,569.50	0.00	2,569.50	0.00%
Small Tools Safe New Pair 5221 Safe Safe Safe Safe Safe Safe Safe Safe			0.00	16,500.00	16,500.00	0.00	13,300.00	24.06%
S221 Safe Glothing, Pers Equip. S226 Janio Janitorial Sves & Supplies Jani S227 USB S227 USB S228 Aud Auditing S229 Linn	licrometer, Landscaping Tools, Etc.)						· · · · · ·	
Pair           5221         Safe           Rair         Rair           Clothing, Pers Equip.         Ar           5226         Janitorial Svcs & Supplies           Janitorial Svcs & Supplies         Janitorial Svcs           5227         USB           Engineering Consult.         S228           5229         Linn	afety Equipment/Instruments	2,600.00	0.00	2,600.00	2,600.00	0.00	1,600.00	62.50%
S221 Safe Rain S226 Jani S226 Jani S227 USB S227 USB S227 USB S228 Aud Auditing S229 Linn	ew tools(Apptcs, Helper & Plant Mech) ainting Tools & Equip. (less than \$500)	7,000.00	0.00	7,000.00	7,000.00	0.00	200.00	3400.00%
Clothing, Pers Equip. S226 Janitorial Svcs & Supplies Jani Janitorial Svcs & Supplies Jani S227 USB Engineering Consult. S228 Aud Auditing S229 Linn	Subtotal 5216	27,100.00	0.00	27,100.00	27,100.00	0.00	16,100.00	68.32%
Clothing, Pers Equip. 5226 Jani Janitorial Svcs & Supplies Jani 5227 USB Conversion of the second	afety Glasses, Gloves, Coveralls, Hard Hat, Safety Boots,	24,000.00	100.00	24,000.00	24,000.00	0.00	21,300.00	12.68%
Clothing, Pers Equip. Jani 5226 Janitorial Sves & Supplies Jani 5227 USB 5227 USB 5227 USB 0NF Engineering Consult 5228 Aud Auditing 5229 Linn	ain Gear, Ear Plugs, Face Shields, Etc.							
5226 Janitorial Svcs & Supplies Jani 5227 USB Engineering Consult. 5228 Auditing 5229 Linn 5229 Linn	rc Flash PPE, Monitoring Equipment Subtotal 5221	4,900.00 28,900.00	0.00	4,900.00 28,900.00	4,900.00 28,900.00	0.00	4,200.00 25,500.00	16.67% 13.33%
Janitorial Svcs & Supplies Jani 5227 USB OVIV Engineering Consult. 5228 Aud Auditing 5229 Linn	anitorial Services	43,487.43	8,600.00	43,487.43	43,487.43	0.00	43,287.43	0.46%
ONF Engineering Consult. 5228 Aud Auditing 5229 Linn	anitorial Supplies	4,700.00	0.00	4,700.00	4,700.00	0.00	4,700.00	0.00%
ONF Engineering Consult. 5228 Aud Auditing 5229 Linn	Subtotal 5226	48,187.43	8,600.00	48,187.43	48,187.43	0.00	47,987.43	0.42%
Engineering Consult. 5228 Aud Auditing 5229 Linn	SBR Engineering Review / Inspection	41,000.00	0.00	41,000.00	41,000.00	0.00	16,000.00	156.25%
5228 Aud Auditing 5229 Linn	NP Structural Behavior Survey Subtotal 5227	10,000.00	0.00	10,000.00 51,000.00	10,000.00 51.000.00	0.00	10,000.00	0.00%
Auditing 5229 Linn	uditing Services	63.000.00	0.00	63.000.00	63.000.00	0.00	81.000.00	<u>96.15%</u> -22.22%
	Subtotal 5228	63,000.00	0.00	63,000.00	63,000.00	0.00	81,000.00	-22.22%
Legal <u>Oth</u>	nneman	46,440.00	0.00	46,440.00	46,440.00	0.00	46,440.00	0.00%
I		61,000.00	61,000.00	61,000.00	61,000.00	0.00	61,000.00	0.00%
5231 Med	ed. Exams- Class A, Pre-Employ,	<u>107,440.00</u> 2.075.72	61,000.00 62.97	107,440.00 2.075.72	107,440.00 2.075.72	0.00	107,440.00	0.00%
	ed. Exams- class A, Pre-Employ, iological Consultants/Michael Bell-SLTP	2,075.72	0.00	2,075.72	2,075.72	0.00	32.000.00	-37.50%
	ontrol Substance / Alcohol Testing	2,560.86	31.49	2,560.86	2,560.86	0.00	2,560.86	0.00%
	rst Aid Payments	1.031.14	31.49	1.031.14	1.031.14	0.00	1.031.14	0.00%
	nnual Flu Shots epatitis Shots (A&B)	905.20 338.44	31.49 15.74	905.20 338.44	905.20 338.44	0.00	905.20	0.00%
	etwork Contractor/Consultant	1,800.00	0.00	1,800.00	1,800.00	0.00	1,800.00	0.00%
Ora	racle Contractor/Consultant	5,000.00	0.00	5,000.00	5,000.00	0.00	5,000.00	0.00%
	rossmayer ConsultAcct Sftwre Sup./Other Consult	0.00	0.00	0.00	0.00	0.00	25,599.00	-100.00%
	eldman Rolapp & Associates re-employment Exams	10,000.00 1,031.14	0.00 31.49	10,000.00 1,031.14	<u>10,000.00</u> 1,031.14	0.00	0.00	0.00%
	t-For-Duty Exams	1,031.14	31.49	1,031.14	1,031.14	0.00	1,031.14	0.00%
Hea	earing Conservation Program	1,226.35	0.00	1,226.35	1,226.35	0.00	1,226.35	0.00%
Ren	emote Access - Go To My PC	0.00	0.00	0.00	0.00	0.00	300.00	-100.00%
EUX	D&M lectrical Engineering Consulting Services	40,000.00	0.00	40,000.00	40,000.00	0.00	40,000.00	0.00%
Corr	orrosion Engineering Services	8,000.00	0.00	8,000.00	8,000.00	0.00	4,000.00	100.00%
Indi	ndustrial Hygenist	7,500.00	0.00	7,500.00	7,500.00	0.00	7,500.00	0.00%
5237 Not		<u>5,403,734.60</u> 0.00	236.15 0.00	<u>102,500.00</u> 0.00	<u>102,500.00</u> 0.00	0.00	<u>126,399.00</u> 0.00	<u>-18.91%</u> 0.00%
	Subtotal 5231	200.00	0.00	200.00	200.00	0.00	200.00	0.00%
CPR	otary Public License Subtotal 5231	120.00	120.00	120.00	120.00	0.00	120.00	0.00%
EPA	Subtotal 5231 otary Public License ommercial Driver License PR and First Aid Facilitators renewal		0.00	4,600.00	4,600.00	0.00	4,600.00	0.00%
	Subtotal 5231 otary Public License ommercial Driver License PR and First Aid Facilitators renewal AA Fees/Haz Mal Fees	4,600.00	0.00	3,800.00	3,800.00	0.00	3,800.00	0.00%
CPA WT	Subtotal 5231 otary Public License ommercial Driver License PR and First Aid Facilitators renewal PA Fees/Haz Mat Fees ransportation Permits	3,800.00	200.00	200.00	200.00	0.00	150.00 700.00	33.33% 42.86%
Hall	Subtotal 5231 ommercial Driver License PR and First Aid Facilitators renewal A Fees/Har Mar Fees ansportation Permits A License A License	3,800.00 200.00	200.00	1.000.00				
PEL	Subtotal 5231 onmercial Driver License Subtotal 5231 onmercial Driver License PA and First Aid Facilitators renewal PA fees/haz Mal Fees ansportation Permits PA License IP Operator's License AliConference Room Rental Fees	3,800.00	200.00 0.00 0.00 0.00	1,000.00 0.00 750.00	0.00 750.00	0.00 0.00 0.00	0.00 750.00	0.00%

Draft1		8.029.832.49	11.87%	91.11%	88.37%	2.74%		
SLDMWA ANNUAL BUDGET	-	Total	58	FY19	FY19	FY19	FY18	% Chan
UMMARY DETAIL OF ALL		including EO&M PAT GRANTS.	O&M LBAO	TOTAL	TOTAL SELF FUNDING	TOTAL	TOTAL	FY18 vs F DMC
2.0 & M		& USBR	Admin	DIVIC	SELF FUNDING	FACILITIES	DIVIC	DIVIC
241	Bottled Water Service; Misc	5,863.00	0.00	5,863.00	5,863.00	0.00	5,863.00	0.0
Other Services	Chemical Toilet Service	800.00	0.00	800.00	800.00	0.00	800.00	0.0
k Expenses	CMMS Program Service Contract/Tech.	36,000.00	0.00	36,000.00	36,000.00	0.00	34,400.00	4.
	Comprehensive Support - SCADA MMI	9,000.00 10,200.00	0.00	9,000.00	9,000.00	0.00	9,000.00	0 0.
	Crane Certification Inspection Drain Cleaning Services	3,300.00	0.00	<u>10,200.00</u> 3,300.00	3,300.00	0.00	3,300.00	0 -15.
	Employee Appreciation Day/Picnic	7,172.41	4,827.59	7,172.41	7,172.41	0.00	7,172.41	0.
	Employee Attendance Recognition	7,103.45	4,827.59	7,103.45	7,103.45	0.00	7,103.45	i 0.
	Employee Awards	4.344.83	641.38	4.344.83	4.344.83	0.00	4.344.83	<u> </u>
	Fire Extinguisher Inspection Serv. Freight Charges	<u>3,700.00</u> 500.00	0.00	3,700.00 500.00	<u>3,700.00</u> 500.00	0.00	3,500.00	0 5. 0 0.
	Great Plains Annual Maintenance	8,625.00	8,625.00	8,625.00	8,625.00	0.00	7,900.00	9.
	Ice Services	2,500.00	0.00	2,500.00	2,500.00	0.00	2,500.00	0 0
	Job Announcements	8.189.66	6.672.41	8.189.66	8.189.66	0.00	5.689.66	43
	Transformer Oil Sample Analysis Unit Lube Oil Analysis	4,000.00	0.00	4,000.00	4,000.00	0.00	4,000.00	0 0
	Main Unit Non-dest.Test. Svce (PD Test)	5.000.00	0.00	5.000.00	5.000.00	0.00	5.000.00	0 0
	Safety Incentive Plan/Retiree Pres.	16,689.66	11,306.11	16,689.66	16,689.66	0.00	16,689.66	0
	Water Treatment Plant Service Contract	0.00	0.00	0.00	0.00	0.00	0.00	0 0
	Tuition Reimbursement	1.200.00	0.00	1.200.00	1.200.00	0.00	1.200.00	0 0
	Potable Water Samples	15,000.00	0.00	15,000.00 9,000.00	15,000.00	0.00	15,000.00	0 0
	Oracle Program Svce. Contract/support	9,000.00 5.100.00	0.00	9,000.00	9,000.00	0.00	9,300.00	) -3 ) 0
	Document Management Contract/Support Bank Charges	2,875.00	2.875.00	2.875.00	2,875.00	0.00	2.600.00	10
	Network Equipment Technical Support	2,000.00	0.00	2,000.00	2,000.00	0.00	1,900.00	5
	Man Lift Annual Certification	1,200.00	0.00	1,200.00	1,200.00	0.00	1,200.00	0 0
	Phone System Technical Support	3.800.00	1.500.00	3.800.00	3.800.00	0.00	3.800.00	0 0
	Board Committee Meeting Expenses Intertie Costs - DWR O&M Charges	1,852.33 5,000.00	0.00	1,852.33 5,000.00	1,852.33	0.00	1,007.55	5 83 ) C
	Volta Wells - Giant Garter Snake Monitoring	0.00	0.00	5,000.00	0.00	0.00	0.00	
	Volta Wells - Water Quality Monitoring	0.00	0.00	0.00	0.00	0.00	0.00	0 0
	Advertising & Legal Notices	500.00	0.00	500.00	500.00	0.00	500.00	) (
	CalCAD Program Annual Maintenance Support	3,000.00	0.00	3,000.00	3,000.00	0.00	6,000.00	-50
	Communication Licences for DMC - PLC	4,000.00	0.00	4,000.00	4,000.00	0.00	4,000.00	0 0
	Install Microwave Data Backhaul from LBAO to LBFO/OPP	15,000.00	0.00	15,000.00	15,000.00	0.00	0.00	) (
243	Subtotal 5241 AutoCAD USER VIP Subscription	204,315.33 7,500.00	41,275.08 0.00	204,315.33 7,500.00	204,315.33 7,500.00	0.00	188,170.55 7,500.00	6 8 0 0
omputer Software &	Computer Parts (less than \$1000 each)	3,900.00	100.00	3,900.00	3,900.00	0.00	3,300.00	18
arts < \$1000. Each	Miscellaneous Software Updates	5,500.00	0.00	5,500.00	5,500.00	0.00	5,000.00	10
	Arc Flash and Short Circuit Software	0.00	0.00	0.00	0.00	0.00	0.00	) (
	ESRI ArcMAP Annual Update Subscription	1,600.00	0.00	1,600.00	1,600.00	0.00	1,000.00	60
	MSDS Online Software Licence Purchase/Renewal	750.00	0.00	750.00	750.00	0.00	750.00	) (
	Purchase Additional ArcMAP User License Enterprise Document Management	0.00	0.00	0.00	0.00	0.00	0.00	
	Subtotal 5243	19,250.00	100.00	19,250.00	19.250.00	0.00	17.550.00	) 9
245	O'Neill Technical Svcs. (L.W. 12/mos.)	0.00	0.00	0.00	0.00	0.00	0.00	0 0
ontract Labor	Subtotal 5245	0.00	0.00	0.00	0.00	0.00	0.00	0
246	Copy Machine	0.00	0.00	0.00	0.00	0.00	0.00	) (
ents/Leases - Office	Pitney Bowes Stamp Machine	626.92	0.00	626.92	626.92	0.00	626.92	2 (
achines & Equipment	ACWA Dues Subtotal 5246	<u>626.92</u> 21.850.00	21,850.00	626.92 21.850.00	626.92 21.850.00	0.00	<u>626.92</u> 21.850.00	
rganizational Memebership	Subtotal 5247	21,850.00	21,850.00	21,850.00	21,850.00	0.00	21,850.00	) (
251	Professional Engineers Assoc Dues	400.00	0.00	400.00	400.00	0.00	400.00	) (
	AWWA Membership Dues	400.00	0.00	400.00	400.00	0.00	400.00	) (
ues - Prof. & Org.	Subtotal 5251	800.00	0.00	800.00	800.00	0.00	800.00	) (
256	ACWA Conferences	8,311.95	6,000.00	8,311.95	8,311.95	0.00	8,071.95	
onference/ Training	Management Training Seminars Pesticide Training	0.00	0.00	0.00	0.00	0.00	0.00	
	Safety Training Seminars	11,000.00	6,000.00	11,000.00	11,000.00	0.00	4,940.00	12
	Technical Training Seminars	30,961.95	1,500.00	30,961.95	30,961.95	0.00	44,586.95	-30
	Eauipment training	1.000.00	0.00	1.000.00	1.000.00	0.00	2.000.00	-50
	Leadership Development OSHA Crane Op's Cert/Train.	0.00 1,300.00	0.00	0.00 1,300.00	0.00 1,300.00	0.00	2,000.00	-100
	Osha crane Op's cert/Train. On-site "All Staff" Skill Training	1,300.00	0.00	0.00	0.00	0.00	2,300.00	) -43
	Subtotal 5256	53,773.90	13,500.00	53,773.90	53,773.90	0.00	65,098.90	-13
261	Apprenticeship Training	28,400.00	0.00	28,400.00	28,400.00	0.00	13,200.00	115
avel	Conferences / Technical Training	30,330.00	4,530.00	30,330.00	30,330.00	0.00	21,980.00	37
	Leadership Development Miscellaneous Travel	0.00 7,309.06	0.00	0.00 7,309.06	0.00 7,309.06	0.00	1,000.00	-100
	O&M Technical Committee Tour	7,309.06	0.00	7,309.06	7,309.06	0.00	10,452.62	-30
	OSHA Crane Op's Cert. Training	0.00	0.00	0.00	0.00	0.00	0.00	) (
	Water Edu. Foundation Water Tours	0.00	0.00	0.00	0.00	0.00	0.00	) (
	Subtotal 5261	66,039.06	5,030.00	66,039.06	66,039.06	0.00	46,632.62	2 41
271	Meeting Expenses	14,190.93	1,250.00	14,190.93	14,190.93	0.00	13,346.15	
nployee & Group Mtgs.	Subtotal 5271	14,190.93	1,250.00	14,190.93	14,190.93	0.00	13,346.15	5 <i>6</i>
86 hicle Parts & Materials	Parts & Supplies Subtotal 5286	80,033.59 80,033.59	0.00	80,033.59 80,033.59	80,033.59 80.033.59	0.00	80,033.59	
Phicle Parts & Materials	Diesel (\$3.00/gal)	72,000.00	0.00	80,033.59	72.000.00	0.00	72,000.00	
troleum, Oil &	Gasoline (\$3.00/gal)	143,737.30	570.00	143,737.30	143,737.30	0.00	143,941.20	) -(
ubricants	Oil	11,000.00	0.00	11,000.00	11,000.00	0.00	11,000.00	) (
	Propane (Forklifts)	2,500.00	0.00	2,500.00	2,500.00	0.00	2,500.00	) (
	EO&M	40.067.00	0.00	0.00	0.00	0.00	0.00	
	Meter Lubricants	50.00	0.00	50.00	50.00	0.00	50.00	

Day 614		100.00%			00.0721	0.7401		
Draft1		8,029,832.49	<u>11.87%</u> 58	<u>91.11%</u>	88.37%	2.74%	51/40	01.01
LDMWA ANNUAL BUDGE SUMMARY DETAIL OF ALL		Total including EO&M PAT GRANTS, & USBR	O&M LBAO Admin	FY19 TOTAL DMC	FY19 TOTAL SELF FUNDING	FY19 TOTAL BUREAU FACILITIES	FY18 TOTAL DMC	% Chan FY18 vs F DMC
291	Engine/Transmission Replacement	15,000.00	0.00	15,000.00	15,000.00	0.00	20,000.00	-25.
utside Services -	Windshield Repair/Replacement	2,000.00	0.00	2,000.00	2,000.00	0.00	2,000.00	0.
/ehicles & Constr. Equip	Tire Repair/Replacement	18,500.00	0.00	18,500.00	18,500.00	0.00	20,500.00	-9.
	Diesel Engine Retro-fit (2 vehicles) Off Road Equipment Retrofit	0.00	0.00	0.00	0.00	0.00	0.00	0.
	Smoa/Smoke Test	3.000.00	0.00	3.000.00	3.000.00	0.00	3.000.00	0.
	Other Outside Services	19,594.78	1,050.00	19,594.78	19,594.78	0.00	19,594.78	0.
	Subtotal 5291	58,094.78	1,050.00	58,094.78	58,094.78	0.00	65,094.78	-10.
296	Other Equipment Rental	40,000.00	0.00	40,000.00	40,000.00	0.00	15,000.00	166.
tents/Leases - Vehicle &	EO&M Gravel Unpaved Roads (Spec. Pro.)	27,345.20 40,000.00	0.00	0.00 40,000.00	0.00 40,000.00	0.00	0.00	0.
construction Equipment	Graver Unpaved Roads (spec. Pro.) Subtotal 5296	107.345.20	0.00	40,000.00	40,000.00	0.00	15.000.00	0. 433.
301	Building Material & Supplies	11.800.00	0.00	11.800.00	11,800.00	0.00	14,800.00	-20
arts/Material-Bldg,	Electrical Materials & Supplies	22.500.00	0.00	22.500.00	20.300.00	2.200.00	20.000.00	12
rounds, Mach. & Equip.	Fasteners, Welding Supplies, Etc.	8,100.00	0.00	8,100.00	8,100.00	0.00	9,100.00	-10
	Locks, Keys	1,400.00	0.00	1,400.00	1,400.00	0.00	1,200.00	16
	Mechanical Materials & Supplies	11,100.00	0.00	11,100.00	9,600.00	1,500.00	10,600.00	4
	Machine Tools (cutting bits, etc.) Paint & Painting Supplies	6,700.00 13.600.00	0.00	6,700.00 13.600.00	6,700.00 13.600.00	0.00	6,700.00	7
	Repair Parts & Materials	12,900.00	0.00	12,900.00	12,900.00	0.00	16,600.00	-22
	Replacement Parts - Electrical	52,150.00	0.00	52,150.00	49,750.00	2,400.00	48,950.00	6
	Replacement Parts - Mechanical	44,750.00	0.00	44,750.00	42,950.00	1,800.00	35,750.00	25
	DMC Redundant Level Transmitter-Ultrasonic	0.00	0.00	0.00	0.00	0.00	0.00	(
	Replacement Parts - SCADA	28,500.00	0.00	28,500.00	28,500.00	0.00	14,000.00	103
	Safety Equip	8.700.00	0.00	8.700.00	8.700.00	0.00	9.700.00	-10
	Shop Consumables	15,500.00 15,700.00	0.00	15,500.00	15,500.00 15,700.00	0.00	15,100.00	
	Welding Supplies Water Treatment Plant Parts & Supplies	10,700.00	0.00	15,700.00 10,700.00	10,700.00	0.00	10,200.00	
	DMC-Turnout Gates	35.000.00	0.00	35.000.00	35.000.00	0.00	28.000.00	25
	DMC-Hardware, Construction Supplies	13.000.00	0.00	13.000.00	13.000.00	0.00	3.000.00	333
	DMC-WW-Check Structure Parts	2,000.00	0.00	2,000.00	2,000.00	0.00	2,000.00	(
	JPP Unit Disch. Piping Rehab	0.00	0.00	0.00	0.00	0.00	0.00	(
	Replacement parts - meters	6,500.00	0.00	6,500.00	6,500.00	0.00	6,500.00	(
	Bridge rehab	22,000.00	0.00	22,000.00	22,000.00	0.00	27,000.00	-18
	Safety Lines & Buovs	2.000.00	0.00	2.000.00	2.000.00	0.00	2.000.00	(
	Miscellaneous Suction Elbow Drain Valve Replacement	3,822.39	0.00	3,822.39	3,822.39	0.00	822.39	364
	HVAC Supplies	0.00	0.00	0.00	0.00	0.00	0.00	(
	New Meters	0.00	0.00	0.00	0.00	0.00	0.00	
	Engineering Project Developments	1,500.00	0.00	1,500.00	1,500.00	0.00	2,000.00	-25
	Confined Space Gas Monitoring	0.00	0.00	0.00	0.00	0.00	0.00	(
	Domestic Water System - O'Neill Pumping Plant	0.00	0.00	0.00	0.00	0.00	0.00	(
	DMC - Wooden stair replacement (12 Sites)	2,000.00	0.00	2,000.00	2,000.00	0.00	6,000.00	-66
	JPP Sound Barriers	0.00 133.080.72	0.00	0.00	0.00	0.00	0.00	(
	OPP Annuncilation System	2.500.00	0.00	2.500.00	2.500.00	0.00	2.500.00	
	JPP Power Meters	0.00	0.00	0.00	0.00	0.00	0.00	
	OPP - Air Dryer System (R, O&M rec)	0.00	0.00	0.00	0.00	0.00	0.00	(
	JPP Trash Rack Cleaner PLC Spare and Software Lic	0.00	0.00	0.00	0.00	0.00	0.00	(
	Subtotal 5301	487,503.11	0.00	354,422.39	346,522.39	7,900.00	320,722.39	10
311	Diving Services	99,000.00	0.00	99,000.00	93,500.00	5,500.00	54,000.00	83
Outside ServBldg,	Crane Services	20,000.00	0.00	20,000.00	20,000.00	0.00	10,000.00	100
rounds, Mach. & Equip.	HVAC Repair/Services	4,500.00	0.00	4,500.00	4,500.00	0.00	3,500.00 7,000.00	28
	Outside Electrical Services Outside Machine Shop Services	7,000.00 5,000.00	0.00	7,000.00	7,000.00	0.00	0.00	(
	Test Equipment Calibration & Repair	7.100.00	0.00	7,100.00	7.100.00	0.00	6.100.00	10
	Grounds Maintenance Services	10.000.00	0.00	10.000.00	10.000.00	0.00	10.000.00	(
	Little Salado Creek Cleaning	0.00	0.00	0.00	0.00	0.00	0.00	(
	Locksmith Services	600.00	0.00	600.00	600.00	0.00	600.00	(
	Safety Equipment Calibration & Repair	0.00	0.00	0.00	0.00	0.00	0.00	(
	JPP Trash Rack Debris Hauling	0.00	0.00	0.00	0.00	0.00	0.00	(
	Video Security camera repairs	1,000.00	0.00	1,000.00	1,000.00	0.00	1,000.00	(
	Little Salado Creek Siphon Cleaning Gravel Unpaved Roads (Spec. Pro.)	0.00	0.00	0.00	0.00	0.00	0.00	
	Confined Space Gas Monitoring Service	9,400.00	0.00	9,400.00	9.400.00	0.00	8,000.00	1
	Hyacinth Pit Grinding Contract	0.00	0.00	0.00	0.00	0.00	0.00	(
	Fuel Management System Service & Repair	0.00	0.00	0.00	0.00	0.00	0.00	(
	Parts Washer Service	2,600.00	0.00	2,600.00	2,600.00	0.00	600.00	333
	Misc. Outside Services	3,400.00	1,400.00	3,400.00	3,400.00	0.00	1,000.00	240
	Sandblast Equipment Annual Service	2,500.00	0.00	2,500.00	2,500.00	0.00	2,500.00	(
	Rodent Abatement at Delta Cross Channel	38,000.00	0.00	38,000.00	0.00	38,000.00	38,000.00	(
	EO&M	975,310.00	0.00	0.00	0.00	0.00	0.00	(
	Subtotal 5311	1,185,410.00	1,400.00	210,100.00	166,600.00	43,500.00	142,300.00	4
316	LBAO Office Lease; Sacto Office	71,788.20	52,416.00	71,788.20	71,788.20	0.00	74,822.20	-4
ents/Leases - Land & Bldg.	Water Resource Engineer's Storage Space	0.00	0.00	0.00	0.00	0.00	0.00	(
	Subtotal 5316	71,788.20	52,416.00	71,788.20	71,788.20	0.00	74,822.20	
331	Miscellaneous Pipe, Valves & Fittings	18,400.00	0.00	18,400.00	18,400.00	0.00	18,000.00	
ipe, Metal & Treatments	Repair Material- Angle, Tubing, Steel	8,100.00	0.00	8,100.00	8,100.00	0.00	7,700.00	
	DMC-SLD-Miscellaneous Hardware DMC-SLD-Signs	2,500.00	0.00	2,500.00	2,500.00	0.00	2,500.00	(
	DMC-SLD-Signs FQ&M	2,000.00	0.00	2,000.00	2,000.00	0.00	2,000.00	(
	DMC - Roadway Gates	12.000.00	0.00	12.000.00	12.000.00	0.00	12.000.00	
	Subtotal 5331	43.000.00	0.00	43.000.00	43.000.00	0.00	42,200.00	

10/17/2017		<u>100.00%</u>						
Draft1		8.029.832.49	<u>11.87%</u>	<u>91.11%</u>	88.37%	2.74%		
LDMWA ANNUAL BUDGE		Total	58	FY19	FY19	FY19	FY18	% Change
SUMMARY DETAIL OF ALL		including EO&M	O&M	TOTAL	TOTAL	TOTAL	TOTAL	FY18 vs FY1
	LINE ITEM DETAIL	PAT GRANTS,	LBAO	DMC	SELF FUNDING	BUREAU	DMC	DMC
R, O & M		& USBR				FACILITIES		
341	Sand	2,500.00	0.00	2,500.00	2,500.00	0.00	2,500.00	0.009
	EO&M	0.00	0.00	0.00	0.00	0.00	0.00	0.009
and, Backfill and Rock	Road Base	12,000.00	0.00	12,000.00	12,000.00	0.00	12,000.00	0.009
	Gravel Unpaved Roads (Spec. Pro.)	15,500.00	0.00	15,500.00	15,500.00	0.00	15,500.00	0.009
	Subtotal 5341	30,000.00	0.00	30,000.00	30,000.00	0.00	30,000.00	0.009
5351	Concrete	8,000.00	0.00	8,000.00	8,000.00	0.00	8,000.00	0.009
Concrete & Paving Mat.	Paving Material	10,000.00	0.00	10,000.00	10,000.00	0.00	10,000.00	0.009
	Subtotal 5351	18,000.00	0.00	18,000.00	18,000.00	0.00	18,000.00	0.009
5361	Misc. Weed Control Additives	1,350.00	0.00	1,350.00	1,350.00	0.00	1,350.00	0.009
Chemicals	Karmex	0.00	0.00	0.00	0.00	0.00	0.00	0.009
	Pre-Emergents	62,050.00	0.00	62,050.00	62,050.00	0.00	62,050.00	0.00
	Insecticide	1,400.00	0.00	1,400.00	1,400.00	0.00	1,400.00	0.005
	Rodent Bait	5,000.00	0.00	5,000.00	5,000.00	0.00	3,000.00	66.679
	Aquatic Herbicide	0.00	0.00	0.00	0.00	0.00	0.00	0.009
	Herbicide	37.200.00	0.00	37.200.00	37.200.00	0.00	37.200.00	0.009
	Water Treatment Chemicals	400.00	0.00	400.00	400.00	0.00	400.00	0.009
-070	Subtotal 5361	107,400.00	0.00	107,400.00	107,400.00	0.00	105,400.00	1.909
5372	Cellular Phone	32,070.46	1,450.00	32,070.46	32,070.46	0.00	31,450.46	1.979
Telephone Expenses	Telephone	23,084.31	0.00	23,084.31	23,084.31	0.00	23,017.14	0.299
	CORS Telephone Service @ Check 18	700.00	0.00	700.00	700.00	0.00	700.00	0.009
	GPS Data Service	1,200.00	0.00	1,200.00	1,200.00	0.00	1,200.00	0.00%
	DMC Check Structure Cellular Phone Service	7,300.00	0.00	7,300.00	7,300.00	0.00	7,300.00	0.009
	Subtotal 5372	64,354.77	1,450.00	64,354.77	64,354.77	0.00	63,667.60	1.089
5373	P, G & E	68,377.74	9,900.00	68,377.74	68,377.74	0.00	67,688.18	1.029
	LBFO	0.00	0.00	0.00	0.00	0.00	0.00	0.009
	DMC Checks	0.00	0.00	0.00	0.00	0.00	0.00	0.009
Energy	Subtotal 5373	68.377.74	9,900,00	68.377.74	68.377.74	0.00	67.688.18	1.029
5374	Mobile Radio Monthly Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.009
Radio Communication	Subtotal 5374	0.00	0.00	0.00	0.00	0.00	0.00	0.009
5375	Wide Area Network Connection	44,190.32	0.00	44,190.32	44,190.32	0.00	36,290.32	21.77%
Computer Comm.	O'Neill SCADA Line	14.000.00	0.00	14.000.00	14.000.00	0.00	14.000.00	0.00%
oompater oommi	Subtotal 5375	58,190.32	0.00	58,190.32	58,190.32	0.00	50,290,32	15.71%
5376	Haz Waste Disposal	13,700.00	0.00	13,700.00	13,700.00	0.00	15,100.00	-9.27%
3370	Tire Disposal	2.000.00	0.00	2.000.00	2.000.00	0.00	2.300.00	-13.04%
Hazardous Waste	Waste Oil & Oily Rag Disposal	2,800.00	0.00	2,800.00	2,800.00	0.00	2,000.00	40.009
Disposal	Solvent Re-cycling (Safety Kleen)	800.00	0.00	800.00	800.00	0.00	800.00	0.009
	Subtotal 5376	19,300.00	0.00	19,300.00	19,300.00	0.00	20,200.00	-4.469
5377	Trash Disposal (dumpsters)	22,857.49	1.700.00	22.857.49	22,857,49	0.00	19,257,49	18.699
Disposal Expenses	DMC R/W Garbage Disposal	2.500.00	0.00	2.500.00	2.500.00	0.00	2.000.00	25.009
Disposal Expenses	Dumpster (20-yd call in)	1,600.00	0.00	1,600.00	1,600.00	0.00	1,600.00	0.009
	FO&M	824.00	0.00	0.00	0.00	0.00	0.00	0.009
	Subtotal 5377	27,781.49	1,700.00	26,957.49	26,957.49	0.00	22,857.49	17.949
5401	General Liability	168,396.72	161,400.00	168,396.72	168,396.72	0.00	163,996.72	2.689
Insurance Premiums and	Property Insurance	27,400.00	27,400.00	27,400.00	27,400.00	0.00	26,700.00	2.629
Fees	Employee Fidelity Ins	3,800.00	3,800.00	3,800.00	3,800.00	0.00	3,800.00	0.009
	Subtotal 5401	199,596.72	192,600.00	199,596.72	199,596.72	0.00	194,496.72	2.62%
5521	Small Equipment/Furniture Replacement Pool	32,923.90	3,400.00	32,923.90	32,923.90	0.00	18,519.90	77.789
New/Replacement Equip.	Office/Break Room Furniture	6,000.00	0.00	6,000.00	6,000.00	0.00	11,000.00	-45.459
& Furniture	Misc. Storage equipment/Bookshelves	2,500.00	0.00	2,500.00	2,500.00	0.00	2,500.00	0.009
& Furniture	Multimedia Projector	0.00	0.00	0.00	2,500.00	0.00	1,900.00	-100.009
	FO&M	0.00	0.00	0.00	0.00	0.00	0.00	0.009
	Micro-Ohm Meter Tester	0.00	0.00	0.00	0.00	0.00	0.00	0.007
	Subtotal 5521	41.423.90	3,400.00	41,423,90	41,423,90	0.00	33.919.90	22.129
5523	Misc. Peripheral not covered EO&M	8,400.00	0.00	8,400.00	8,400,00	0.00	1.600.00	425.009
3323	TFO Fiber Upgrade	0.00	0.00	0.00	0.00	0.00	5,000.00	-100.009
	EO&M	27,750.00	0.00	0.00	0.00	0.00	0.00	0.009
Computer Hardware	Subtotal 5523	36,150.00	0.00	8,400.00	8,400.00	0.00	6,600.00	27.27%
5526	Water Meters (+EO&M)	93,000.00	0.00	18,000.00	18,000.00	0.00	18,000.00	0.00%
Nater Meters	Subtotal 5526	93.000.00	0.00	18,000.00	18,000.00	0.00	18,000.00	0.00%
5541	EO&M	242,600.00	0.00	0.00	0.00	0.00	0.00	0.00%
/ehicles & Constr. Equip	Subtotal 5541	242,600.00	0.00	0.00	0.00	0.00	0.00	0.00%
5544	EO&M	549,000.00	0.00	0.00	0.00	0.00	0.00	0.00%
	Subtotal 5544	549,000.00	0.00	0.00	0.00	0.00	0.00	0.009
leavy Equipment			0.00		0.00	0.00	0.00	
	Total All Other Expenses	10,018,621.89	420,323.22	2,646,410.37	2,595,010.37	51,400.00	2,436,504.00	8.62%
		21,746,222.83	1,816,485.21	13,329,490.16	12,950,546.45	378,943.71	12,786,101.15	4.259
	Grand Total							

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### SPECIAL PROJECT JUSTIFICATION FORM

FY19

REQUEST DATE:10/2/17PRIORITY CODE:-

 EXPENSE CODE:
 5241

 BUDGET UNIT:
 22

## Type of Purchase

<u>X</u>	Materials
<u>X</u>	Services
	Other:

<u>PROJECT DESCRIPTION:</u> <u>GENERAL SPECIFICATIONS:</u> (See attached information)	Install Micro	wave Data Backhaul from LBAO to LBFO an	d OPP
ESTIMATED COST(incl taxes	s,frei <u>ght)</u>	Current O&M Cost Information	<u>Cost</u>
Purchase Cost:		Current cost of annual repairs:	\$0
Inflation Adjustment (4%/YR)		Potential For lost conveyance (if appl)	\$0
Estimated Cost:		Other O&M Cost:	
		ANNUAL O&M COST:	
Rounded up to 100's			
Total Estimated Cost:	\$15,000.00		

**Description of current circumstances that drive this request:** (include age and condition of existing equipment) Extremely slow network access from LBFO and OPP due to new software and network access demands running on AT&T's older, antiquated copper wide area network with no upgrades in service for the foreseeable future. The locations are too remote for data carriers to install fiber technology.

## Description of how this request would change current circumstances:

- 1) Will increase network bandwidth from the two locations back to LBAO from the current 1.5Mbps up to 500 Mbps
- 2) Users' wait time in these locations for network response will be substantially reduced and increase employee productivity

## Other options considered during evaluation:

SLDMWA will eliminate the monthly charges incurred from TelePacific (\$588.37) estimating an ROI in 26 months. There can be early termination fees if cancelling the data circuits while still under contract that will add to the length of ROI.

SLDMWA can perform all maintenance and repairs and no longer be reliant upon AT&T for these services. Expected lifecycle and serviceability of microwave dishes and antennas is about 10 years. Projected savings over the 10-year lifecycle is estimated at \$85,000 with the elimination of the monthly charges (\$55,000) and router equipment purchases (\$30,000).

With this microwave network in place and if WAPA fiber on the DMC right-of-way is delivered to OPP from TFO, SLDMWA will be in a position to eliminate all monthly wide area network expenses to the data carriers with the exception of Internet access.

## Conclusion/Recommendation:

With a potential savings of \$85,000.00 over a 10-year period and better, reliable service to our users, this project is highly recommended.

### EQUIPMENT PURCHASE JUSTIFICATION FORM

FY19

## REQUEST DATE: 3/1/18 PRIORITY CODE:

 EXPENSE CODE:
 5521

 BUDGET UNIT:
 40/62

## Type of Purchase

<u>X</u> New Equipment/Furniture > \$2,500
 Replacement Equipment/Furniture
 Other:

EQUIPMENT DESCRIPTION: GENERAL SPECIFICATIONS: (See attached information)	Box Scraper 10' Box Scraper for Los Banos Field Office								
ESTIMATED COST (incl taxes	s, freight)	Current O&M Cost Information	Cost						
Purchase Cost:	\$5,000	Current cost of annual repairs:	\$608						
Inflation Adjustment (4%/YR)	\$200	Annual lease/rental cost:							
Estimated Cost:	\$5,200	Other O&M Cost:							
		ANNUAL O&M COST:	<u>\$608</u>						
Rounded up to 100's									
Total Estimated Cost:	<u>\$5,200</u>								

## CURRENT/PROJECTED COST W/O EQUIPMENT: <u>\$608.00</u> PAYBACK <u>9</u> YRS

(Payback is determined by dividing Total Estimated Cost by Annual O&M Cost)

**Description of current circumstances that drive this request:** (include age and condition of existing equipment) The Authority currently has one box scraper and when it is needed at the other end of the system and is currently located at the other end, it is a four hour process to retrieve the scraper. The current scraper usually stays in the Tracy yard due to the amount of use that is required of it around the Tracy compound and the hyacinth spoils area.

## Description of how this request would change current circumstances:

Having a second scraper would save approximately four hours each time it is needed and has to be retrieved along with the wear and tear on the vehicle and trailer.

## Other options considered during evaluation:

Renting is an option, but a substantial amount of time would still be spent getting and returning a rental.

## Conclusion/Recommendation:

It is recommended that a second box scraper be purchased to maximize crew efficiency.

### EQUIPMENT PURCHASE JUSTIFICATION FORM

FY19

## REQUEST DATE: 3/1/18 PRIORITY CODE:

X

 EXPENSE CODE:
 5521

 BUDGET UNIT:
 40/62

## Type of Purchase

New Equipment/Furniture > \$2,500 Replacement Equipment/Furniture

Other:

<u>EQUIPMENT DESCRIPTION:</u> <u>GENERAL SPECIFICATIONS:</u> (See attached information)	Equipment # 0000002624 14' Tilt-bed Trailer for Los Banos Field Office							
ESTIMATED COST (incl taxes	s, freight)	Current O&M Cost Information	Cost					
Purchase Cost:	\$10,000	Current cost of annual repairs:	\$1,482					
Inflation Adjustment (4%/YR)	\$400	Annual lease/rental cost:						
Estimated Cost:	\$10,400	Other O&M Cost:						
		ANNUAL O&M COST:	\$1,482					
Rounded up to 100's								
Total Estimated Cost:	<u>\$10,400</u>							

## CURRENT/PROJECTED COST W/O EQUIPMENT: <u>\$1,482</u> PAYBACK <u>7</u> YRS

(Payback is determined by dividing Total Estimated Cost by Annual O&M Cost)

**Description of current circumstances that drive this request:** (include age and condition of existing equipment) The current LBFO small tilt-bed trailer is 24 years old. The brakes on the current trailer are becoming problematic and difficult to adjust, the lock-nut that holds down the trailer when flat comes loose causing the trailer bed to jump (several 'fixes' have been tried and it still loosens up), and many weld repairs have been done to the frame and cross-members. Hauling the bobcat which weighs 9,000 pounds is a strain on the trailer in its current condition even though it is rated for 12,000 pounds.

Description of how this request would change current circumstances:

This trailer is worn out and is close to being forced out of the fleet (red-tagged) due to its condition.

## Other options considered during evaluation:

The Tracy yard has a small tilt-bed trailer, but the travel time to retrieve and return would be an inefficient use of time and increases wear and tear on the trucks and the trailer.

## Conclusion/Recommendation:

It is recommended that the current small tilt-bed trailer be replaced and disposed of.

# San Luis & Delta-Mendota Water Authority

# Extra-Ordinary Operations and Maintenance Budget

# FY2019/2020

## San Luis & Delta-Mendota Water Authority

## FY 2019 PROJECTS

Project Type:	MAINTENANCE	Acct							
<u>Project # Fac</u>	Project Title		<u>Type</u>	<u>Priority</u>	<u>Labor</u>	<u>Materials</u>	<u>Equip.</u>	<u>Contract</u>	<u>Total</u>
M2015006 ONP	Rehabilitate Pump Assemblies - Phase 4	E2	Μ	B-3-b	\$618,500	\$44,330	\$0	\$255,400	\$918,230
M2012004 ONP	Rehabilitate Penstock Interiors	E4	Μ	B-3-b	\$101,600	\$28,331	\$0	\$360,700	\$490,631
C1997002 DMC	O&M Road Maintenance Program - Phase 8 of 10	E6	Μ	B-4-b	\$36,800	\$65,800	\$9,100	\$16,100	\$127,800
C2016001 DMC	DMC Road Repair (MP 102.04 to MP 110.85) Phase 1	G2	Μ	B-4-b	\$95,200	\$70,900	\$10,000	\$142,300	\$318,400
M2012002 DMC	DMC Turnout Flow Measurement - MP 76.05	E7	Μ	C-5-c	\$27,800	\$5,000	\$0	\$75,000	\$107,800
C2009007 DMC	Lower DMC Check Structure Stoplog & Guide Replacement	G5	Μ	C-5-c	\$43,700	\$1,000	\$0	\$275,000	\$319,700
	MAINTENANCI	E PRO	JECT	TOTALS	\$923,600	\$215,361	\$19,100	\$1,124,500	\$2,282,561
Project Type:	RESERVE	Acct							
Project # Fac	Project Title	Code	Type	<b>Priority</b>	<u>Labor</u>	<u>Materials</u>	<u>Equip.</u>	Contract	<u>Total</u>
V1999001 VEH	Heavy Equipment Replacement Program (Reserve Fund)	D2	RS	B-5-b	\$0	\$0	\$0	\$549,000	\$549,000
V1999002 VEH	Vehicle Replacement (Reserve Fund)	D1	RS	B-6-c	\$0	\$0	\$0	\$242,600	\$242,600
C2011001 ALL I	Facility Infrastructure Replacement/Rehabilitation Program	D3	RS	B-7-c	\$0	\$0	\$0	\$106,000	\$106,000
E2000004 ALL F	Replace Computer/Network Communication Equip (Reserve Fund)	D0	RS	C-6-b	\$0	\$27,750	\$0	\$0	\$27,750
	RESERVI	E PRO	JECT	TOTALS	\$0	\$27,750	\$0	\$897,600	\$925,350
Project Type:	USBR FUNDED PROJECT	Acct							
Project # Fac	Project Title	Code	<u>Type</u>	<u>Priority</u>	<u>Labor</u>	Materials	<u>Equip.</u>	<u>Contract</u>	<u>Total</u>
E1999001 JPP (	Unit 2 Rewind - Phase 3 (USBR Funds)	F4	RX	B-3-a	\$524,600	\$2,100	\$9,100	\$5,076,700	\$5,612,500
	USBR FUNDED PROJEC	T PRO	JECT	TOTALS	\$524,600	\$2,100	\$9,100	\$5,076,700	\$5,612,500
	FY 2	019	SUBT	ΤΟΤΑΙ	\$1,448,200	\$245,211	\$28,200	\$7,098,800	\$8,820,411

## San Luis & Delta-Mendota Water Authority

## FY 2020 PROJECTS

Project Type:	MAINTENANCE	Acct							
<u>Project # Fac</u>	Project Title	Code	<u>Type</u>	<u>Priority</u>	<u>Labor</u>	<u>Materials</u>	<u>Equip.</u>	<u>Contract</u>	<u>Total</u>
M2015006 ONP	Rehabilitate Pump Assemblies - Phase 5	E2	Μ	B-3-b	\$644,700	\$44,330	\$0	\$255,400	\$944,430
M2012004 ONP	Rehabilitate Penstock Interiors	E4	Μ	B-3-b	\$105,900	\$28,331	\$0	\$360,700	\$494,931
C2015004 DMC	DMC Service Area 5 Yr Subsidence Survey	H1	Μ	B-3-c	\$0	\$0	\$0	\$75,000	\$75,000
C1997002 DMC	O&M Road Maintenance Program - Phase 9 of 10	E6	Μ	B-4-b	\$38,400	\$65,800	\$9,100	\$16,100	\$129,400
C2016001 DMC	DMC Road Repair (MP 105.03 to MP 110.85) Phase 2	G2	Μ	B-4-b	\$99,500	\$137,100	\$10,000	\$281,100	\$527,700
M2015002 TFO	Domestic Water Treatment Plant Replacement	H0	Μ	C-3-c	\$51,100	\$0	\$0	\$75,000	\$126,100
	MAINTENANC	E PRO	JECT	TOTALS	\$939,600	\$275,561	\$19,100	\$1,063,300	\$2,297,561
Project Type:	RESERVE	<u>Acct</u>							
Project # Fac	Project Title	Code	Type	<b>Priority</b>	<u>Labor</u>	Materials	<u>Equip.</u>	<u>Contract</u>	<u>Total</u>
V1999001 VEH	Heavy Equipment Replacement Program (Reserve Fund)	D2	RS	B-5-b	\$0	\$0	\$0	\$744,200	\$744,200
V1999002 VEH	Vehicle Replacement (Reserve Fund)	D1	RS	B-6-c	\$0	\$0	\$0	\$275,800	\$275,800
C2011001 ALL	Facility Infrastructure Replacement/Rehabilitation Program	D3	RS	B-7-c	\$0	\$0	\$0	\$137,000	\$137,000
E2000004 ALL I	Replace Computer/Network Communication Equip (Reserve Fund)	D0	RS	C-6-b	\$0	\$90,350	\$0	\$0	\$90,350
	RESERV	E PRO	JECT	TOTALS	\$0	\$90,350	\$0	\$1,157,000	\$1,247,350
Project Type:	USBR FUNDED PROJECT	Acct							
Project # Fac	Project Title	Code	<u>Type</u>	<b>Priority</b>	<u>Labor</u>	Materials	<u>Equip.</u>	<u>Contract</u>	<u>Total</u>
E1999001 JPP	Unit 1 Rewind - Phase 4 (USBR Funds)	F4	RX	B-3-a	\$545,900	\$2,100	\$9,100	\$5,076,700	\$5,633,800
	USBR FUNDED PROJEC	T PRO	JECT	TOTALS	\$545,900	\$2,100	\$9,100	\$5,076,700	\$5,633,800
	FY 2	020	SUBT	ΤΟΤΑΙ	\$1,485,500	\$368,011	\$28,200	\$7,297,000	\$9,178,711

## SL&DMWA 10 Year Plan (EO&M and Reserve Projects)

## EXTRAORDINARY MAINTENANCE PROJECTS

						DRA
Estir	nated Project Co					
、 、	2023	2024	2025	2026	2027	2028
)	550.0					
)	550.0	4.40.0	440 5	450.0		400.0
	138.1	142.3	146.5	150.9	155.5	160.2
			87.0			
				46.8		
)	186.3	192.0				
					44.0	
					44.6	
	105.0					404 7
	105.0	210 5				121.7
	305.0	312.5	106.1			
	100.0	103.0	106.1			
		227.9 250.0	235.2			
			014.2	939.7	067.0	007.0
		1,245.2 200.0	914.3	939.7	967.9	997.0
		75.0				
		75.0	300.0			
			98.6			
			50.0	300.0		
				75.0		250.0
					75.0	200.0
						88.6
5	\$1,384.4	\$2,747.9	\$1,887.7	\$1,512.4	\$1,243.0	\$1,617.5
	nated Project Co			. ,		. , -
	2023	2024	2025	2026	2027	2028
	074.0	00 / <b>T</b>	000.0	00.0		(0.0
	371.0	331.7	369.0	32.9	004.0	16.8
	165.6	132.0	170.8	207.2	234.3	80.7
	52.0	149.0	92.0	76.0	33.0	114.0
	91.2	65.8	101.3	65.4	142.6	77.0
)	\$679.8	\$678.5	\$733.1	\$381.5	\$409.9	\$288.5

EXTRAORI	DINARY MAINTENANCE PROJECTS					Estil	mated Project Co	ost (x \$1,000)				
EO&M #	Project Title	Code Facility Priority	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
M2012004	Rehabilitate Penstocks Interiors	E4 ONP B-3-	o 490.6	494.9	383.0	395.0						
M2015006	Rehabilitate Pump Assemblies Program	E2 ONP B-3-	o 918.2	944.4	896.1	922.9	550.0					
C1997002	O&M Road Maintenance Program	E6 DMC B-4-	o 127.8	129.4	130.2	134.1	138.1	142.3	146.5	150.9	155.5	160.2
C2016001	DMC Road Repair (MP 102.04R to MP 110.85R)	G2 DMC B-4-	o 318.4	527.7								
C2009007	Lower DMC Check Structure Stoplog & Guide Replaceme	nt G5 DMC C-5-	c 319.7									
M2012002	DMC Turnout Flow Measurement Improvements (1/2 CCII	D) E7 DMC C-5-	c 107.8									
C2015004	DMC 5 Yr Subsidence Survey	H1 DMC B-3-	C	75.0					87.0			
M2015002	Domestic Water Treatment Plant Replacement	H0 TFO C-3-	C	126.1								
E2015002	Arc Flash Study - OPP	F7 ONP A-3-	D		40.4					46.8		
E1995005	Main Transformer Rehabilitation	G3 ONP B-3-	C		176.2	180.9	186.3	192.0				
M1994024	Rehabilitate ONP Motor Air Coolers	ONP B-4-	C		270.9							
C2017002	Retaining Wall and Drainage Ditch Repairs	TFO B-5-	C		50.0							
C2006001	DMC Subsidence & Conveyance Capacity Study	DMC C-4-	C		50.0							
E2014006	Plant SCADA System Upgrade	JPP C-4-	C		175.0	180.1						
E2015001	Arc Flash Study - TFO & LBFO Facilities	E1 TFO A-3-	C			38.4					44.6	
M2016001	Purchase Wear Rings for Pumps	JPP B-3-	C			300.1						
E2015003	Arc Flash Study - JPP	F8 JPP A-3-	C				105.0					121.7
C2015001	Concrete Lining Repair (MP92 to MP97)	F0 DMC B-3-	C				305.0	312.5				
M2015003	Rehabilitate Coating on Pump Casings	JPP B-3-	C				100.0	103.0	106.1			
E2009003	Protective Relay/Control Panel/SCADA Replacement	G1 ONP B-2-	C					227.9	235.2			
M1994022	Recondition ONP Cooling Water System	ONP B-2-	C					250.0				
E2009005	JPP Excitation Cabinet & Control Panel Refurbishment	F9 JPP B-3-	C					1,245.2	914.3	939.7	967.9	997.0
C2017003	Turnout Gate & Trashrack Replacement Program	DMC B-4-	C					200.0				
C2009001	Retaining Wall Rehabilitation	JPP B-5-	C					75.0				
C1996012	Intake Channel Embankment Stabilization	DMC B-3-	C						300.0			
C2009009	Road Rehabilitation (MP 111.51 - MP 115.6)	DMC B-7-	C						98.6			
M1999002	Unit Woodward Governor Replacement (All Units)	ONP B-4-	C							300.0		
C2009003	Wasteway Capacity Restoration	DMC C-5-	C							75.0		250.0
E2009004	UPS Battery Replacement	JPP B-4-	C								75.0	
M2017001	OPP Shaft Sleeve Manufacturing	F3 ONP B-4-	C									88.6
		FY TOTALS (x \$1,000):	\$2,282.6	\$2,297.6	\$2,171.8	\$2,151.5	\$1,384.4	\$2,747.9	\$1,887.7	\$1,512.4	\$1,243.0	\$1,617.5
RESERVE	PROJECTS	- · · ·					mated Project Co	ost (x \$1,000)				
EO&M #	Project Title	Code Facility Priority	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
C1994002	Concrete Lining Repairs (Reserve Fund)	DMC B-3-	D									
C2001001	Seepage Repairs (Reserve Fund)	DMC B-3-	D									
V1999001	Heavy Equipment Replacement Program (Reserve Fund)	D2 VEH B-5-	o 549.0	744.2	481.0	360.2	371.0	331.7	369.0	32.9		16.8
V1999002	Vehicle Replacement Program (Reserve Fund)	D1 VEH B-6-	c 242.6	275.8	175.9	29.9	165.6	132.0	170.8	207.2	234.3	80.7
C2011001	Facility Infrastructure Replacement/Rehabilitation Program	n D3 ALL B-7-	c 106.0	137.0	55.0	214.0	52.0	149.0	92.0	76.0	33.0	114.0
E2000004	Replace Computer/Network Comm Equip (Reserve Fund)	D0 ALL C-6-	o 27.8	90.4	89.9	123.9	91.2	65.8	101.3	65.4	142.6	77.0
		FY TOTALS (x \$1,000):	\$925.4	\$1,247.4	\$801.8	\$728.0	\$679.8	\$678.5	\$733.1	\$381.5	\$409.9	\$288.5

## DRAFT

USBR RAX PROJECT (PENDING) Estimated Project Cost (x \$1,000)													
EO&M #	Project Title	Code Facility	Priority	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
E1999001	Unit Rewinds (Rotor & Stator) All Units	F4 JPP	B-3-a	5,612.5	5,633.8	6,100.0	6,300.0	6,600.0					
E2015005	Station Service & Distribution Equipment Replacement	ONP	B-3-b							500.0	515.0	530.0	
C2015003	Canal Modification Due to Subsidence	DMC	B-3-c						50.0	1,500.0	1,545.0		
E2004002	Unit Rotor & Stator Rewind (All Units)	F5 ONP	B-3-c						1,500.0	1,545.0	1,591.0	1,639.0	1,688.0
		FY TOTALS (x \$	1,000):	\$5,612.5	\$5,633.8	\$6,100.0	\$6,300.0	\$6,600.0	\$1,550.0	\$3,545.0	\$3,651.0	\$2,169.0	\$1,688.0
\$21,500.9		τοτ	TALS:	\$8,820.4	\$9,178.7	\$9,073.6	\$9,179.5	\$8,664.2	\$4,976.3	\$6,165.8	\$5,544.9	\$3,821.9	\$3,594.0

Monday, October 16, 2017 6:22:51 PM

10 Year Plan Grand Total (x\$1,000): \$69,019.2

# FY2019

# Extraordinary O&M Projects

# Information

## San Luis & Delta-Mendota Water Authority Extraordinary O&M Projects

Project Description and Justification SheetProject No.:M2015006Project Code:E2-2019Priority:B-3-bFacility:ONPProject Title:Rehabilitate Pump Assemblies - Phase 4Estimated Total Cost:\$918,230.00CONTRACT COSTS:\$255,400.00IN-HOUSE COSTS:Labor:\$618,500.00Materials:\$44,330.00Equipment:\$0.00

## **Project Description and Scope:**

This project will consist of a complete disassembly of the unit mechanical components from the motor/generator assembly to the pump suction piece. All of the internal and external pieces will be transported to the Tracy Office, or to a specialty industrial contractor, for rehabilitation. The rehabilitation work will include sandblasting the deteriorated coatings, repairing the corroded/pitted surfaces and repainting the components with a Reclamation approved coating.

All of the pump internal components will be checked for adequate wall thickness and any weld repairs will be performed by our in-house staff. All of the existing access doors will be replaced. The erosion/corrosion on the pump vanes will receive weld repairs. The pump bearing carriers will be replaced and the pump bearing mounting assembly will be rehabilitated/repaired at the Tracy Machine Shop. Two new access hatches will be fabricated and installed to provide safe ingress/egress to the pump bowl section for annual maintenance activities.

Upon completion of all the rehabilitation work the unit will be completely reassembled. This project is expected to take 9 months to complete. The plan is to start in April and complete the work in December.

To minimize unit outages, this work is planned to be performed in conjunction with the OPP Rehabilitate Penstock Interiors project on the same unit. In addition, these two projects should be performed in consecutive years until all the units have been completed.

(NOTE: The exterior coating on the external pieces tested positive for Lead. All proper handling/disposal procedures will be followed when working with the Lead contaminated pieces.)

#### **Project Purpose and Background:**

The purpose of this project is to completely rehabilitate the mechanical components of the six (6) OPP units to prevent reliability issues and to extend the life of the components. The mechanical components of the pump/generating units at O'Neill are approaching 50 years in age. The units have been reliable and have been functioning satisfactorily, but there are signs of corrosion, minor cavitation and coating failures. Once this project has been completed, these units should perform satisfactorily for another 50 years.

Operational Note: With current operational requirements, having one unit unavailable during this planned period should not impact our ability to make all deliveries and move any excess water into San Luis Reservoir for storage. Having the DCI (Delta Mendota-California Aqueduct-Intertie) available will ensure that even at maximum pumping at the Jones Pumping Plant (JPP) no water will be lost.

## Project Status:

FY2019 Project - Recommend Unit 2 for this phase. No significant issues at this time.

## San Luis & Delta-Mendota Water Authority EO&M Project Cost Summary

## FY2019 M2015006 OPP Rehabilitate Pump Assemblies

Total Fully Burdened Labor Co	ost	\$ 618,500.00
Total Materials		\$ 44,330.00
Total Vehicles & Equipment		\$ -
Total Contracts		\$ 255,400.00
	Project Grand Total	\$ 918,230.00

Date Proposal Completed:

8/3/2017 by Bob Martin

NOTE: Labor cost is rounded to the nearest \$100.

#### San Luis & Delta-Mendota Water Authority EO&M Project Cost Summary

FY2019		ully Burdened on Hourly Rate	FY19 Fully Burdened	No. Of	No. In	No. Per	Total Regular	Total Overtime	Regular Direct		
M2015006 OPP Rehabilitate Pump Assemblies	rate	t highest total per craft penefits)	OT Rate (includes PR tax & W/Comp)	Hours	Craft	Phase	Hours	Hours	Labor	Overtime Labor	Total Labor Cost
		A	В	С	D	Е	F	G	Н		J
				-	_		CXDXE	-	=A x F	=B x G	= sum H + I
Apprentice Control Operator	\$	121.90	\$ 127.73	0	0	0	0	0	\$ -	\$ -	\$ -
Apprentice Electrician	\$	107.54		0	0	0	0	0	\$ -	\$ -	\$ -
Apprentice Plant Mechanic	\$	107.54		0	0	0	0	0	\$ -	\$ -	\$ -
Apprentice Maintenance Worker	\$	71.88		0	0	0	0	0	\$ -	\$ -	\$ -
C&I Technician	\$	129.21	\$ 136.54	160	1	1	160	0	\$ 20,673.60	\$ -	\$ 20,673.60
Canal Operator	\$	71.25	\$ 66.69	0	0	0	0	0	\$ -	\$ -	\$ -
Relief Canal Operator	\$	74.05	\$ 70.06	0	0	0	0	0	\$ -	\$ -	\$ -
Control Operator	\$	133.68	\$ 141.93	0	0	0	0	0	\$ -	\$ -	\$ -
Control Operator Relief	\$	136.03	\$ 144.77	0	0	0	0	0	\$ -	\$ -	\$ -
Information Systems Asset Manager	\$	131.80		0	0	0	0	0	\$ -	\$ -	\$ -
Electrical Foreman	\$	141.06		0	0	0	0	0	\$ -	\$ -	\$ -
Buyer	\$	77.02		0	0	0	0	0	\$ -	\$ -	\$ -
Electrician	\$	126.30	\$ 133.04	40	1	14	560	0	\$ 70,728.00	\$ -	\$ 70,728.00
Engineer, Civil -Associate	\$	138.04	\$ 148.67	121	1	1	121	0	\$ 16,702.84	\$ -	\$ 16,702.84
Engineer, Civil Assistant	\$	106.39	\$ 110.13	0	0	0	0	0	\$ -	\$ -	\$ -
Engineer, Junior	\$	89.32	\$ 88.47	0	0	0	0	0	\$-	\$-	\$-
Engineer, Electrical - Associate	\$	142.51	\$ 152.58	0	0	0	0	0	\$ -	\$ -	\$ -
Engineer, Mechanical - Associate	\$	142.51	\$ 152.58	220	1	1	220	0	\$ 31,352.20	\$ -	\$ 31,352.20
Information Technology Specialist	\$	113.59	\$-	0	0	0	0	0	\$-	\$-	\$-
Equipment Mechanic	\$	80.62	\$ 77.99	0	0	0	0	0	\$-	\$-	\$-
Equipment Operator	\$	83.34	\$ 81.26	32	2	6	384	0	\$ 32,002.56	\$-	\$ 32,002.56
Foreman, O'Neill Pumping Plant	\$	141.06	\$ 150.82	24	1	14	336	0	\$ 47,396.16	\$-	\$ 47,396.16
Hydrotech-1, (Was Meter Maint./Relief Canal Op)	\$	75.98	\$ 72.39	0	0	0	0	0	\$-	\$-	\$-
Hydrotech-2 (Was Hydrographer)	\$	79.14	\$ 76.20	0	0	0	0	0	\$-	\$-	\$-
Maintenance Foreman	\$	94.18	\$ 94.33	0	0	0	0	0	\$-	\$-	\$-
Safety Engineer	\$	142.51		40	1	1	40	0	\$ 5,700.40	\$-	\$ 5,700.40
Maintenance Supt., Civil	\$	103.77		40	1	1	40	0	\$ 4,150.80		\$ 4,150.80
Maintenance Worker	\$	78.10		40	2	14	1120	0	\$ 87,472.00	\$-	\$ 87,472.00
Student Aid	\$	19.40		0	0	0	0	0	\$-	\$-	\$-
Maintenance Worker, Painter	\$	86.08		160	1	1	160	0	\$ 13,772.80	\$-	\$ 13,772.80
Manager, Planning & Engineering	\$	153.99	\$-	0	0	0	0	0	\$-	\$-	\$-
Manager, Operations & Maintenance	\$	159.04		0	0	0	0	0	\$-	\$-	\$-
Planner, Civil Maintenance	\$	87.40		0	0	0	0	0	\$-	\$-	\$-
Planner, Hydro-Electric Maintenance	\$	107.07		0	0	0	0	0	\$-	\$-	\$-
Plant Mech. 2, HE	\$	126.30	\$ 133.04	40	4	14	2240	0	\$ 282,912.00	\$-	\$ 282,912.00
Plant Mech. Foreman, HE	\$	141.06		40	1	1	40	0	\$ 5,642.40		\$ 5,642.40
Project Coordinator	\$	93.43		0	0	0	0	0	\$-	\$-	\$-
SCADA Engineer	\$	140.93		0	0	0	0	0	\$-	\$-	\$-
Water Operations Superintendent	\$	105.29		0	0	0	0	0	\$-	\$-	\$-
Operations Supervisor	\$	143.37	Ŧ	0	0	0	0	0	\$-	\$-	\$-
Weed Control Specialist	\$	78.94	\$ 75.96	0	0	0	0	0	\$-	\$-	\$-
weed Control Specialist	\$	142.51		0	0	0	0	0	\$-	\$-	\$ -

Sum of Overtime Cost\$Sum of Regular Time Cost\$618,505.76

 Sum of Regular Time Cost
 \$ 010,000.70

 Tot Fully Burdened Labor Cost
 \$ 618,505.76

 Materials
 \$ 44,330.00

 Vehicles & Equipment
 \$ 

 Contracts
 \$ 255,440.00

Step Total \$ 918,275.76

## San Luis & Delta-Mendota Water Authority EO&M Project Materials Cost Breakdown

Item Description	Qty	Unit	Unit Cost	Total Cost
Sandblast & Painting & Supplies (In house work)	1	LS	\$ 5,150	\$ 5,150.00
Misc. Steel & Supplies	1	LS	\$ 15,450	\$ 15,450.00
Misc Parts & Materials	1	LS	\$ 15,450	\$ 15,450.00
PPE (Lead paint issue)	1	LS	\$ 2,060	\$ 2,060.00
Metal Epoxy Repair Kit (Belzona)	1	LS	\$ 5,150.00	\$ 5,150.00
Misc. Consumables	1	LS	\$ 1,070.00	\$ 1,070.00
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -

Materials Total: \$ 44,330.00

Note: 3%/year inflation adjustment included in unit cost

## San Luis & Delta-Mendota Water Authority EO&M Project Contracts Cost Breakdown

Contract Description	Cost	Total Cost
Sandblast & Painting Contract (Elbow, Tapered & Bowl Sections)	\$ 41,200	\$ 41,200.00
Discharge bowl machining	\$ 22,660	\$ 22,660.00
Dresser coupling fabrication	\$ 6,180	\$ 6,180.00
Upper enclosure tube fabrication	\$ 20,600	\$ 20,600.00
Shaft Sleeve Rehabilitation Services (2 upper & 1 lower)	\$ 36,050	\$ 36,050.00
Engineering Services (Weld Testing & USBR Insp/Tech Services)	\$ 10,300	\$ 10,300.00
Transportation Permits & Fee's	\$ 1,030	\$ 1,030.00
Lead Abatment Services (Exterior Coatings)	\$ 113,300	\$ 113,300.00
Coating sampling costs	\$ 2,060	\$ 2,060.00
HazMat Consulting Services	\$ 2,060	\$ 2,060.00

<u>Contracts Total:</u> \$ 255,440.00

Note: 3%/year inflation adjustment included in cost

# San Luis & Delta-Mendota Water Authority Extraordinary O&M Projects

**Project Description and Justification Sheet** 

Project No.: M20120	)04	Project Co	de:	E4-2	2019		Priority:	B-3-b
Facility: ONP								
Project Title: Rehabi	litate Penstor	ck Interiors						
Estimated Total Cost:	\$490,63	1.00						
CONTRACT COSTS:	\$360,700.00	)						
IN-HOUSE COSTS:	<i>Labor:</i> \$10	1,600.00	Materia	als:	\$28,331.00	Equipment:	\$0.00	
Project Description and			, _, _, _, _,	- : II				

Our current plan is to remove the existing coating, repair the severely pitted sections of the pipe and recoat the entire steel portion of the interior of the penstocks. We plan to complete one penstock per year beginning in 2017 until all penstocks have been rehabilitated. The SLDMWA staff will dewater and prepare the penstocks for entry. (NOTE: Prior to any work inside the penstock, the existing coating will be tested for lead and PCB's. If these contaminants are present, all proper handling and disposal procedures will be followed.) The flowmeters will be removed from the penstock interiors. A contractor will then sandblast and remove and properly dispose the existing coating. The SLDMWA staff will assess the condition of the sandblasted steel surface and make the necessary repairs to the steel pipe. After the pitted surfaces have been repaired, the contractor will recoat the penstocks with a Reclamation approved coating. The SLDMWA will reinstall the flowmeters. (NOTE: after installation the flowmeters will be properly aligned by their manufacturer's installation representative) The SLDMWA staff will return the penstock to service and test the flow meters for proper operation.

### Project Purpose and Background:

The purpose of this project is to remove and properly dispose of the 50 year old deteriorated/delaminated coating from the interior of each of the O'Neill P/G Plant penstocks, repair the pitted surfaces and replace the coating with a Reclamation approved coating to restore the penstocks to a like new condition. Over the years, the existing coating on each of the penstocks has been spot repaired. Recent Reclamation RO&M examination reports have identified coating failures in each of the penstocks and recommends a plan be developed to rehabilitate penstock interiors, as soon as possible, to prevent further damage to the steel pipe.

NOTE: PCB's were found in the existing coating of the Unit 6 penstock. As a result, it is assumed that all the penstock existing coatings will contain PCB's. Prior to any work on the interior coating, paint samples will be tested for PCB's. All proper handling/disposal procedures will be followed when working with the PCB contaminated coatings.

### **Project Status:**

FY2019 Project - Awaiting approval/funding

# FY2019 M2012004 OPP Rehabilitate Penstock Interiors

Total Fully Burdened Labor Co	ost	\$ 101,600.00
Total Materials		\$ 28,331.00
Total Vehicles & Equipment		\$ -
Total Contracts		\$ 360,700.00
	Project Grand Total	\$ 490,631.00

#### Date Proposal Completed:

8/3/2017 by Bob Martin

NOTE: Labor cost is rounded to the nearest \$100.

A         B         C         D         E         F         G         H         I         J           Apprentice Control Operator         \$         121:30         \$         127:73         0         0         0         0         \$         ****         ****         \$           Apprentice Flant Mechanic         \$         107:54         \$         110:43         0         0         0         0         \$         .         \$         .         \$         \$         Apprentice Maintanane Worker         \$         110:43         0         0         0         0         \$         .         \$         \$         \$         .         \$         \$         .         \$         \$         .         \$         \$         .         \$         \$         .         \$         \$         .         \$         .         \$         \$         .         \$         \$         .         \$         \$         .         \$         \$         .         \$         .         .         \$         .         .         .         \$         .         .         .         .         .         .         .         .         .         .         .	FY2019 M2012004 OPP Rehabilitate Penstock Interiors	FY19 Fully Burde Production Hourly (current highest t rate per craft w/benefits)	Rate Fi	Y19 Fully Burdened DT Rate (includes PR tax & W/Comp)	No. Of Hours	No. In Craft	No. Per Phase	Total Regular Hours	Total Overtime Hours	Regular Direct Labor	Overtime Labor	Total Labor Cost
Apprenice Control Operator         \$         127.73         0         0         0         0         \$         .         .         .         .         .         \$         .         .         .         \$         .         .         \$         .         .         .         \$         .         \$ <t< th=""><th></th><th></th><th></th><th>В</th><th>С</th><th>D</th><th>E</th><th>F</th><th>G</th><th>Н</th><th>I</th><th>J</th></t<>				В	С	D	E	F	G	Н	I	J
Apprenice Electrician         \$         107,74         \$         110,43         0         0         0         0         \$         . </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>CxDxE</th> <th></th> <th>=A x F</th> <th>=B x G</th> <th>= sum H + I</th>								CxDxE		=A x F	=B x G	= sum H + I
Apprenice Plant Mechanic         \$         107.54         \$         110.43         0         0         0         0         \$         \$         \$         \$           CAI Technician         \$         172.81         \$         67.45         0         0         0         0         \$	Apprentice Control Operator	\$ 121	.90 \$	127.73	0	0	0	0	0	\$-	\$-	\$-
Apprentice Maintenance Worker         \$         71.88         87.46         0         0         0         0         0         \$         \$         5           Canal Operator         \$         71.25         \$         6669         0         0         0         \$	Apprentice Electrician	\$ 107	.54 \$	110.43	0	0	0	0	0	\$ -	\$-	\$ -
CÅI Technician       \$       129.21       \$       136.64       16       1       2       32.0       \$       4.134.72       \$       5       4.1         Canal Operator       \$       74.05       \$       6669       0       0       0       0       \$<	Apprentice Plant Mechanic	\$ 107	.54 \$	110.43	0	0	0	0	0	\$ -	\$-	\$ -
Canal Operator         \$         71.25         \$         66.60         0	Apprentice Maintenance Worker	\$ 71	.88 \$	67.45	0	0	0	0	0	\$ -	\$-	\$ -
Relief Canal Operator       \$       74.05       \$       70.06       0 <t< td=""><td>C&amp;I Technician</td><td>\$ 129</td><td>.21 \$</td><td>136.54</td><td>16</td><td>1</td><td>2</td><td>32</td><td>0</td><td>\$ 4,134.72</td><td>\$ -</td><td>\$ 4,134.72</td></t<>	C&I Technician	\$ 129	.21 \$	136.54	16	1	2	32	0	\$ 4,134.72	\$ -	\$ 4,134.72
Control Operator Relief       \$       138.08       \$       141.09       0       0       0       0       0       \$       .       .       .       \$       .       \$       .       \$       .       \$       .       \$       .       \$       .       \$       \$       \$	Canal Operator	\$ 71	.25 \$	66.69	0	0	0	0	0	\$-	\$-	\$-
Control Operator Relief         \$         136.03         \$         144.77         0         0         0         0         0         \$         .         \$<         \$<         \$<         \$<         \$<         \$<         \$<         \$<	Relief Canal Operator	\$ 74	.05 \$	70.06	0	0	0	0	0	\$-	\$-	\$-
information Systems Asset Manager       \$       131.80       \$       0       0       0       0       \$       \$       \$         Electrical Proman       \$       141.06       \$       150.82       0       0       0       0       \$	Control Operator	\$ 133	.68 \$	141.93	0	0	0	0	0	\$-	\$-	\$-
Electrical Foreman       \$       141.06       \$       150.82       0       0       0       0       \$       -       \$       -       \$         Buyer       \$       77.02       \$       73.66       0       0       0       \$       -       \$       >       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       -       \$       20.208.00       \$       \$	Control Operator Relief	\$ 136	.03 \$	144.77	0	0	0	0	0	\$-	\$-	\$-
Buyer         \$         77.02         \$         77.65         0         0         0         0         \$<         \$<         \$<         \$         \$<         \$<	Information Systems Asset Manager	\$ 131	.80 \$	-	0	0	0	0	0	\$-	\$-	\$-
Electrician       \$ 126.30       \$ 133.04       80       1       2       160       0       \$ 20.208.00       \$ -       \$ 20.208.00	Electrical Foreman	\$ 141	.06 \$	150.82	0	0	0	0	0	\$-	\$-	\$-
Engineer, Civil -Associate       \$       138.04       \$       148.67       100       1       100       0       \$       13,804.00       \$       -       \$       13,804.00       \$       -       \$       13,804.00       \$       -       \$       13,804.00       \$       -       \$       13,804.00       \$       -       \$        \$       5	Buyer			73.65		0	0		0		\$-	\$-
Engineer, Unil Assistant       \$ 106.39       \$ 110.13       0       0       0       0       \$       \$       \$         Engineer, Junior       \$ 89.32       \$ 88.47       0       0       0       0       \$       \$       \$       \$         Engineer, Electrical - Associate       \$ 142.51       \$ 152.58       0       0       0       0       \$ <t< td=""><td>Electrician</td><td>\$ 126</td><td>.30 \$</td><td>133.04</td><td>80</td><td>1</td><td>2</td><td>160</td><td>0</td><td>\$ 20,208.00</td><td>\$-</td><td>\$ 20,208.00</td></t<>	Electrician	\$ 126	.30 \$	133.04	80	1	2	160	0	\$ 20,208.00	\$-	\$ 20,208.00
Engineer, Junior       \$       89.32       \$       88.47       0       0       0       0       0       \$       \$       \$         Engineer, Electrical - Associate       \$       142.51       \$       152.58       0       0       0       0       \$       \$       \$       \$       5       5       5       1formation Technology Specialist       \$       <	Engineer, Civil -Associate	\$ 138	.04 \$	148.67	100	1	1	100	0	\$ 13,804.00	\$-	\$ 13,804.00
Engineer, Hechrial - Associate       \$       142.51       \$       152.58       0       0       0       0       \$       -       \$       -       \$       5       5,700.40       \$       -       \$       5       5,700.40       \$       -       \$       5       5,700.40       \$       -       \$       5       5,700.40       \$       -       \$       5       5,700.40       \$       -       \$       5       5,700.40       \$       -       \$       5,700.40       \$       -       \$       5,700.40       \$       -       \$       5,700.40       \$       -       \$       5,700.40       \$       -       \$       5,700.40       \$       -       \$       5,700.40       \$       -       \$       5,700.40       \$       -       \$       5,700.40       \$       -       \$       5,700.40       \$       -       \$       3,33.60       \$       >       \$       2,539.08       \$       -       \$       2,539.08       \$       -       \$       2,539.08       \$       -       \$       \$       2,539.08       \$       -       \$       \$       \$       3,570.40       \$       \$       >       \$	Engineer, Civil Assistant	\$ 106	.39 \$	110.13	0	0	0	0	0	\$-	\$-	\$-
Engineer, Machanical - Associate       \$ 142.51       \$ 152.58       40       1       1       40       0       \$ 5,700.40       \$ -       \$ 5,7         Information Technology Specialist       \$ 113.59       \$ -       0       0       0       0       \$ -       \$ -       \$ 5,7         Equipment Mechanic       \$ 80.62       \$ 77.99       0       0       0       0       \$ 3.33.60       \$ -       \$ 3.3         Equipment Mechanic       \$ 141.06       \$ 150.82       18       1       1       40       0       \$ 3.33.60       \$ -       \$ 3.3         Foreman, ONeill Pumping Plant       \$ 141.06       \$ 150.82       18       1       1       18       0       \$ 2.539.08       \$ -       \$ 3.5         Hydrotech-2 (Was Hydrographer)       \$ 75.98       \$ 72.39       0       0       0       0       \$ -       \$ -       \$ 5.         Maintenance Foreman       \$ 94.18       \$ 94.33       0       0       0       0       \$ -       \$ -       \$ 5.         Maintenance Worker       \$ 142.61       \$ -       40       1       14       40       \$ 2.4,92.00       \$ -       \$ -       \$ 5.         Maintenance Worker, Painter       \$	Engineer, Junior	\$ 89	.32 \$	88.47	0	0	0	0	0	\$-	\$-	\$-
Information Technology Specialist       \$       113.59       \$       -       0	Engineer, Electrical - Associate	\$ 142	.51 \$	152.58	0	0	0	0	0	\$-	\$-	\$-
Equipment Mechanic       \$       80.62       \$       77.99       0       0       0       0       \$       -       \$       -       \$         Equipment Operator       \$       8.33.4       \$       812.6       40       1       1       40       0       \$       3.33.60       \$       \$       \$       3.3         Foreman, ONeill Pumping Plant       \$       141.06       \$       150.82       18       1       1       8       0       \$       2.539.08       \$       \$       2.5         Hydrotech-1, (Was Meter Maint/Relief Canal Op)       \$       75.98       \$       72.39       0       0       0       0       0       \$       \$       \$       2.5       \$       \$       \$       \$       \$       2.5       \$	Engineer, Mechanical - Associate	\$ 142	.51 \$	152.58	40	1	1	40	0	\$ 5,700.40	\$-	\$ 5,700.40
Equipment Operator       \$ 83.34       \$ 81.26       40       1       1       40       0       \$ 3,333.60       \$       -       \$ 3,3         Foreman, ONeill Pumping Plant       \$ 141.06       \$ 150.82       18       1       1       18       0       \$ 2,539.08       \$       -       \$ 2,5         Hydrotech-2 (Was Hydrographer)       \$ 75.98       72.39       0       0       0       0       \$	Information Technology Specialist	\$ 113	.59 \$	-	0	0	0	0	0	\$-	\$-	\$-
Foreman, O'Neill Pumping Plant       \$       141.06       \$       150.82       18       1       1       18       0       \$       2,539.08       \$       -       \$       2,5         Hydrotech-1, (Was Meter Maint./Relief Canal Op)       \$       75.98       \$       72.39       0       0       0       0       0       \$       -       \$       -       \$ <td>Equipment Mechanic</td> <td>\$ 80</td> <td>.62 \$</td> <td>77.99</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>\$-</td> <td>\$-</td> <td>\$-</td>	Equipment Mechanic	\$ 80	.62 \$	77.99	0	0	0	0	0	\$-	\$-	\$-
Hydrotech-1, (Was Meter Maint/Relief Canal Op)       \$       75.98       \$       72.39       0       0       0       0       \$       .       \$       .       \$         Hydrotech-2 (Was Hydrographer)       \$       79.14       \$       76.20       0       0       0       0       0       0       0       0       0       0       \$       .       \$       .       \$         Maintenance Foreman       \$       94.18       \$       94.33       0       0       0       0       0       \$       .       \$       .       \$	Equipment Operator	\$ 83	.34 \$	81.26	40	1	1	40	0	\$ 3,333.60	\$-	\$ 3,333.60
Hydrotech-2 (Was Hydrographer)       \$       79.14       \$       76.20       0       0       0       0       \$       -       \$       -       \$         Maintenance Foreman       \$       94.18       \$       94.33       0       0       0       0       \$       -       \$       -       \$	Foreman, O'Neill Pumping Plant	\$ 141	.06 \$	150.82	18	1	1	18	0	\$ 2,539.08	\$-	\$ 2,539.08
Maintenance Foreman       \$       94.18       \$       94.33       0       0       0       0       0       \$       -       \$       -       \$         Safety Engineer       \$       142.51       \$       -       40       1       1       400       0       \$       5,700.40       \$       -       \$       \$       5,7         Maintenance Supt., Civil       \$       103.77       \$       -       0       0       0       0       \$       -       \$       \$       5,70         Maintenance Worker       \$       103.77       \$       -       0       0       0       0       \$       -       \$	Hydrotech-1, (Was Meter Maint./Relief Canal Op)	\$ 75	.98 \$	72.39	0	0	0	0	0	\$-	\$-	\$
Safety Engineer       \$       142.51       \$       -       40       1       1       40       0       \$       5,700.40       \$       -       \$       5,7         Maintenance Supt., Civil       \$       103.77       \$       -       0       0       0       0       0       0       0       \$       -       \$       5,7         Maintenance Worker       \$       78.10       \$       74.94       80       2       2       320       0       \$       24,92.00       \$       -       \$       24,92.00       \$       -       \$       24,92.00       \$       -       \$       24,92.00       \$       -       \$       24,92.00       \$       -       \$       24,92.00       \$       -       \$       \$       24,92.00       \$       -       \$       \$       32,00       \$       -       \$       \$       24,92.00       \$       -       \$       \$       40       0	Hydrotech-2 (Was Hydrographer)	\$ 79	.14 \$	76.20	0	0	0	0	0	\$-	\$-	\$-
Maintenance Supt., Civil       \$       103.77       \$       -       0       0       0       0       0       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       0       0       0       0       0       0       0       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       -       \$       2       320       0       0       0       0       0       \$       -       \$       24,93       \$       -       \$       \$       24,93       24,93       -       \$       24,93       320       \$       -       \$       320       0	Maintenance Foreman	\$ 94	.18 \$	94.33	0	0	0	0	0	\$-	\$-	\$-
Maintenance Worker       \$ 78.10       \$ 74.94       80       2       2       320       0       \$ 24,992.00       \$       -       \$ 24,9         Student Aid       \$ 19.40       \$ 27.48       0       0       0       0       \$       -       \$       -       \$         Maintenance Worker, Painter       \$ 86.08       \$ 84.57       0       0       0       0       0       \$       -       \$       -       \$         Manager, Planning & Engineering       \$ 153.99       \$       0       0       0       0       0       \$       -       \$       \$         Manager, Operations & Maintenance       \$ 159.04       \$       -       0       0       0       0       \$       -       \$       \$         Planner, Civil Maintenance       \$ 159.04       \$       -       0       0       0       0       \$       -       \$ <td></td> <td>\$ 142</td> <td>.51 \$</td> <td>-</td> <td>40</td> <td>1</td> <td>1</td> <td>40</td> <td>0</td> <td>\$ 5,700.40</td> <td>\$-</td> <td>\$ 5,700.40</td>		\$ 142	.51 \$	-	40	1	1	40	0	\$ 5,700.40	\$-	\$ 5,700.40
Student Aid       \$ 19.40       \$ 27.48       0       0       0       0       \$ -       \$ -       \$       -       \$         Maintenance Worker, Painter       \$ 86.08       \$ 84.57       0       0       0       0       0       \$       -       \$       \$         Manager, Planning & Engineering       \$ 153.99       \$ -       0       0       0       0       \$       -       \$       \$         Manager, Operations & Maintenance       \$ 159.04       \$ -       0       0       0       0       \$       -       \$       \$         Planner, Civil Maintenance       \$ 159.04       \$ -       0       0       0       0       \$       -       \$       \$         Planner, Hydro-Electric Maintenance       \$ 107.07       \$ 109.87       0       0       0       0       \$       -       \$	Maintenance Supt., Civil	\$ 103	.77 \$	-	0	0	0		0	\$-	\$-	\$-
Maintenance Worker, Painter       \$       86.08       \$       84.57       0       0       0       0       0       \$       -       \$       -       \$         Manager, Planning & Engineering       \$       153.99       \$       -       0       0       0       0       0       \$       -       \$       \$       -       \$       \$       -       \$       \$       -       \$       \$       -       \$       \$       -       \$       \$       -       \$       \$       -       \$       \$       -       \$       \$       -       \$       \$       -       \$       \$       -       \$       \$       \$       -       \$       \$       0       0       0       0       0       \$       -       \$	Maintenance Worker		.10 \$	74.94	80	2	2	320	0	\$ 24,992.00	\$-	\$ 24,992.00
Manager, Planning & Engineering       \$ 153.99       \$ -       0       0       0       0       0       \$ -       \$ -       \$         Manager, Operations & Maintenance       \$ 159.04       \$ -       0       0       0       0       0       \$ -       \$ -       \$ <td>Student Aid</td> <td>\$ 19</td> <td>.40 \$</td> <td>27.48</td> <td>0</td> <td>0</td> <td>0</td> <td>-</td> <td>0</td> <td>Ŧ</td> <td>\$-</td> <td>\$-</td>	Student Aid	\$ 19	.40 \$	27.48	0	0	0	-	0	Ŧ	\$-	\$-
Manager, Operations & Maintenance       \$ 159.04       \$ -       0       0       0       0       0       \$ -       \$ -       \$         Planner, Civil Maintenance       \$ 87.40       \$ 86.15       60       1       1       60       0       \$ 5,244.00       \$ -       \$ 5,2         Planner, Hydro-Electric Maintenance       \$ 107.07       \$ 109.87       0       0       0       0       \$ -       \$ -       \$ 5,2         Planner, Hydro-Electric Maintenance       \$ 107.07       \$ 109.87       0       0       0       \$ -       \$ -       \$ 5,2         Plant Mech. 2, HE       \$ 126.30       \$ 133.04       60       2       1       120       0       \$ 15,156.00       \$ -       \$ -       \$ 15,15         Plant Mech. Foreman, HE       \$ 141.06       \$ 150.82       0       0       0       0       \$ -       \$ -       \$ 15,15         Project Coordinator       \$ 93.43       \$ 93.42       8       1       1       8       0       \$ 747.44       \$ -       \$ 7         SCADA Engineer       \$ 140.93       \$ 146.81       0       0       0       0       \$ -       \$ -       \$ -         Water Operations Superivisor       \$ 143.3				84.57	0	0	0	-	0		Ŧ	
Planer, Civil Maintenance       \$ 87.40       \$ 86.15       60       1       1       60       0       \$ 5,244.00       \$ -       \$ 5,2         Planner, Hydro-Electric Maintenance       \$ 107.07       \$ 109.87       0       0       0       0       \$ -       \$ -       \$ 5,2         Planner, Hydro-Electric Maintenance       \$ 107.07       \$ 109.87       0       0       0       0       \$ -       \$ -       \$ 5,2         Plant Mech. 2, HE       \$ 126.30       \$ 133.04       60       2       1       120       0       \$ 15,156.00       \$ -       \$ 15,15         Plant Mech. Foreman, HE       \$ 141.06       \$ 150.82       0       0       0       0       \$ -       \$ -       \$ 15,15         Project Coordinator       \$ 93.43       \$ 93.42       8       1       1       8       0       \$ 747.44       \$ -       \$ 7         SCADA Engineer       \$ 140.93       \$ 146.81       0       0       0       0       \$ -			.99 \$	-	0	0	0	-	0	Ŧ	\$-	+
Planner, Hydro-Electric Maintenance       \$       107.07       \$       109.87       0       0       0       0       0       \$       -       \$       -       \$         Plant Mech. 2, HE       \$       126.30       \$       133.04       60       2       1       120       0       \$       15,156.00       \$       -       \$       15,157         Plant Mech. Foreman, HE       \$       141.06       \$       150.82       0       0       0       0       0       \$       -       \$       15,156.00       \$       -       \$       15,156.00       \$       -       \$       15,156.00       \$       -       \$       15,156.00       \$       -       \$       15,156.00       \$       -       \$       15,156.00       \$       -       \$       15,156.00       \$       -       \$       15,156.00       \$       -       \$       15,156.00       \$       -       \$       15,156.00       \$       -       \$       15,156.00       \$       -       \$       15,156.00       \$       -       \$       15,156.00       \$       -       \$       15,156.00       \$       -       \$       15,156.00       \$       - <td></td> <td></td> <td></td> <td>-</td> <td>0</td> <td>0</td> <td>0</td> <td>-</td> <td>0</td> <td></td> <td>Ŧ</td> <td>\$-</td>				-	0	0	0	-	0		Ŧ	\$-
Plant Mech. 2, HE       \$ 126.30       \$ 133.04       60       2       1       120       0       \$ 15,156.00       \$ -       \$ 15,157.00         Plant Mech. Foreman, HE       \$ 141.06       \$ 150.82       0       0       0       0       \$ -       \$ -       \$ 15,157.00       \$ -       \$ -       \$ 15,157.00       \$ -       \$ -       \$ 15,157.00       \$ -       \$ -       \$ 15,157.00       \$ -       \$ 15,157.00       \$ -       \$ 15,157.00       \$ -       \$ 15,157.00       \$ -       \$ 15,157.00       \$ -       \$ 15,157.00       \$ -       \$ -       \$ 15,157.00       \$ - <td< td=""><td>Planner, Civil Maintenance</td><td></td><td></td><td></td><td>60</td><td>-</td><td>-</td><td></td><td>0</td><td>+ -)</td><td>\$-</td><td>¥ -)</td></td<>	Planner, Civil Maintenance				60	-	-		0	+ -)	\$-	¥ -)
Plant Mech. Foreman, HE       \$ 141.06       \$ 150.82       0       0       0       0       \$ -       \$ -       \$       \$         Project Coordinator       \$ 93.43       \$ 93.42       8       1       1       8       0       \$ 747.44       \$ -       \$ 7         SCADA Engineer       \$ 140.93       \$ 146.81       0       0       0       0       \$ -       \$ -       \$ -       \$         Water Operations Superintendent       \$ 105.29       \$ -       0       0       0       0       \$ -       \$ -       \$         Operations Supervisor       \$ 143.37       \$ -       0       0       0       0       \$ -       \$ -       \$         Weed Control Specialist       \$ 78.94       \$ 75.96       0       0       0       \$ -       \$ -       \$ -       \$	Planner, Hydro-Electric Maintenance	\$ 107	.07 \$	109.87	0	0	0	0	0	\$-	\$-	\$-
Project Coordinator       \$ 93.43       \$ 93.42       8       1       1       8       0       \$ 747.44       \$ -       \$ 7         SCADA Engineer       \$ 140.93       \$ 146.81       0       0       0       0       \$ - <td></td> <td>Ŧ –</td> <td> +</td> <td>133.04</td> <td>60</td> <td>2</td> <td>1</td> <td>120</td> <td>0</td> <td>\$ 15,156.00</td> <td>\$-</td> <td>\$ 15,156.00</td>		Ŧ –	+	133.04	60	2	1	120	0	\$ 15,156.00	\$-	\$ 15,156.00
SCADA Engineer       \$ 140.93       \$ 146.81       0       0       0       0       0       \$ -       \$ -       \$       \$         Water Operations Superintendent       \$ 105.29       \$ -       0       0       0       0       \$       -       \$ <td>,</td> <td>1</td> <td></td> <td></td> <td>-</td> <td>0</td> <td>0</td> <td>-</td> <td>-</td> <td>Ŧ</td> <td>Ŧ</td> <td>+</td>	,	1			-	0	0	-	-	Ŧ	Ŧ	+
Water Operations Superintendent       \$ 105.29       \$ -       0       0       0       0       0       \$ -       \$ -       \$       \$         Operations Supervisor       \$ 143.37       \$ -       0       0       0       0       \$       -       \$       \$         Weed Control Specialist       \$ 78.94       \$ 75.96       0       0       0       0       \$       -       \$       -       \$		,	- +		8	•		-	-	<b>v</b>		7
Operations Supervisor         \$ 143.37         \$ -         0         0         0         0         \$ -         \$ -         \$         \$           Weed Control Specialist         \$ 78.94         \$ 75.96         0         0         0         0         \$ -         \$ -         \$         \$				146.81		0	-					
Weed Control Specialist         \$         78.94         \$         75.96         0         0         0         0         \$         - <t< td=""><td></td><td>1</td><td></td><td></td><td>-</td><td>-</td><td>-</td><td></td><td></td><td>Ŧ</td><td></td><td>+</td></t<>		1			-	-	-			Ŧ		+
					-	-	-					
		1				-	-			Ŧ		+
Engineer, Plant         \$ 142.51         \$ 152.58         0         0         0         0         \$ -         \$ -         \$           938         0         Sum of Overtime Cost         \$	Engineer, Plant	\$ 142	.51 \$	152.58	0	0	0	0	0	\$-	\$-	\$-

Sum of Overtime Cost \$ -Sum of Regular Time Cost \$ 101,559.64

Tot Fully Burdened Labor Cost \$ 101,559.64 Materials \$ 28,331.00 Vehicles & Equipment \$ -Contracts \$ 360,706.00

Step Total \$ 490,596.64

## San Luis & Delta-Mendota Water Authority EO&M Project Materials Cost Breakdown

Item Description	Qty	Unit	Uı	nit Cost	Total Cost
Misc. fastening parts (PVC included)	1	LS	\$	2,060	\$ 2,060.00
PPE	1	LS	\$	1,036	\$ 1,036.00
Pitted Surface Repair Epoxy	1	LS	\$	20,600	\$ 20,600.00
Welding Rod for Pitted Surface Repairs	1	LS	\$	2,060	\$ 2,060.00
Misc. Consumables	1	LS	\$	515	\$ 515.00
Magnetic Scaffolding Suport Device	1	LS	\$	2,060	\$ 2,060.00
					\$ -
					\$ -

<u>Materials Total:</u> \$ 28,331.00

Note: 3%/year inflation adjustment included in unit cost

## San Luis & Delta-Mendota Water Authority EO&M Project Contracts Cost Breakdown

Contract Description	Cost	Total Cost		
Coating removal/disposal & surface preparation and repainting	\$ 350,200	\$	350,200.00	
Coating sampling costs	\$ 2,060	\$	2,060.00	
HazMat Consulting Fees	\$ 2,060	\$	2,060.00	
Contract Advertising Fees	\$ 206	\$	206.00	
Accusonic Installation Certification Service	\$ 6,180	\$	6,180.00	
		\$	-	
		\$	-	
		\$	-	

<u>Contracts Total:</u> \$ 360,706.00

Note: 3%/year inflation adjustment included in cost

# San Luis & Delta-Mendota Water Authority Extraordinary O&M Projects

**Project Description and Justification Sheet** 

<b>Project No.:</b> C1997002	<b>Project Code:</b>	E6-2019		Priority:	B-4-b
Facility: DMC					
Project Title: O&M Road Main	ntenance Program - P	hase 8 of 10			
Estimated Total Cost: \$12	27,800.00				
CONTRACT COSTS: \$16,100	0.00				
IN-HOUSE COSTS: Labor:	\$36,800.00 Mate	erials: \$65,800.00	Equipment:	\$9,100.0	0
Project Description and Scope:					
This phase will install approxir	nately 10.88 miles of a	a chipseal coat to th	ne 12' wide O&	M Road	

between MP 51.21 and 62.09.

The O&M Road Repair and Maintenance Program was approved by the O&M Technical Committee in 1998. The Program was organized in three categories: 1. Repair; 2. Rehabilitation, and 3. Maintenance. The O&M Road Repair category work began in 1998 and was completed in 2000. The O&M Road Rehabilitation category work began in 2001 and was completed in 2007. The O&M Road Maintenance Program began in the summer of 2009 (FY2010). The objective of the O&M Road Maintenance Program is to apply a wearing surface (or chipseal) on approximately one tenth of the DMC roadway annually.

### **Project Purpose and Background:**

The entire length of the O&M road of the Delta-Mendota Canal is traveled daily by operations and maintenance personnel and, in some areas the general public. To extend the life of the O&M road and reduce overall maintenance and/or repair costs, the O&M Technical Committee approved the O&M Road Repair and Maintenance Program in 1998. The Program was organized in three categories: 1. Repair; 2. Rehabilitation, and 3. Maintenance. The O&M Road Repair category work began in 1998 and was completed in 2000. The O&M Road Rehabilitation category work began in 2001 and was completed in 2007. The O&M Road Maintenance Program began in the Summer of 2009 (FY2010). The objective of the O&M Road Maintenance Program is to apply a wearing surface (or chipseal) on approximately one tenth of the DMC roadway annually. The actual lengths and locations will be determined annually based on roadway use and condition.

### Project Status:

FY2019 Project - Awaiting approval/funding

# FY2019 C1997002 DMC O&M Road Maintenance Program MP 51.21 to MP 62.09

Total Fully Burdened Labor Cos	st	\$ 36,800.00
Total Materials		\$ 65,800.00
Total Vehicles & Equipment		\$ 9,100.00
Total Contracts		\$ 16,100.00
F	Project Grand Total	\$ 127,800.00

#### Date Proposal Completed:

8/3/2017 by Bob Martin

NOTE: Labor cost is rounded to the nearest \$100.

FY2019 C1997002 DMC O&M Road Maintenance Program MP 51.21 to MP 62.09	Product (currei rat	Fully Burdened ion Hourly Rate ht highest total e per craft /benefits)	FY19 Fully OT Rate ( PR tax & V	(includes	No. Of Hours	No. In Craft	No. Per Phase	Total Regular Hours	Total Overtime Hours	Regular Direct Labor	с	overtime Labor	Tota	al Labor Cost
	v	A	E	3	С	D	Е	F	G	н		1		J
				-	•			CXDXE		=A x F		=B x G	= 5	sum H + I
Apprentice Control Operator	\$	121.90	\$	127.73	0	0	0	0	0	\$ -	\$		\$	-
Apprentice Electrician	\$	107.54		110.43	0	0	0	0	0	\$ -	\$	-	\$	-
Apprentice Plant Mechanic	\$	107.54		110.43	0	0	0	0	0	\$ -	\$	-	\$	-
Apprentice Maintenance Worker	\$	71.88		67.45	0	0	0	0	0	\$ -	\$	-	\$	-
C&I Technician	\$	129.21		136.54	0	0	0	0	0	\$ -	\$	-	\$	-
Canal Operator	\$	71.25		66.69	0	0	0	0	0	\$ -	\$	-	\$	-
Relief Canal Operator	\$	74.05		70.06	0	0	0	0	0	\$ -	\$	-	\$	-
Control Operator	\$	133.68	\$	141.93	0	0	0	0	0	\$ -	\$	-	\$	-
Control Operator Relief	\$	136.03		144.77	0	0	0	0	0	\$ -	\$	-	\$	-
Information Systems Asset Manager	\$	131.80	+	-	0	0	0	0	0	\$-	\$	-	\$	-
Electrical Foreman	\$	141.06		150.82	0	0	0	0	0	\$-	\$	-	\$	-
Buyer	\$	77.02		73.65	0	0	0	0	0	\$ -	\$	-	\$	-
Electrician	\$	126.30		133.04	0	0	0	0	0	\$ -	\$	-	\$	-
Engineer, Civil -Associate	\$	138.04	\$	148.67	40	1	1	40	0	\$ 5,521.60	) \$	-	\$	5,521.60
Engineer, Civil Assistant	\$	106.39	\$	110.13	0	0	0	0	0	\$ -	\$	-	\$	-
Engineer, Junior	\$	89.32	\$	88.47	0	0	0	0	0	\$ -	\$	-	\$	-
Engineer, Electrical - Associate	\$	142.51		152.58	0	0	0	0	0	\$ -	\$	-	\$	-
Engineer, Mechanical - Associate	\$	142.51	\$	152.58	0	0	0	0	0	\$ -	\$	-	\$	-
Information Technology Specialist	\$	113.59		-	0	0	0	0	0	\$ -	\$	-	\$	-
Equipment Mechanic	\$	80.62	\$	77.99	0	0	0	0	0	\$ -	\$	-	\$	-
Equipment Operator	\$	83.34	\$	81.26	40	2	1	80	0	\$ 6,667.20	) \$	-	\$	6,667.20
Foreman, O'Neill Pumping Plant	\$	141.06	\$	150.82	0	0	0	0	0	\$-	\$	-	\$	-
Hydrotech-1, (Was Meter Maint./Relief Canal Op)	\$	75.98	\$	72.39	0	0	0	0	0	\$-	\$	-	\$	-
Hydrotech-2 (Was Hydrographer)	\$	79.14	\$	76.20	0	0	0	0	0	\$-	\$	-	\$	-
Maintenance Foreman	\$	94.18	\$	94.33	0	0	0	0	0	\$-	\$	-	\$	-
Safety Engineer	\$	142.51	\$	-	0	0	0	0	0	\$-	\$	-	\$	-
Maintenance Supt., Civil	\$	103.77	\$	-	24	1	1	24	0	\$ 2,490.48		-	\$	2,490.48
Maintenance Worker	\$	78.10	\$	74.94	10	4	3	120	0	\$ 9,372.00	) \$	-	\$	9,372.00
Student Aid	\$	19.40		27.48	0	0	0	0	0	\$-	\$	-	\$	-
Maintenance Worker, Painter	\$	86.08	\$	84.57	0	0	0	0	0	\$-	\$	-	\$	-
Manager, Planning & Engineering	\$	153.99	\$	-	4	1	1	4	0	\$ 615.96	3 \$	-	\$	615.96
Manager, Operations & Maintenance	\$	159.04	\$	-	9	1	1	9	0	\$ 1,431.36	5 \$	-	\$	1,431.36
Planner, Civil Maintenance	\$	87.40		86.15	80	1	1	80	0	\$ 6,992.00	) \$	-	\$	6,992.00
Planner, Hydro-Electric Maintenance	\$	107.07	\$	109.87	0	0	0	0	0	\$-	\$	-	\$	-
Plant Mech. 2, HE	\$	126.30	\$	133.04	0	0	0	0	0	\$-	\$	-	\$	-
Plant Mech. Foreman, HE	\$	141.06		150.82	0	0	0	0	0	\$-	\$	-	\$	-
Project Coordinator	\$	93.43		93.42	40	1	1	40	0	\$ 3,737.20		-	\$	3,737.20
SCADA Engineer	\$	140.93		146.81	0	0	0	0	0	\$-	\$	-	\$	-
Water Operations Superintendent	\$	105.29		-	0	0	0	0	0	\$-	\$	-	\$	-
Operations Supervisor	\$	143.37		-	0	0	0	0	0	\$-	\$	-	\$	-
Weed Control Specialist	\$	78.94	\$	75.96	0	0	0	0	0	\$-	\$	-	\$	-
Engineer, Plant	\$	142.51	\$	152.58	0	0	0	0	0	\$-	\$		\$	-

Sum of Overtime Cost \$ Sum of Regular Time Cost \$ 36,827.80 Tot Fully Burdened Labor Cost \$ 36,827.80 Materials \$ 65,755.20 Vehicles & Equipment \$ 9,105.20 Contracto \$ 16,102,40

Contracts \$ 16,102.40

Step Total \$ 127,790.60

## San Luis & Delta-Mendota Water Authority EO&M Project Materials Cost Breakdown

Item Description	Qty	Unit	U	Unit Cost		Total Cost
3/8" Chip w/tax	860	tons	\$	29.87	\$	25,688.20
CRS-2h w/tax & freight	100	tons	\$	400.67	\$	40,067.00
					\$	-
					\$	-
					\$	-
					\$	-
					\$	-
					\$	-

<u>Materials Total:</u> \$ 65,755.20

Note: 3%/year inflation adjustment included in unit cost

# San Luis & Delta-Mendota Water Authority EO&M Project Vehicles & Equipment Cost Breakdown

Description	Qty	Unit	Unit Rate	Total
Roller Rental (w/delivery & fees) (2 rollers)	2	Daily	\$ 2,389.60	\$ 4,779.20
Sweeper Rental (w/delivery & fees)	2	Daily	\$ 2,163.00	\$ 4,326.00
				\$-
				\$-
				\$-
				\$-
				\$-
				\$-

Vehicles & Equipment Total: \$ 9,105.20

Note: 3%/year inflation adjustment included in unit rate

## San Luis & Delta-Mendota Water Authority EO&M Project Contracts Cost Breakdown

Contract Description	Cost	Total Cost		
Chip transportation	\$ 11,400	\$	11,400.00	
Chip standby time	\$ 500	\$	500.00	
CRS-2h spreading	\$ 3,543	\$	3,543.20	
Tanker standby time	\$ 659	\$	659.20	
		\$	-	
		\$	-	
		\$	-	
		\$	-	

<u>Contracts Total:</u> \$ 16,102.40

Note: 3%/year inflation adjustment included in cost

# San Luis & Delta-Mendota Water Authority Extraordinary O&M Projects

**Project Description and Justification Sheet** 

<b>Project No.:</b> C2016001	<b>Project Code:</b>	G2-2019		Priority:	B-4-b
Facility: DMC					
Project Title: DMC Road Repair	· (MP 102.04 to MP 11	0.85) Phase 1			
Estimated Total Cost: \$318,4	400.00				
<b>CONTRACT COSTS:</b> \$142,300.0	00				
IN-HOUSE COSTS: Labor: \$9	95,200.00 <i>Materia</i>	<i>ls:</i> \$70,900.00	Equipment:	\$10,000.	00
<b>Project Description and Discussion</b>	<u>ı:</u>				
Phase 1 includes the complete re	ehabilitation of the DM	C O&M road from	MP 102.04 to	o 105.03.	The
rehabilitation work will include ful	ll denth nulverizing (12	" deen) with a 2-3	% CKD treat	ment Th	<u>م</u>

rehabilitation work will include full depth pulverizing (12" deep) with a 2-3% CKD treatment. The pulverized section will be graded and properly compacted. A double chipseal surface will be installed on the rehabilitated section.

#### Justification:

The DMC O&M road downstream of Check Structure 17 is in a distressed condition due to its minimal section (multiple layers of chipseal over 6" of AB) and its use by SLDMWA maintenance equipment and the adjacent landowner farming operations. (NOTE: Some adjacent landowners have prescriptive rights to use the O&M road for their farming operation)

In FY1998, the SLDMWA performed several test sections of roadway rehabilitation methods in areas where there was subbase failure (significant alligator cracking and ruts) in the roadway. In 2012, an inspection of these rehabilitation methods was performed. The method that significantly outperformed all others was the full depth pulverizing (12" deep) with a 3% cement kiln dust (CKD) treatment method. In FY2013, staff presented the performance results of the full depth pulverizing method to the O&M Technical Committee as the recommended repair method for the deteriorated road between MP 90.54 to MP 96.61. This rehabilitation method was approved and the work was performed in FY2014. This section of roadway was inspected during the Summer of 2017 and the roadway was in excellent condition. Based on the performance of the full depth pulverizing with the CKD treatment, staff recommends this approach to be used for all areas of similar roadway subbase failure.

In addition, staff is working with local landowners and Districts to develop a plan to minimize the use of the heavy harvesting equipment on the DMC roadways.

### **Project Status:**

FY2019 Project - Awaiting approval.

# FY2019 C2016001 DMC O&M Road Repair MP 102.04 to MP 110.85

Total Fully Burdened Labor Cos	st	\$ 95,200.00
Total Materials		\$ 70,900.00
Total Vehicles & Equipment		\$ 10,000.00
Total Contracts		\$ 142,300.00
P	Project Grand Total	\$ 318,400.00

Date Proposal Completed:

8/3/2017 by Bob Martin

NOTE: Labor cost is rounded to the nearest \$100.

MP 102.04 to MP 110.85         Apprentice Control Operator       \$         Apprentice Electrician       \$         Apprentice Plant Mechanic       \$         Apprentice Maintenance Worker       \$         C&I Technician       \$         Canal Operator       \$         Canal Operator       \$         Control Operator       \$         Control Operator Relief       \$         Control Operator Relief       \$         Suyer       \$         Buyer       \$         Electrician       \$         Engineer, Civil Associate       \$         Engineer, Junior       \$         Engineer, Electrical - Associate       \$         Engineer, Mechanical - Associate       \$	w/benefits) A 121.90 107.54 107.54 107.54 107.54 129.21 71.25 74.05 133.68 136.03 131.80	\$ \$ \$ \$ \$	<b>B</b> 127.73 110.43 110.43 67.45 136.54	<b>C</b> 0 0	<b>D</b>	E	F C x D x E	G	Н	-		
Apprentice Electrician       \$         Apprentice Plant Mechanic       \$         Apprentice Maintenance Worker       \$         C&I Technician       \$         Canal Operator       \$         Control Operator       \$         Control Operator Relief       \$         If formation Systems Asset Manager       \$         Electrical Foreman       \$         Buyer       \$         Electrician       \$         Engineer, Civil -Associate       \$         Engineer, Junior       \$         Engineer, Electrical - Associate       \$	121.90 107.54 107.54 71.88 129.21 71.25 74.05 133.68 136.03	\$ \$ \$ \$ \$	127.73 110.43 110.43 67.45	0			-	G		I 1		
Apprentice Electrician       \$         Apprentice Plant Mechanic       \$         Apprentice Maintenance Worker       \$         C&I Technician       \$         Canal Operator       \$         Control Operator       \$         Control Operator Relief       \$         If formation Systems Asset Manager       \$         Electrical Foreman       \$         Buyer       \$         Electrician       \$         Engineer, Civil -Associate       \$         Engineer, Junior       \$         Engineer, Electrical - Associate       \$	107.54 107.54 71.88 129.21 71.25 74.05 133.68 136.03	\$ \$ \$ \$ \$	110.43 110.43 67.45	0	0		CxDxE	· I				J
Apprentice Electrician       \$         Apprentice Plant Mechanic       \$         Apprentice Maintenance Worker       \$         C&I Technician       \$         Canal Operator       \$         Control Operator       \$         Control Operator Relief       \$         If formation Systems Asset Manager       \$         Electrical Foreman       \$         Buyer       \$         Electrician       \$         Engineer, Civil -Associate       \$         Engineer, Junior       \$         Engineer, Electrical - Associate       \$	107.54 107.54 71.88 129.21 71.25 74.05 133.68 136.03	\$ \$ \$ \$ \$	110.43 110.43 67.45	0	0		1		=A x F	=B x G		mH+I
Apprentice Plant Mechanic \$ Apprentice Maintenance Worker \$ C&I Technician \$ Canal Operator \$ Relief Canal Operator \$ Control Operator \$ Control Operator \$ Control Operator Relief \$ Information Systems Asset Manager \$ Electrical Foreman \$ Electrician \$ Electrician \$ Electrician \$ Engineer, Civil Associate \$ Engineer, Junior \$ Engineer, Electrical - Associate \$ Engineer, Electrical - Electrical - Electrical = \$ Engineer, Electrical - Associate \$ Engineer, Electrical - Associate \$ Engineer, Electrical - Electrical = \$ Engineer, Electrical - Associate \$ Engineer, Electrical - Electrical = \$ Engineer, Electrical - Electrical = \$ Engineer, Electrical - Associate \$ Engineer, Electrical = \$ Engineer, Electrical - Electrical = \$ Engineer, Electrical = \$ Engineer, Electrical - Associate \$ Engineer, Electrical = \$ Engin	107.54 71.88 129.21 71.25 74.05 133.68 136.03	\$ \$ \$ \$	110.43 67.45	-	-	0	0		\$ -	\$ -	\$	
Apprentice Maintenance Worker \$ 2&I Technician \$ 2anal Operator \$ Relief Canal Operator \$ 2ontrol Operator \$ 2ontrol Operator \$ 2ontrol Operator Relief \$ 2ontrol Operator Relief \$ 2notrol Operator \$ 2notrol Operator Relief \$ 2notrol Operator \$ 2notrol Operator Relief \$ 2notrol Operator \$	71.88 129.21 71.25 74.05 133.68 136.03	\$ \$ \$	67.45	0	0	0	0		\$ -	\$ -	\$	-
C&I Technician       \$         Canal Operator       \$         Canal Operator       \$         Relief Canal Operator       \$         Control Operator Relief       \$         Control Operator Relief       \$         Information Systems Asset Manager       \$         Buyer       \$         Buyer       \$         Ingineer, Civil -Associate       \$         Engineer, Civil Assistant       \$         Engineer, Junior       \$         Engineer, Electrical - Associate       \$	129.21 71.25 74.05 133.68 136.03	\$ \$		-	0	0	0	-	\$ -	\$ -	\$	-
Canal Operator       \$         Relief Canal Operator       \$         Control Operator       \$         Control Operator Relief       \$         Information Systems Asset Manager       \$         Electrical Foreman       \$         Buyer       \$         Electrician       \$         Engineer, Civil -Associate       \$         Engineer, Junior       \$         Engineer, Electrical - Associate       \$	71.25 74.05 133.68 136.03	\$	136 54	0	0	0	0	-	\$ -	\$ -	\$	-
Relief Canal Operator       \$         Control Operator       \$         Control Operator Relief       \$         nformation Systems Asset Manager       \$         Electrical Foreman       \$         Buyer       \$         Electrician       \$         Engineer, Civil -Associate       \$         Engineer, Junior       \$         Engineer, Electrical - Associate       \$	74.05 133.68 136.03			0	0	0	0	-	\$ -	\$ -	\$	-
Control Operator       \$         Control Operator Relief       \$         Information Systems Asset Manager       \$         Electrical Foreman       \$         Buyer       \$         Electrician       \$         Engineer, Civil -Associate       \$         Engineer, Civil Assistant       \$         Engineer, Junior       \$         Engineer, Electrical - Associate       \$	133.68 136.03	C	66.69	0	0	0	0	-	\$-	\$ -	\$	-
Control Operator Relief       \$         nformation Systems Asset Manager       \$         Electrical Foreman       \$         Buyer       \$         Electrician       \$         Engineer, Civil -Associate       \$         Engineer, Civil Assistant       \$         Engineer, Junior       \$         Engineer, Electrical - Associate       \$	136.03		70.06	0	0	0	0	-	\$-	\$ -	\$	-
nformation Systems Asset Manager \$ Electrical Foreman \$ Buyer \$ Electrician \$ Engineer, Civil -Associate \$ Engineer, Civil Assistant \$ Engineer, Junior \$ Engineer, Electrical - Associate \$			141.93	0	0	0	0	-	\$ -	\$ -	\$	-
Electrical Foreman       \$         Buyer       \$         Electrician       \$         Engineer, Civil -Associate       \$         Engineer, Civil Assistant       \$         Engineer, Junior       \$         Engineer, Electrical - Associate       \$	131.80	+	144.77	0	0	0	0	-	\$ -	\$ -	\$	-
Buyer       \$         Electrician       \$         Engineer, Civil -Associate       \$         Engineer, Civil Assistant       \$         Engineer, Junior       \$         Engineer, Electrical - Associate       \$		+	-	0	0	0	0	-	\$-	\$ -	\$	-
Electrician       \$         Engineer, Civil -Associate       \$         Engineer, Civil Assistant       \$         Engineer, Junior       \$         Engineer, Electrical - Associate       \$	141.06	+	150.82	0	0	0	0	-	\$-	\$ -	\$	-
Engineer, Civil -Associate       \$         Engineer, Civil Assistant       \$         Engineer, Junior       \$         Engineer, Electrical - Associate       \$	77.02		73.65	0	0	0	0		\$-	\$ -	\$	-
Engineer, Civil Assistant \$ Engineer, Junior \$ Engineer, Electrical - Associate \$	126.30		133.04	0	0	0	0		\$-	\$ -	\$	-
Engineer, Junior \$ Engineer, Electrical - Associate \$	138.04		148.67	120	1	1	120	-	\$ 16,564.80	\$ -		6,564.80
Engineer, Electrical - Associate \$	106.39		110.13	0	0	0	0	-	\$-	\$ -	\$	-
	89.32		88.47	0	0	0	0		\$-	\$ -	\$	-
Engineer, Mechanical - Associate \$	142.51		152.58	0	0	0	0		\$-	\$ -	\$	-
	142.51		152.58	0	0	0	0		\$-	\$ -	\$	-
nformation Technology Specialist \$	113.59		-	0	0	0	0		\$-	\$ -	\$	-
Equipment Mechanic \$	80.62		77.99	0	0	0	0	-	\$-	\$ -	\$	-
Equipment Operator \$	83.34	+	81.26	120	2	1	240	0	\$ 20,001.60	\$ -	\$ 20	0,001.60
Foreman, O'Neill Pumping Plant \$	141.06		150.82	0	0	0	0	-	\$-	\$ -	\$	-
Hydrotech-1, (Was Meter Maint./Relief Canal Op) \$	75.98	Ŧ	72.39	0	0	0	0	-	\$-	\$ -	\$	-
Hydrotech-2 (Was Hydrographer) \$	79.14	\$	76.20	0	0	0	0	-	\$-	\$ -	\$	-
Maintenance Foreman \$	94.18	\$	94.33	0	0	0	0	-	\$-	\$ -	\$	-
Safety Engineer \$	142.51		-	0	0	0	0		\$-	\$ -	\$	-
Maintenance Supt., Civil \$	103.77		-	40	1	1	40		\$ 4,150.80	\$ -		1,150.80
Maintenance Worker \$	78.10		74.94	120	4	1	480		\$ 37,488.00	-		7,488.00
Student Aid \$	19.40		27.48	0	0	0	0		\$-	\$ -	\$	-
Maintenance Worker, Painter \$	86.08		84.57	0	0	0	0	0	\$-	\$ -	\$	-
Manager, Planning & Engineering \$	153.99		-	9	1	1	9	0	\$ 1,385.91	\$ -	\$ 1	,385.91
Manager, Operations & Maintenance \$	159.04		-	9	1	1	9		\$ 1,431.36	\$ -	\$ 1	,431.36
Planner, Civil Maintenance \$	87.40	\$	86.15	120	1	1	120	0	\$ 10,488.00	\$ -	\$ 10	),488.00
Planner, Hydro-Electric Maintenance \$	107.07	\$	109.87	0	0	0	0	0	\$-	\$ -	\$	-
Plant Mech. 2, HE \$	126.30	\$	133.04	0	0	0	0	0	\$-	\$ -	\$	-
Plant Mech. Foreman, HE \$	141.06	\$	150.82	0	0	0	0	0	\$-	\$ -	\$	-
Project Coordinator \$	93.43	\$	93.42	40	1	1	40	0	\$ 3,737.20	\$ -	\$ 3	3,737.20
SCADA Engineer \$	140.93		146.81	0	0	0	0	0	\$-	\$ -	\$	-
Water Operations Superintendent \$	105.29	\$	-	0	0	0	0	0	\$ -	\$ -	\$	-
Operations Supervisor \$	143.37	\$	-	0	0	0	0	0	\$ -	\$ -	\$	-
Weed Control Specialist \$	78.94	\$	75.96	0	^							
Engineer, Plant \$	142.51		10.00	0	0	0	0	0	\$ -	\$ -	\$	-

Sum of Overtime Cost\$Sum of Regular Time Cost\$95,247.67

 Sum of Regular Time Cost
 \$ 35,247.67

 Tot Fully Burdened Labor Cost
 \$ 95,247.67

 Materials
 \$ 70,905.72

 Vehicles & Equipment
 \$ 10,000.00

 Contracts
 \$ 142,282.00

Step Total \$ 318,435.39

## San Luis & Delta-Mendota Water Authority EO&M Project Materials Cost Breakdown

Item Description	Qty	Unit	Unit Cost	Total Cost		
Misc Materials	1	LS	\$ 1,000.00	\$	1,000.00	
Class 2 AB	5825	Ton	\$ 12.00	\$	69,905.72	
				\$	-	
				\$	-	
				\$	-	
				\$	-	
				\$	-	
				\$	-	

<u>Materials Total:</u> \$ 70,905.72

Note: 3%/year inflation adjustment included in unit cost

# San Luis & Delta-Mendota Water Authority EO&M Project Vehicles & Equipment Cost Breakdown

Description	Qty	Unit	Unit Rate	Total
84" Vibratory Steel Drum Compactor	2	Мо	\$ 5,000.00	\$ 10,000.00
				\$-
				\$-
				\$-
				\$-
				\$-
				\$-
				\$-

Vehicles & Equipment Total: \$ 10,000.00

Note: 3%/year inflation adjustment included in unit rate

## San Luis & Delta-Mendota Water Authority EO&M Project Contracts Cost Breakdown

Contract Description	Cost	Total Cost			
Pulverize & Cement Treatment Contract	\$ 76,032	\$	76,032.00		
AB Trucking Contract	\$ 66,250	\$	66,250.00		
		\$	-		
		\$	-		
		\$	-		
		\$	-		
		\$	-		
		\$	-		

<u>Contracts Total:</u> \$ 142,282.00

Note: 3%/year inflation adjustment included in cost

# San Luis & Delta-Mendota Water Authority Extraordinary O&M Projects

**Project Description and Justification Sheet** 

Project No.: M20120	02	Project	Code:	E7-2	2019		Priority:	С-5-с
Facility: DMC								
Project Title: DMC T	urnout Flo	w Measureme	ent - MP 7	6.0	5			
Estimated Total Cost:	\$107	7,800.00						
CONTRACT COSTS:	\$75,000.	00						
IN-HOUSE COSTS:	Labor:	\$27,800.00	Materia	ıls:	\$5,000.00	Equipment:	\$0.00	
Project Description and					_			
CONTRACT COSTS: IN-HOUSE COSTS:	\$75,000. <i>Labor:</i> \$ <u>{ Scope:</u>	00 \$27,800.00					·	the

As part of the DMC Turnout Flow Measurement improvements Program, it was determined that the turnout at MP 76.05-L has reliability issues. The purpose of this project is to determine the root cause of the reliability issues and work with the turnout user to resolve the problem. The cost for the project includes SLDMWA labor and materials with a \$75,000 placeholder for turnout/flowmeter modifications. (If applicable, this project will be submitted for a WaterSmart Grant which could reduce the overall cost of the project) The SLDMWA share will be the installation labor/equipment/materials cost and the grant share will be the cost of the flow meters and accessories.

### **Project Purpose and Background:**

The purpose of this project is to improve the DMC turnout flow measurement accuracy on the low flow & high flow turnouts where we are experiencing flow measurement reliability issues. We anticipate the availability of grant funding in the near future and the first phase of the program is to develop the flow measurement improvement strategy that will be used when submitting the grant applications for the flow metering improvements.

### Project Status:

FY2019 Project - Awaiting approval/funding

# FY2019 M2012002 DMC Turnout Flow Measurement Improvements

Total Fully Burdened Labor Cost		\$ 27,800.00
Total Materials		\$ 5,000.00
Total Vehicles & Equipment		\$ -
Total Contracts		\$ 75,000.00
Pr	oject Grand Total	\$ 107,800.00

Date Proposal Completed:

8/3/2017 by Bob Martin

NOTE: Labor cost is rounded to the nearest \$100.

FY2019 M2012002 DMC Turnout Flow Measurement Improvements	Product (currei rat	Fully Burdened ion Hourly Rate nt highest total e per craft /benefits)	FY19 Fully Burd OT Rate (inclue PR tax & W/Cor	des No. Of	No. In Craft	No. Per Phase	Total Regular Hours	Total Overtime Hours	Regular Direct Labor	Overtime La	bor	Total Labor Cost
		Α	В	С	D	E	F	G	Н	I		J
							CxDxE		=A x F	=B x G		= sum H + I
Apprentice Control Operator	\$	121.90	\$ 127	.73 0	0	0	0	0	\$-	\$		\$ -
Apprentice Electrician	\$	107.54	\$ 110.	.43 0	0	0	0	0	\$ -	\$	-	\$ -
Apprentice Plant Mechanic	\$	107.54	\$ 110.	.43 0	0	0	0	0	\$ -	\$	-	\$ -
Apprentice Maintenance Worker	\$	71.88		.45 0	0	0	0	0	\$ -	\$	-	\$ -
C&I Technician	\$	129.21	\$ 136	.54 40	1	1	40	0	\$ 5,168.40	\$	-	\$ 5,168.40
Canal Operator	\$	71.25	\$ 66	.69 0	0	0	0	0	\$ -	\$	-	\$ -
Relief Canal Operator	\$	74.05		.06 0	0	0	0	0	\$-	\$	-	\$-
Control Operator	\$	133.68	\$ 141.	.93 0	0	0	0	0	\$-	\$	-	\$-
Control Operator Relief	\$	136.03	\$ 144.	.77 0	0	0	0	0	\$-	\$	-	\$-
Information Systems Asset Manager	\$	131.80	\$.	- 0	0	0	0	0	\$-	\$	-	\$ -
Electrical Foreman	\$	141.06	\$ 150	.82 0	0	0	0	0	\$-	\$	-	\$ -
Buyer	\$	77.02	\$ 73	.65 0	0	0	0	0	\$-	\$	-	\$-
Electrician	\$	126.30	\$ 133	.04 0	0	0	0	0	\$-	\$	-	\$-
Engineer, Civil -Associate	\$	138.04	\$ 148	.67 40	1	1	40	0	\$ 5,521.60	\$	-	\$ 5,521.60
Engineer, Civil Assistant	\$	106.39		.13 0	0	0	0	0	\$-	\$	-	\$-
Engineer, Junior	\$	89.32	\$ 88	.47 0	0	0	0	0	\$	\$	-	\$-
Engineer, Electrical - Associate	\$	142.51		.58 0	0	0	0	0	\$	\$	-	\$-
Engineer, Mechanical - Associate	\$	142.51	\$ 152.	.58 0	0	0	0	0	\$	\$	-	\$-
Information Technology Specialist	\$	113.59	\$	- 0	0	0	0	0	\$	\$	-	\$-
Equipment Mechanic	\$	80.62			0	0	0	0	\$-	\$	-	\$-
Equipment Operator	\$	83.34		.26 0	0	0	0	0	\$-	\$	-	\$-
Foreman, O'Neill Pumping Plant	\$	141.06			0	0	0	0	\$-	\$		\$-
Hydrotech-1, (Was Meter Maint./Relief Canal Op)	\$	75.98		.39 0	0	0	0	0	\$-	\$		\$-
Hydrotech-2 (Was Hydrographer)	\$	79.14		.20 0	0	0	0	0	\$-	\$		\$-
Maintenance Foreman	\$	94.18		.33 0	0	0	0	0	\$-	\$		\$-
Safety Engineer	\$	142.51		0	0	0	0	0	\$-	\$		\$-
Maintenance Supt., Civil	\$	103.77		- 0	0	0	0	0	\$-	\$		\$-
Maintenance Worker	\$	78.10			0	0	0	0	\$-	\$		\$-
Student Aid	\$	19.40			0	0	0	0	\$-	\$		\$-
Maintenance Worker, Painter	\$	86.08			0	0	0	0	\$ -	\$		\$ -
Manager, Planning & Engineering	\$	153.99		- 16	1	1	16	0	\$ 2,463.84	\$		\$ 2,463.84
Manager, Operations & Maintenance	\$	159.04		- 16	1	1	16	0	\$ 2,544.64	\$		\$ 2,544.64
Planner, Civil Maintenance	\$	87.40	+		0	0	0	0	\$ -	\$		\$ -
Planner, Hydro-Electric Maintenance	\$	107.07			0	0	0	0	\$-	\$		<del>\$</del> -
Plant Mech. 2, HE	\$	126.30			0	0	0	0	\$ -	\$		\$ -
Plant Mech. Foreman, HE	\$	141.06			0	0	0	0	\$-	\$		<u>\$</u> -
Project Coordinator	\$	93.43			0	0	0	0	\$-	\$		\$-
SCADA Engineer	\$	140.93			1	1	40	0	\$ 5,637.20			\$ 5,637.20
Water Operations Superintendent	\$	105.29		- 40	1	1	40	0	\$ 4,211.60			\$ 4,211.60
Operations Supervisor	\$	143.37		· 16	1	1	16	0		\$		\$ 2,293.92
Weed Control Specialist	\$	78.94			0	0	0	0	\$-	\$		<u>\$</u> -
Engineer, Plant	\$	142.51	\$ 152	.58 0	0	0	0 208	0	\$-	\$ f Overtime		<u>\$-</u> \$-

Sum of Regular Time Cost \$ 27,841.20 Sum of Regular Time Cost \$ 27,841.20 Tot Fully Burdened Labor Cost \$ 27,841.20 Materials \$ 5,000.00 Vehicles & Equipment \$ -Contracts \$ 75,000.00 Step Total \$ 107,841.20

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## San Luis & Delta-Mendota Water Authority EO&M Project Materials Cost Breakdown

Item Description	Qty	Unit	Unit Cost	T	otal Cost
Misc. Parts & Materials	1	LS	\$ 5,000.00	\$	5,000.00
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-

Materials Total: \$ 5,000.00

Note: 3%/year inflation adjustment included in unit cost

## San Luis & Delta-Mendota Water Authority EO&M Project Contracts Cost Breakdown

Contract Description	Cost	Total Cost		
Flowmeter Modification Contract SLDMWA Share	\$ 75,000	\$	75,000.00	
		\$	-	
		\$	-	
		\$	-	
		\$	-	
		\$	-	
		\$	-	
		\$	-	

<u>Contracts Total:</u> \$ 75,000.00

Note: 3%/year inflation adjustment included in cost

# San Luis & Delta-Mendota Water Authority Extraordinary O&M Projects

**Project Description and Justification Sheet** 

<b>Project No.:</b> C2009007	Project	Code: G5-	2019		Priority:	С-5-с
Facility: DMC						
Project Title: Lower DMC	Check Structure S	toplog & Gui	de Replaceme	nt		
Estimated Total Cost:	\$319,700.00					
CONTRACT COSTS: \$27	′5,000.00					
IN-HOUSE COSTS: La	<i>bor:</i> \$43,700.00	Materials:	\$1,000.00	Equipment:	\$0.00	
<u>Project Description and Sco</u> This project will include th		acement of t	ne deteriorated	stoplog guid	es at six (	6)

check structures in the lower DMC area. Check structures numbers 14, 16, 17, 18, 19, and 20 will be replaced as part of this project. The fabrication of the stoplogs and stoplog guides will be contracted out and then dive services will be contracted to install the guides.

### **Project Purpose and Background:**

Similar to the Upper DMC Check Structures, the stoplog guides have deteriorated to a point where replacement is required. With the addition of the new stoplog guides installed on the Upper DMC, our Operations Department has noticed a vast improvement in their control of the canal and will have even greater control once the Lower DMC is completed.

<u>Project Status:</u>

Awaiting approval/funding

# FY2019 C2009007 DMC - Check Structure Stoplog & Guide Replacement (Checks 14-20)

Total Fully Burdened Labor Cost		\$ 43,700.00
Total Materials		\$ 1,000.00
Total Vehicles & Equipment		\$ -
Total Contracts		\$ 275,000.00
Pro	oject Grand Total	\$ 319,700.00

Date Proposal Completed:

8/3/2017 by Bob Martin

NOTE: Labor cost is rounded to the nearest \$100.

FY2019 C2009007 DMC - Check Structure Stoplog & Guide Replacement (Checks 14-20)	Product (currer rat	Fully Burdened ion Hourly Rate nt highest total e per craft /benefits)	FY19 Fully Burdened OT Rate (includes PR tax & W/Comp)	No. Of Hours	No. In Craft	No. Per Phase	Total Regular Hours	Total Overtime Hours	Regular Direct Labor	Overtime	e Labor	Tota	al Labor Cost
		Α	В	С	D	E	F	G	Н	I			J
							CxDxE		=A x F	=B :	x G	= 5	sum H + I
Apprentice Control Operator	\$	121.90	\$ 127.73	0	0	0	0	0	\$-	\$	-	\$	-
Apprentice Electrician	\$	107.54	\$ 110.43	0	0	0	0	0	\$-	\$	-	\$	-
Apprentice Plant Mechanic	\$	107.54	\$ 110.43	0	0	0	0	0	\$-	\$	-	\$	-
Apprentice Maintenance Worker	\$	71.88	\$ 67.45	0	0	0	0	0	\$-	\$	-	\$	-
C&I Technician	\$	129.21	\$ 136.54	0	0	0	0	0	\$-	\$	-	\$	-
Canal Operator	\$	71.25	\$ 66.69	0	0	0	0	0	\$-	\$	-	\$	-
Relief Canal Operator	\$	74.05	\$ 70.06	0	0	0	0	0	\$-	\$	-	\$	-
Control Operator	\$	133.68	\$ 141.93	0	0	0	0	0	\$-	\$	-	\$	-
Control Operator Relief	\$	136.03	\$ 144.77	0	0	0	0	0	\$-	\$	-	\$	-
Information Systems Asset Manager	\$	131.80	\$-	0	0	0	0	0	\$-	\$	-	\$	-
Electrical Foreman	\$	141.06	\$ 150.82	0	0	0	0	0	\$-	\$	-	\$	-
Buyer	\$	77.02	\$ 73.65	0	0	0	0	0	\$-	\$	-	\$	-
Electrician	\$	126.30	\$ 133.04	0	0	0	0	0	\$-	\$	-	\$	-
Engineer, Civil -Associate	\$	138.04	\$ 148.67	80	1	1	80	0	\$ 11,043.20	\$	-	\$	11,043.20
Engineer, Civil Assistant	\$	106.39	\$ 110.13	0	0	0	0	0	\$-	\$	-	\$	-
Engineer, Junior	\$	89.32	\$ 88.47	0	0	0	0	0	\$-	\$	-	\$	-
Engineer, Electrical - Associate	\$	142.51	\$ 152.58	0	0	0	0	0	\$-	\$	-	\$	-
Engineer, Mechanical - Associate	\$	142.51	\$ 152.58	0	0	0	0	0	\$-	\$	-	\$	-
Information Technology Specialist	\$	113.59	\$-	0	0	0	0	0	\$-	\$	-	\$	-
Equipment Mechanic	\$	80.62	\$ 77.99	0	0	0	0	0	\$-	\$	-	\$	-
Equipment Operator	\$	83.34	\$ 81.26	18	1	6	108	0	\$ 9,000.72	\$	-	\$	9,000.72
Foreman, O'Neill Pumping Plant	\$	141.06	\$ 150.82	0	0	0	0	0	\$-	\$	-	\$	-
Hydrotech-1, (Was Meter Maint./Relief Canal Op)	\$	75.98	\$ 72.39	0	0	0	0	0	\$-	\$	-	\$	-
Hydrotech-2 (Was Hydrographer)	\$	79.14	\$ 76.20	0	0	0	0	0	\$-	\$	-	\$	-
Maintenance Foreman	\$	94.18		4	1	6	24	0	\$ 2,260.32	\$	-	\$	2,260.32
Safety Engineer	\$	142.51	\$-	10	1	1	10	0	\$ 1,425.10	\$	-	\$	1,425.10
Maintenance Supt., Civil	\$	103.77	\$-	0	0	0	0	0	\$-	\$	-	\$	-
Maintenance Worker	\$	78.10		18	2	6	216	0	\$ 16,869.60	\$	-	\$	16,869.60
Student Aid	\$	19.40	\$ 27.48	0	0	0	0	0	\$-	\$	-	\$	-
Maintenance Worker, Painter	\$	86.08	\$ 84.57	0	0	0	0	0	\$-	\$	-	\$	-
Manager, Planning & Engineering	\$	153.99	\$-	10	1	1	10	0	\$ 1,539.90	\$	-	\$	1,539.90
Manager, Operations & Maintenance	\$	159.04	\$-	10	1	1	10	0		\$	-	\$	1,590.40
Planner, Civil Maintenance	\$	87.40		0	0	0	0	0	\$-	\$	-	\$	-
Planner, Hydro-Electric Maintenance	\$	107.07	\$ 109.87	0	0	0	0	0	\$-	\$	-	\$	-
Plant Mech. 2, HE	\$	126.30		0	0	0	0	0	\$-	\$	-	\$	-
Plant Mech. Foreman, HE	\$	141.06		0	0	0	0	0	\$-	\$	-	\$	-
Project Coordinator	\$	93.43	+	0	0	0	0	0	\$-	\$	-	\$	-
SCADA Engineer	\$	140.93		0	0	0	0	0	\$-	\$	-	\$	-
Water Operations Superintendent	\$	105.29		0	0	0	0	0	\$-	\$	-	\$	-
Operations Supervisor	\$	143.37		0	0	0	0	0	\$-	\$	-	\$	-
Weed Control Specialist	\$	78.94		0	0	0	0	0	\$-	\$	-	\$	-
Engineer, Plant	\$	142.51	\$ 152.58	0	0	0	0	0	\$-	\$	-	\$	-

Sum of Regular Time Cost \$ 43,729.24 Tot Fully Burdened Labor Cost \$ 43,729.24 Materials \$ 1,000.00

 Vehicles & Equipment

 Contracts
 \$ 275,000.00

 Step Total
 \$ 319,729.24

## San Luis & Delta-Mendota Water Authority EO&M Project Materials Cost Breakdown

Item Description	Qty	Unit	Unit Cost	Т	Total Cost		
Misc. Parts & Materials	1	LS	\$ 1,000.00	\$	1,000.00		
				\$	-		
				\$	-		
				\$	-		
				\$	-		
				\$	-		
				\$	-		
				\$	-		

Materials Total: \$ 1,000.00

Note: 3%/year inflation adjustment included in unit cost

## San Luis & Delta-Mendota Water Authority EO&M Project Contracts Cost Breakdown

Contract Description	Cost	Total Cost
Dive Services Contract (6 structures)	\$ 275,000	\$ 275,000.00
		\$ -

<u>Contracts Total:</u> \$ 275,000.00

Note: 3%/year inflation adjustment included in cost

# San Luis & Delta-Mendota Water Authority Extraordinary O&M Projects

Project Description and Justification SheetProject No.:V1999001Project Code:D2-2019Priority:B-5-bFacility:VEHProject Title:Heavy Equipment Replacement Program (Reserve Fund)Estimated Total Cost:\$549,000.00CONTRACT COSTS:\$549,000.00IN-HOUSE COSTS:Labor:\$0.00Materials:\$0.00Equipment:\$0.00

The San Luis & Delta-Mendota Water Authority equipment will be replaced or considered for replacement when the equipment is no longer economical to operate and/or maintain. The purpose of this Reserve Project is to set-aside funding annually for replacement of the Authority critical heavy equipment. The Equipment Replacement Plan will be presented for approval each year.

### **Project Purpose and Background:**

The San Luis & Delta-Mendota Water Authority Equipment Replacement Plan objective is to provide safe and efficient equipment in a manner which maximizes the equipments utilization for the Authority.

Project Status:

See attached Heavy Equipment Replacement 10 Year Plan.

#### San Luis & Delta-Mendota Water Authority Heavy Truck/Equipment Replacement for Specific Reserve Account Nos. 5544 & 5547

			ted	Authority	Forecasted	EQUIPMENT															
Equip	Equipment	RESP	YEAR	Service	Replacement	REPLACEMENT		2019	2020	2021	2022	2023	202	4		2025	2026	20	27	2	028
#	Equipmont	OFC	R R R	Life	Year	COST(FY18\$)		2010	2020	2021		2020		•		2020				-	520
8048	Spray Truck (1 Ton)	LBFO	2008	10	2018		\$	135,000													
	Forklift (4K lb Capacity) WHSE (Electric)	TFO	1984 √	30	2019	\$38,000	\$														
	2 Ton Service Truck with 2 Ton Hoist	JPP	2000	15	2019	\$64,000	\$														
-	Case 7110 Tractor	LBFO	1990 √	20	2019	\$151,500	•	151,500													
	Forklift (4K lb Capacity) SB&Pnt (LPG)	TFO	1991 √	30	2019	\$29,500	\$														
	Lowboy Trailer	TFO	1979	20	2019	\$115,000	•	115,000													
	Case MX 150 Tractor	TFO	1999 🗸	20	2020	\$151,500			\$ 151,500												
	Dozer (w/rippers)	LBFO	1976 🗸	40	2020	\$300,000															
	200 kW Emergency Generator - Skid Mounted	TFO	1999 🗸	40	2020	\$150,000			\$150,000												
	10" Pump	LBFO	1966 🗸	40	2020	\$60,000			\$60,000												
	Long Reach Excavator	LBFO		20	2020	\$340,000			\$ 340,000												
662	Forklift (5K lb Capacity) ONP SHOP (DSL)	ONP	1988 🗸	30	2021	\$31,000				\$ 31,000											
8045	Genie Man Lift (Electric)	TFO	1998	20	2021	\$40,700				\$ 40,700											
664	Forklift (4K lb Capacity) JPP (LPG)	ONP	1989 🗸	30	2021	\$29,500				\$ 29,500											
666	Forklift (4K lb Capacity) Pigeon Roost (LPG)	ONP	1989 🗸	30	2021	\$29,000				\$ 29,000											
2630	Dump Truck	LBFO	2000 🗸	20	2021	\$150,000				\$ 150,000											
2633	Spray Truck (2.5 Ton)	LBFO	2000 🗸	20	2021	\$160,000				\$ 160,000											
2612	Grader (John Deere)	LBFO	1993 🗸	30	2022	\$320,000					\$ 320,000										
2613	Grader (John Deere)	TFO	1993 🗸	30	2023	\$320,000						\$ 320,000									
2648	Front End Loader	LBFO	1993 🗸	30	2024	\$152,800							\$ 1	52,800							
8058	Truck/Tractor	LBFO	2008 🗸	15	2024	\$125,000							\$ 1	25,000							
8001	20-Ton P&H Omega RT Crane	LBFO	1988 🗸	30	2025	\$300,000									\$	300,000					
2627	Bottom Belly Dump Trailer	LBFO	1996	30	2026	\$26,000											\$ 26,000				
8057	JLG Man Lift	TFO	2008	20	2028	\$12,500														\$	12,500
8068	Boom Truck (26 Ton Capacity)	TFO	2009 🗸	20	2029	\$215,000															
8072	12' Heavy Duty Disc	TFO	2011	20	2031	\$23,000															
8082	Dump Truck	TFO	2011 🗸	20	2031	\$135,000															
8083	Truck/Tractor (replaced 2632)	ALL	2012 🗸	20	2032	\$125,000															
8094	Boom Truck (replaced 2609)	LBFO	2012 🗸	20	2032	\$215,000															
8090	Compact Tracked Loader	TFO	2013 🗸	20	2033	\$60,000															
8099	Water Truck	TFO	2013 🗸	20	2033	\$152,000															
8100	Dump Truck	LBFO	2013 🗸	20	2033	\$140,000															
8112	Backhoe	LBFO	2016 🗸	20	2036	\$128,700															
8113	Backhoe	TFO	2016 🗸	20	2036	\$128,700															
8112	Backhoe	LBFO	2016 🗸	20	2036	\$125,000															
8113	Backhoe	TFO	2016 🗸	20	2036	\$125,000															
8050	Lowboy Trailer	LBFO	2007	30	2037	\$115,000															
8052	Flatbed Tilt Trailer	TFO	2007	30	2037	\$28,900															
8126	Water Truck	LBFO	2017 🗸	20	2037	\$152,000															
8125	Excavator	ALL	2017 🗸	20	2037	\$300,000															
8065	Forklift (2.5 Ton Capacity) (LPG)	TFO	2009 🗸	30	2039	\$28,500															
8078	Flatbed Tilt Trailer	LBFO	2011	30	2041	\$28,900															
8079	Forklift (4000 Lb Capacity) LBFO SHOP (LPG)	LBFO	2011 🗸	30	2041	\$31,500															
8095	Forklift (4K lb Capacity) JPP (Electric)	TPP	2013	30	2043	\$33,000															
8096	Forklift (7.5 Ton Capacity) TFO YARD (LPG)	TFO	2013 🗸	30	2043	\$50,000															
8097	Forklift (10K lb Capacity) LBFO YARD (LPG)	LBFO	2013 🗸	30	2043	\$50,000															
8109	12' Heavy Duty Disc	LBFO	2016	30	2046	\$29,000															
						Total	\$	533,000	\$ 701,500	\$ 440,200	\$ 320,000	\$ 320,000		77,800	\$	300,000	\$ 26,000		-	\$	12,500
√-Em	issions regulated by California Air Resources Boa	ard (Off F	Road has b	oold font)	# of Ed	quipment Replaced		6	4	6	1	1	2			1	1	(	)		1
	- Currently CARB Compliant				3% Inflati	on Factor per Year	\$	15,990	\$ 42,721	\$ 40,818	\$ 40,163	\$ 50,968	\$	53,908	\$	68,962	\$ 6,936	\$	-	\$	4,299
						Yearly Total	\$	549,000	\$ 744,200	\$ 481,000	\$ 360,200	\$ 371,000	\$ 3	31,700	\$	369,000	\$ 32,900	\$	-	\$	16,800
L	1						<u> </u>	, -				, -			<u> </u>	, -				¢ • •	
NOTE	Equipment cost rounded to the nearest \$100.																	Grand	lotal	<b>⊅</b> 3,⊿	255,800

1 TON SPRAY TRUCK

#### ESTIMATE COST: \$135,000

<b>EXISTING EQUIPMENT INFORMATION</b>									
<b>VEHICLE NO:</b> 8048	<b>YEAR:</b> 2008	AGE (YRS.): 10							
MAKE: Ford	MODEL: F350								
DEPARTMENT: Maintenance	MAINTENANO	CE YARD: LBFO							
CURRENT MILES: 157,400	PROJECTED HOURS WHEN	<b>REPLACED:</b> 165,000							
MECHANICS RATING OF VEHICLE:	POOR: FAIR:	<b>X</b> GOOD:							
DESCRIPTION AND JUSTIFICATION									
<b>DESCRIPTION OF EQUIPMENT USE WITHIN THE AUTHORITY:</b> The 1 Ton Spray Truck is used in much of the routine weed control work of the DMC and associated facilities.									

This piece of equipment is used approximately 11,000 miles per year.

### REASON (S) FOR REPLACEMENT:

This spray truck will have over 150,000 miles on it at the time of replacement. Our policy is to schedule replacement of field vehicles for 150,000 miles or 15 years. An extremely reliable 1 ton spray truck is necessary to ensure for weed control of the DMC.

The spray system of this truck is 18 years old (this is the 2<sup>nd</sup> truck it has been used on). The parts of the system are deteriorating and an entire replacement system is needed to ensure reliability.

### 4,000 LB ELECTRIC FORKLIFT

#### ESTIMATE COST: \$38,000

EXISTING EQUIPMENT INFORMATION				
VEHICLE NO: 660	YEAR:	1984		AGE (YRS.): 33
MAKE: Yale	MODEL:	4,000 Lb. E	Electric	
DEPARTMENT: Warehouse		MAIN	TENANCE YA	RD: TFO
CURRENT MILES: 3,949 Hr	PROJEC	CTED HOURS	WHEN REPL	<b>ACED:</b> 4,000
MECHANICS RATING OF VEHICLE:	POOR:	X	FAIR:	GOOD:
<b>DESCRIPTION AND JUSTIFICATION</b>				
DESCRIPTION OF EQUIPMENT USE WI This forklift is used for material handling at REASON (S) FOR REPLACEMENT: This forklift is at its end of life. It is experied due for replacement (\$8,000). It was acquic could use for it.	t the Tracy	Warehouse.	electrical cont	

SERVICE TRUCK		ESTIMATE COST: \$64,000
EXISTING EQUIPMENT INFORMATION		
VEHICLE NO: 2592	<b>YEAR:</b> 2000	AGE (YRS.): 18
MAKE: Ford	MODEL: F-550	
DEPARTMENT: Jones Pumping Plant	Machine Shop MAINTENA	ANCE YARD: TFO
CURRENT MILES: 48,900	PROJECTED MILES WHE	<b>N REPLACED:</b> 55,000
MECHANICS RATING OF VEHICLE:	POOR: X FAIF	R: GOOD:
DESCRIPTION AND JUSTIFICATION		
DESCRIPTION OF EQUIPMENT USE WI	THIN THE AUTHORITY:	
This is a 2 Ton service truck with a 2 ton c It is used for various projects and field wor		
REASON (S) FOR REPLACEMENT: This vehicle is 18 years old, the WA scheo experiencing emission problems, neither the light off. The steering vibrates excessively can isolate the reason for this. The transmission	he mechanic nor the Ford dea / at highway speed, neither ou	aler can keep the check engine

# AGRICULTURAL TRACTOR ESTIMATE COST: \$151,500 **EXISTING EQUIPMENT INFORMATION VEHICLE NO: 2623 YEAR:** 1990 AGE (YRS.): 28 MAKE: Case **MODEL:** 7110 **DEPARTMENT:** Civil Maintenance MAINTENANCE YARD: LBFO **CURRENT MILES:** 7,954 **PROJECTED HOURS WHEN REPLACED:** 8,200 **MECHANICS RATING OF VEHICLE:** POOR: FAIR: X GOOD: **DESCRIPTION AND JUSTIFICATION DESCRIPTION OF EQUIPMENT USE WITHIN THE AUTHORITY:** This tractor is used for disking and other earth work in support of work along the DMC and other WA Facilities **REASON (S) FOR REPLACEMENT:** In order to meet CARB emission standards the WA needs to replace this vehicle

4,000 LB FORKLIFT ESTIMATE COST: \$29,500 **EXISTING EQUIPMENT INFORMATION VEHICLE NO:** 8018 YEAR: 1991 AGE (YRS.): 27 4,000 Lb. LPG MAKE: Hyster MODEL: DEPARTMENT: Sandblast and Paint Building MAINTENANCE YARD: TFO 7,000 **CURRENT MILES:** 6,850 Hr **PROJECTED HOURS WHEN REPLACED: MECHANICS RATING OF VEHICLE:** POOR: X FAIR: GOOD: **DESCRIPTION AND JUSTIFICATION DESCRIPTION OF EQUIPMENT USE WITHIN THE AUTHORITY:** This forklift is used for material handling at the Sand Blast and Paint Shop. It is used for moving projects during production at the shop as long as other routine handling jobs around the compound **REASON (S) FOR REPLACEMENT:** This forklift had to be removed from service because it was no longer viable to repair. Other forklifts have been used to fill in until a replacement can be purchased

LOW BOY TRAILER

ESTIMATE COST: \$115,000

## San Luis & Delta-Mendota Water Authority Extraordinary O&M Projects Project Description and Justification Sheet

<b>Project No.:</b> V1999002	Proje	ect Code: D1-	2019	Pr	iority:	В-6-с
Facility: VEH						
Project Title: Vehicle Re	placement (Rese	erve Fund)				
Estimated Total Cost:	\$242,600.00					
CONTRACT COSTS: \$24	42,600.00					
IN-HOUSE COSTS: La	<i>abor:</i> \$0.00	Materials:	\$0.00	Equipment: \$	0.00	
Project Description and Sc	one:					

The San Luis & Delta-Mendota Water Authority vehicles will be replaced or considered for replacement when the criteria for the Authority Vehicle Replacement Policy has been met. The purpose of this Reserve Project is to set-aside funding annually for replacement of the Authority vehicles. The Authority Vehicle Replacement Plan will be presented for approval each year.

### **Project Purpose and Background:**

The San Luis & Delta-Mendota Water Authority Vehicle Replacement Policy objective is to provide safe and efficient operating vehicles in a manner which maximizes the vehicles utilization for the Authority.

### Project Status:

See attached Vehicle Replacement 10 Year Plan.

# San Luis & Delta-Mendota Water Authority Vehicle Replacement 10 Year Plan FY2019 Frontline Vehicles

			Α		в	С	D			Е											
Veh No.	FRONT LINE VEHICLE DESCRIPTION	Vehicle User	, Model Year	Assigned To:	Est. MILEAGE ON 3/1/2018	Average Miles Per Year	Calculated Years to Replacement (150K or 15 yrs) <sup>1,2</sup>	Calculated FY for Replacement (Mileage or Age)	Est. Mileage at Replacement	Proposed FY for Replacement	Estimated Replacement Cost (FY2016\$)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
				Current Calendar Year (CCY) =	2018	B÷ (CCY - A)	(150K-B) ÷ C or 15 yrs	Current FY+D or	B + (E-Current FY) x C	To be reviewed each year	To be updated each year										
8067	Full Size Sedan <sup>1</sup>	J. Peltier	2010	Executive Director	104,810	13,101	-3	<u>A + 15 yrs</u> 2015	104,810	2019	37,000	37,000							37,000		<u> </u>
	3/4 Ton Pickup w/Utility Body (Spray Truck)	CMLB		LBFO Civil Maint.	161,524	11,537	-3	2013	161,524	2019	34,000	34,000							37,000		<u> </u>
	$1/2$ Ton Ext Cab $4X4^2$	P. Nacci		LBFO Canal Operations	172,661	34,532	0	2018	172,661	2019	30,500	30,500							30,500		<u> </u>
	1/2 Ton Pickup	C. Lee		Watermaster	134,127	22,355	1	2018	134,127	2019	24,000	24,000							30,300		
8036	1 Ton Pickup w/Utility Body - Diesel	CMT	2012		154,404	12,867	-1	2013	154,404	2019	55,000	55,000									
8049	1 Ton Pickup w/Utility Body - Diesel	CMLB		LBFO Civil Maint.	159,049	15,905	-1	2017	159,049	2019	55,000	55,000									
8077	1/2 Ton Pickup	A. Garcia		Civil Engineer	141,798	20,257	1	2019	162,055	2019	24,000	33,000	24,000								
2601	3/4 Ton Pickup	JPP		JPP Machine Shop	68,014	4,001	15	2016	72,015	2020	26,800		26,800								
2606	3/4 Ton Pickup w/Utility Body	M. Izoco		Oneill PP	57,736	3,609	15	2010	61,345	2020	36,000		36,000								
8041	1 Ton Pickup w/Utility Body - Diesel	CMT		TFO Civil Maint.	132,548	12,050	2	2020	144,598	2020	55,000		55,000							55,000	
8033	3/4 Ton Pickup	J. Miller		JPP Machine Shop	74,181	6,182	13	2020	80,363	2020	26,800		26,800							33,000	
8092	3/4 Ton Pickup w/Utility Body <sup>2</sup>	M. Costa		LBFO Canal Operations	141,542	28,308	0	2018	169,850	2020	36,000		36,000						36,000		
8104	1/2 Ton Pickup	S. Posey		LBFO Canal Operations	131,951	32,988	1	2019	164,939	2020	26,100		26,100					26,100	00,000		
	Mid Size SUV 4WD	P. Stearns		Operations Manager	111,285	27,821	2	2020	139,106	2020	29,200		29,200					29,200			
8074	3/4 Ton Pickup w/Utility Body <sup>2</sup>	L. Simonich		TFO Canal Operations	118,658	16,951	-2	2016	152,560	2020	36,000		20,200	36,000				20,200		36,000	
	3/4 Ton Pickup	M. Garcia		LBFO Civil Maint.	84,322	7,027	10	2010	98,376	2021	26,800			26,800						30,000	
8034	3/4 Ton Pickup w/Utility Body	ESHOP	2006		66,369	5,531	15	2021	77,431	2021	36,000			36,000							
	3/4 Ton Pickup w/Utility Body	ESHOP		TFO Civil Maint.	73,565	6,130	13	2021	85,826	2021	36,000			36,000							
8076	1/2 Ton Pickup	B. Soares		LBFO Civil Maint.	118,459	16,923	2	2020	152,304	2021	26,100			26,100							
	Small SUV	J. Lenhardt		Safety Engineer	54,423	10,885	8	2026	87,077	2022	26,500			20,100	26,500						
8107	3/4 Ton Pickup w/Utility Body <sup>2</sup>	G. Dingman		TFO Canal Operations	25,678	12,839	10	2028	64,195	2022	36,000				20,000	36,000					36,000
	Mid Sized Sedan	T. Boardman		WR Engineer	69,860	17,465	5	2023	139,720	2022	26,500					26,500					00,000
	1/2 Ton Pickup	E. Isaacson		TFO Electric Shop	75,193	8,355	9	2020	108,612	2023	26,100					26,100	-				
8073	3/4 Ton 4x4 Pickup	N. Barletta		TFO Civil Maint.	50,715	7,245	14	2026	79,695	2023	30,200					30,200	-				<u> </u>
8086	1/2 Ton Pickup	R. Nazabel		TFO Civil Maint.Foreman	64,219	10,703	9	2027	107,032	2023	24,000					24,000	-				
8108	Small SUV	B. Martin		Engineering Manager	35,712	17,856	7	2025	107,136	2023	23,000					2.,000					
8122	1/2 Ton Pickup <sup>2</sup>	K. Silva		TFO Canal Operations	22,000	22,000	4	2022	132,000	2024	24,000						24,000				
8121	Toyota Prius <sup>1</sup>	F. Mizuno		Asst Executive Director	11,992	11,992	3	2021	71,952	2024	26,500						26,500				
	1/2 Ton Pickup <sup>2</sup>	Rodney Huff		LBFO Canal Operations	22,000	22,000	4	2022	132,000	2024	24,000						24,000				
8119	1/2 Ton Ext Cab 4X4 <sup>2</sup>	Walsh		LBFO Canal Operations	19,848	19,848	4	2022	119,088	2024	36,000						36,000				
8069	3/4 Ton Pickup	Equip. Oper		TFO Civil Maint.	67,770	8,471	10	2025	118,598	2025	26,800						,	26,800			
	3/4 Ton Pickup. 4WD	Robert Huff		LBFO Civil Maint	50,667	12,667	8	2026	126,668	2025	30,200							30,200			
	Mid Sized Sedan	A. Azhderian	2017	Water Policy Admin.	20,000	20,000	7	2025	160,000	2026	26,500							26,500			
	1/2 Ton Pickup	J. Oxenrider		Operations	6,050	6,050	15	2032	48,400	2026	24,000								24,000		
	1/2 Ton Pickup	J. Belwood		Mechanical Engineer	5,000	12,000	13	2031	101,000	2027	24,000								,	24,000	
	1 Ton Pickup w/Utility Body	JPP		JPP Machine Shop	13,000	1,444	15	2024	24,556	2027	38,000									38,000	
	Small SUV	D. Lakey		SCADA Integrator	37,000	6,167	15	2027	86,333	2027	26,500									26,500	
	3/4 Ton Pickup w/Utility Body	A. Jorge		LBFO Civil Maint	18,341	9,171	15	2031	91,705	2027	36,000								36,000		
8098	Minivan-Service Van	Y. Suarez		OPP C&I	25,000	5,000	15	2028	70,000	2028	24,000										24,000
	1 Ton Utility Truck-Diesel	CMLB		LBFO Civil Maint.	43,417	10,854	10	2028	151,960	2029	55,000										
	1 Ton Utility Truck - Diesel	T. Romero		TFO Civil Maint.	12,100	3,025	15	2029	42,350	2029	55,000										
	1 Ton Pickup w/Utility Body	R. Bertao		LBFO Civil Maint	7,689	3,845	15	2031	49,979	2030	37,000										
	· · ·																				
	Notes:	•	42		•	•	•	•	•	•	Total	\$ 235,500	\$ 259,900 \$	5 160,900	\$ 26,500 \$	142,800	\$ 110,500	\$ 138,800	\$ 163,500	\$ 179,500	\$ 60,00
	1. Exec. Director & Asst. Exec. Director vehic	les to be replace	ed every 5	years and reassigned to another	Department.					# of `	Vehicles Replaced	6	8	5	1	5	4	5	5	5	2
	2. TFO & LBFO Canal Operations high milea	ge vehicles shall	I be replac	ced every 5 or 6 years and reassic	gned to anoth	ner Departme	ent.			3% Inflatio	on Factor per Year	\$ 7,065	\$ 15,828 \$	6 14,920	\$ 3,326 \$	22,744	\$ 21,443	\$ 31,906	\$ 43,617	\$ 54,707	\$ 20,63
	3. Vehicle mileage reflects partial year use.				-						otal Dollar Amount										
											NOTE: Vehicle re									Grand Total	

MID SIZE SUV		EST	TIMATE COST: \$37,000
EXISTING VEHICLE INFORM	ATION		
VEHICLE NO: 8067	<b>YEAR:</b> 20	010	AGE (YRS.): 08
MAKE: Buick	MODEL:	Lucerne	
DEPARTMENT: Executive	Director	MAINTENANCE	YARD: LBFO
CURRENT MILEAGE: 104	l,00 <b>PROJEC</b>	TED MILEAGE WHEN	<b>N REPLACED:</b> 110,000
MECHANICS RATING OF VEI	HICLE: POOR:	FAIR: X	GOOD:
DESCRIPTION AND JUSTIFIC	ATION		
DESCRIPTION OF VEHICLE	JSE WITHIN THE AUTH	HORITY:	
This vehicle is assigned to Exe functions and for daily commuti		ed for routine transporta	ation in support of WA
<b>REASON (S) FOR REPLACEN</b> Vehicle is 8 Years old. The WA executive director for the past f use a company car This vehicle will be reassigned	A replaces the vehicle fo ew years has chosen to	drive his personal veh	
INTENDED USE AFTER REPLACEMENT:	EASSIGNMENT TO: 1	BAO	SURPLUS:
VEHICLE TO BE SURPLUSE	<u>D:</u>		
VEHICLE NO:	YEAR:		AGE (YRS):
MAKE:	MODEL:		. ,
DEPARTMENT:		MAINTENANCE	YARD
	<b>E</b> .		
MECHANICS RATING OF VEI	HICLE: POOR:	FAIR:	GOOD:
GENERAL NOTE:			

¾ TON SERVICE TRUCK			E	STIMATE	COST:	\$34,000
EXISTING VEHICLE INFORMATION						
<b>VEHICLE NO:</b> 8025	YEAR:	2004		AG	E (YRS.):	14
MAKE: Ford	MODEL:	F250				
<b>DEPARTMENT:</b> Maintenance		M	AINTENAN	CE YARD:	LBFO	
CURRENT MILEAGE: 154,500	PROJ		ILEAGE WH	IEN REPLA	ACED:	160,000
MECHANICS RATING OF VEHICLE:	POOR:		FAIR:	X	GOO	D:
DESCRIPTION AND JUSTIFICATION						
DESCRIPTION OF VEHICLE USE WITH This vehicle is assigned for weed control. where access to larger spray trucks is no REASON (S) FOR REPLACEMENT: Vehicle is 14 years old. The WA replaces vehicles in order to ensure that weeds are weed control at WA facilities	It is fitted t possible. s vehicles a	with a 200 11 150,000	gallon tank miles. Wee	d control re	quire high	ly reliable
The tank and spray equipment of this veh The truck will be disposed of.	iicle will be	reused on	the new vel	hicle.		
INTENDED USE AFTER REPLACEMENT: REASSIGN	MENT TO:			S	URPLUS:	x
VEHICLE TO BE SURPLUSED:						
VEHICLE NO: Same	YEAR:			AG	E (YRS):	
MAKE:	MODEL:					
DEPARTMENT:		M	AINTENAN	CE YARD:		
CURRENT VEHICLE MILEAGE:						
MECHANICS RATING OF VEHICLE:	POOR:		FAIR:		GOO	D:
GENERAL NOTE:						

1/2 TON PICKUP. EXTRA CAB. 4WD		ESTIMATE COST: \$30,500
EXISTING VEHICLE INFORMATION		
VEHICLE NO: 8093	<b>YEAR:</b> 2013	<b>AGE (YRS.):</b> 5
MAKE: Chevy	<b>MODEL:</b> 1500	
<b>DEPARTMENT:</b> Canal Operations	MAINTEN	IANCE YARD: LBFO
CURRENT MILEAGE: 155,600	PROJECTED MILEAGE	WHEN REPLACED: 170,000
MECHANICS RATING OF VEHICLE:	POOR: FA	IR: <b>X</b> GOOD:
DESCRIPTION AND JUSTIFICATION		
<ul> <li>DESCRIPTION OF VEHICLE USE WITH</li> <li>This vehicle is used by one of the DMC C</li> <li>Operator is responsible for the daily operation</li> <li>Daily inspection of the Mendota F</li> <li>Reading of staff gauges</li> <li>Locking and unlocking turnout gat</li> <li>Meter readings</li> <li>Manual operation of radial gate particular operation of this position.</li> </ul>	anal Operator who patrols th ation of the DMC. Duties incl Pool and DMC tes osition	ude:
<b>REASON (S) FOR REPLACEMENT:</b> WA policy is to replace vehicles at 150,000 vehicles which are replaced every 5 to 6 y This vehicle will exceed 150,000 miles in This vehicle will be reassigned to another	vears due to the high mileage	3.
INTENDED USE AFTER REPLACEMENT: REASSIGN	MENT TO: Control Operato	rs SURPLUS: <b>8051</b>
VEHICLE TO BE SURPLUSED:		
VEHICLE NO: 8051	<b>YEAR:</b> 2008	<b>AGE (YRS):</b> 10
MAKE: Ford	MODEL: F250	
<b>DEPARTMENT:</b> Control Operators	MAINTEN	IANCE YARD: TFO
CURRENT VEHICLE MILEAGE: 203,		
MECHANICS RATING OF VEHICLE:		
	FUUR. A FA	IR: GOOD:
GENERAL NOTE:		

1/2 TON PICKUP		ESTIMATE COST:	\$24,000
EXISTING VEHICLE INFORMATION			
VEHICLE NO: 8084	<b>YEAR:</b> 2013	AGE (YRS.):	5
MAKE: Chevy	<b>MODEL:</b> 1500		
<b>DEPARTMENT:</b> Canal Operations	MAINTE	NANCE YARD: TFO	
CURRENT MILEAGE: 127,000	PROJECTED MILEAG	E WHEN REPLACED:	150,000
MECHANICS RATING OF VEHICLE:	POOR: FA	AIR: <b>X</b> GOO	D:
DESCRIPTION AND JUSTIFICATION			
<ul> <li>DESCRIPTION OF VEHICLE USE WITH This vehicle is used by the Canal Operational daily operations of the DMC.</li> <li>Routine inspection of the DMC, we Attending meetings</li> <li>Supervision of activities associated</li> <li>Daily commuting</li> </ul> The Canal Operations Superintendent drivehicle is a necessity of this position. REASON (S) FOR REPLACEMENT: WA policy is to replace vehicles at 150,000 vehicles which are replaced every 5 to 6 million.	ons Superintendent. He is r vasteways and other WA fac ed with the DMC ives over 25,000 miles per ye 00 miles or 15 years with the years due to the high mileag	ear. Therefore a highly rel	able
INTENDED USE AFTER REPLACEMENT: REASSIGN	MENT TO: Engineering an	d Planning SURPLUS:	8030
VEHICLE TO BE SURPLUSED:			
VEHICLE NO: 8030	<b>YEAR:</b> 2008	AGE (YRS):	10
MAKE: Ford	MODEL: F250		
<b>DEPARTMENT:</b> Canal Maintenance		NANCE YARD: TFO	
CURRENT VEHICLE MILEAGE: 153,		-	
, ,		AIR: GOOI	D:
GENERAL NOTE:			
CENERAL NOTE.			

1 TON SERVICE TRUCK			ESTIMATE COS	T: \$55,000
EXISTING VEHICLE INFORMATION				
VEHICLE NO: 8036	YEAR:	2006	AGE (Y	<b>RS.):</b> 12
MAKE: Ford	MODEL:	F350		
DEPARTMENT: Canal Maintenance		MAINTENA	NCE YARD: TF	0
CURRENT MILEAGE: 148,600	PROJI		WHEN REPLACED	<b>):</b> 160,000
MECHANICS RATING OF VEHICLE:	POOR:	FAIF	R: <b>X</b> (	GOOD:
DESCRIPTION AND JUSTIFICATION				
DESCRIPTION OF VEHICLE USE WITH	IN THE AU	THORITY:		
<ul> <li>personnel and equipment to various work</li> <li>Routine work along the DMC</li> <li>Towing trailers</li> <li>Welding</li> <li>Facility repair</li> </ul> <b>REASON (S) FOR REPLACEMENT:</b> WA policy is to replace vehicles at 150,000 vehicles which are replaced every 5 to 6 yehicles which are replaced every 5	00 miles or 7 years due to	15 years with the ex o the high mileage.		peration
INTENDED USE AFTER REPLACEMENT: REASSIGN	MENT TO:		SURP	LUS:
VEHICLE TO BE SURPLUSED:				
VEHICLE NO: Same	YEAR:		AGE (Y	RS):
MAKE:	MODEL:			- /-
DEPARTMENT:	MODEL.			
			NCE YARD:	
CURRENT VEHICLE MILEAGE:				
MECHANICS RATING OF VEHICLE:	POOR:	FAIF	२: (	GOOD:
GENERAL NOTE:				

1 TON SERVICE TRUCK			ESTIMA	TE COST:	\$55,000
EXISTING VEHICLE INFORMATION					
VEHICLE NO: 8049	YEAR: 2	2008		AGE (YRS.):	10
MAKE: Ford	MODEL:	F350			
<b>DEPARTMENT:</b> Canal Maintenance		MAINTE	ENANCE YAF	RD: TFO	
CURRENT MILEAGE: 151,000	PROJE	CTED MILEAC	GE WHEN RE	EPLACED:	160,000
MECHANICS RATING OF VEHICLE:	POOR:	F	FAIR: X	GOOL	D:
DESCRIPTION AND JUSTIFICATION					
<ul> <li>DESCRIPTION OF VEHICLE USE WITH This vehicle is used by the Canal Mainter personnel and equipment to various work         <ul> <li>Routine work along the DMC</li> <li>Towing trailers</li> <li>Welding</li> <li>Facility repair</li> </ul> </li> <li>REASON (S) FOR REPLACEMENT: WA policy is to replace vehicles at 150,00 vehicles which are replaced every 5 to 6 y This vehicle will be converted into a flat b</li> </ul>	D0 miles or 15	5 years with the high milear	e exception o ge.		
INTENDED USE AFTER REPLACEMENT: REASSIGN	MENT TO:	CM LBFO		SURPLUS:	8026
VEHICLE TO BE SURPLUSED:					
VEHICLE NO: 8026	<b>YEAR:</b> 2	2004		AGE (YRS):	14
MAKE: Ford	MODEL:	F350			
DEPARTMENT: CM LB		MAINTE		RD: LBFO	
CURRENT VEHICLE MILEAGE: 204,	,000				
MECHANICS RATING OF VEHICLE:	POOR:	X F	FAIR:	GOOL	D:
GENERAL NOTE:					

**Project Description and Justification Sheet** 

Project No.: C2011001	<b>Project Code:</b>	D3-2019		Priority:	В-7-с
Facility: ALL					
Project Title: Facility Infrastructo	ure Replacement/Re	ehabilitation Program	n		
Estimated Total Cost: \$106,	000.00				
<i>CONTRACT COSTS:</i> \$106,000.	00				
IN-HOUSE COSTS: Labor: \$	0.00 <i>Mate</i>	rials: \$0.00	Equipment:	\$0.00	
Project Description and Scope:					
The reserve funds set aside for t	this project will be ut	ilized for planned re	pairs/rehabilit	tation and/	′or

The reserve funds set aside for this project will be utilized for planned repairs/rehabilitation and/or improvements to the facilities the SLDMWA has the responsibility to operate and maintain. The typical type of project to be funded will be associated with facility repairs/rehabilitation and/or improvements in the following areas: Roofing Systems, Building Interior/Exterior Components, Building HVAC Systems, Building Electrical & Communication Systems, Building Plumbing Systems, Building Fire Protections Systems, and Building Pavement & Grounds.

#### **Project Purpose and Background:**

The San Luis & Delta-Mendota Water Authority is responsible for the operation, maintenance, rehabilitation and replacement of C.W. "Bill" Jones Pumping Plant, O'Neill Pumping/Generating Plant and all their supporting O&M facilities. The majority of the facilities were constructed in the 1950's and 1960's and the existing buildings on the Tracy Compound were built in 1996. The purpose of this reserve fund is to fund required repairs/rehabilitation projects as they are needed.

#### **Project Status:**

See attached Facility Infrastructure 10 Year Plan.

## San Luis & Delta-Mendota Water Authority Facility Infrastructure 10 Year Plan

	How Often (Yrs)	Est. Cost (x1000) in 2014\$	Year Last Performed	Forecasted Years	20	019	2	020	2021	2022	2023		2024	2	025	2026	2027		2028
Tracy Field Office Facilities					\$	90	\$	75	\$ 50	\$ 190	\$ 45	\$	50	\$	75	\$ 25	\$	15	\$-
Entire O&M Compound					\$	-	\$	75	\$ -	\$ -	\$ 45	\$	-	\$	-	\$-	\$	-	\$-
Asphalt Pavement Areas					\$	-	\$	-	\$ -	\$ -	\$ 45	\$	-	\$	-	\$-	\$	-	\$-
Seal Coat Surfacing & Striping (incl USBR Lot)	5	41	2017	2022							\$ 45								
Alarm & Security Systems					\$	-	\$	-	\$ -	\$ -	\$-	\$	-	\$	-	\$-	\$	-	\$-
Fire Alarm System Replacement	30	20	2011	2041															-
Security System Replacement	20	25	2012	2032															
Wash Water Recycling System					\$	-	\$	75	\$ -	\$ -	\$-	• \$	-	\$	-	\$-	\$	-	\$-
Recycling System Replacement	20	75	1996	2016			\$	75											
Aboveground Fuel Storage System					\$	-	\$	-	\$ -	\$ -	\$-	\$	-	\$	-	\$-	\$	-	\$-
Tank Replacement	40	20	1996	2036															
Fuel Dispensing System Replacement	15	20	2015	2030															
Fuel Management Software Replacement (1995)	15	5	2015	2030															
Control Building (66 Years Old)					\$	-	\$	-	\$ 15	\$ -	\$-	\$	15	\$	-	\$-	\$	10	\$ -
Roofing Systems					\$	-	\$	-	\$ 15	\$ -	\$-	\$	-	\$	-	\$-	\$	-	\$-
Roof Re-seal/Overlay/Replacement	20	15	1998	2018					\$ 15										
Building Interior/Exterior Components					\$	-	\$	-	\$ -	\$ -	\$-	\$	15	\$	-	\$-	\$	10	\$-
Interior Maintenance (Painting)	20	10	2007	2027													\$	10	
Kitchen Remodel	25	15	1980	2005								\$	15						
Flooring Replacement (Carpet/Tile)	20	15	2007	2027															
Building HVAC					\$	-	\$	-	\$ -	\$ -	\$-	\$	-	\$	-	\$-	\$	-	\$-
Heater System Replacement	20	10	2011	2031															
Air Conditioning System Replacement	20	30	2011	2031															
Ventilation System Replacement	20	10	2011	2031															
Warehouse Building (22 Years Old)					\$	-	\$	-	\$ 15	\$ -	\$-	\$	20	\$	25	\$-	\$	5	\$-
Roofing Systems					\$	-	\$	-	\$ -	\$ -	\$-	\$	-	\$	25	\$-	\$	-	\$-
Roof Repair/Replacement	25	25	1996	2021										\$	25				
Building Interior/Exterior Components					\$	-	\$	-	\$ 15	\$ -	\$-	\$	20	\$	-	\$-	\$	5	\$-
Exterior Maintenance (Painting)	40	15	1996	2036															
Interior Maintenance (Painting)	20	5	2007	2027													\$	5	
Kitchen Remodel	25	15	1996	2021					\$ 15			1							
Flooring Replacement (Carpet/Tile)	20	20	2007	2027								\$	20						
Building HVAC					\$	-	\$	-	\$ -	\$ -	\$-	\$	-	\$	-	\$-	\$	-	\$-
Heater System Replacement	20	15	1996	2016															
Air Conditioning System Replacement	20	18	1996	2016															
Ventilation System Replacement	20	10	1996	2016															
Building Fire Protection System					\$	-	\$	-	\$ -	\$ -	\$-	\$	-	\$	-	\$-	\$	-	\$-
Component Replacement (Sprinklers & Detectors)	50	10	1996	2046															

San Luis & Delta-Mendota Water Authority Facility Infrastructure 10 Year Plan

	How Often (Yrs)	Est. Cost (x1000) in 2014\$	Year Last Performed	Forecasted Years	20	)19	2020	202	21	2022	2023		2024	2025	2026	2027	2028
Adminstration/Electric Shop Building (22 Years Old)	1 - 2				\$	90	\$-	\$	-	\$-	\$	- \$	15			\$-	\$-
Roofing Systems					\$	-	\$-	\$	-	\$-	\$	- \$	-	\$ 25	\$-	\$-	\$-
Roof Repair/Replacement	25	25	1996	2021										\$ 25			
Building Interior/Exterior Components					\$	-	\$-	\$	-	\$-	\$	- \$	15	\$-	\$-	\$-	\$-
Exterior Maintenance (Painting)	40	15	1996	2036													
Interior Maintenance (Painting)	20	10	2013	2033													
Office Partition Replacement	20	25	2013	2033													
Kitchen/Lunch Room Remodel	20	15	1996	2016								\$	15				
Flooring Replacement (Carpet/Tile)	20	15	2013	2033													
Building HVAC					\$	90	\$-	\$	-	\$-	\$	- \$	-	\$-	\$-	\$-	\$-
Heater System Replacement	20	35	1996	2016	\$	35											
Air Conditioning System Replacement	20	35	1996	2016	\$	35											
Ventilation System Replacement	20	20	1996	2016	\$	20											
Building Fire Protection System					\$	-	\$-	\$	-	\$-	\$	- \$	-	\$-	\$-	\$-	\$-
Component Replacement (Sprinklers & Detectors)	50	10	1996	2046			•			•				•			
Civil/Vehicle Maintenance Building (22 Years Old)					\$	-	\$-	\$	20	\$ -	\$	- \$	-	\$ 25	\$-	\$-	\$-
Roofing Systems					\$	-	\$ -	\$		\$ -	\$	- \$	-	\$ 25		\$ -	\$-
Roof Repair/Replacement	25	25	1996	2021			•			•				\$ 25			· · · · · · · · · · · · · · · · · · ·
Building Interior/Exterior Components					\$	-	\$-	\$	20	\$-	\$	- \$	-	\$ -	\$-	\$-	\$-
Exterior Maintenance (Painting)	40	15	1996	2036										-			
Interior Maintenance (Painting)	20	10	2014	2034													
Flooring Replacement (Tile)	25	20	1996	2021				\$	20								
Building HVAC					\$	-	\$-	\$	-	\$-	\$	- \$	-	\$-	\$-	\$-	\$-
Heater System Replacement	20	10	1996	2016			·			·				·			
Air Conditioning System Replacement	20	10	1996	2016													
Shop Ventilation System Replacement	20	10	1996	2016													
Building Fire Protection System					\$	-	\$-	\$	-	\$-	\$	- \$	-	\$-	\$-	\$-	\$-
Component Replacement (Sprinklers & Detectors)	50	10	1996	2046										-			
Sandblast and Paint Building (16 Years Old)					\$	-	\$-	\$	-	\$ 190	\$	- \$	-	\$-	\$ 25	\$-	\$-
Roofing Systems					\$	-	\$-	\$	-	\$-	\$	- \$	-	\$-	\$ 25	\$-	\$-
Roof Repair/Replacement	25	25	2002	2027			•			•				·	\$ 25		
Building Interior/Exterior Components					\$	-	\$-	\$	-	\$-	\$	- \$	-	\$-	\$-	\$-	\$-
Exterior Maintenance (Painting)	40	15	2002	2042			•			•				•			
Blast Room Air Flow System					\$	-	\$-	\$	-	\$ 190	\$	- \$	-	\$-	\$-	\$-	\$-
Filter Replacement	10	15	2012	2022						\$ 15							
Air Compressor Replacement	20	50	2002	2022						\$ 50					1		
Shop Ventilation System Replacement	20	50	2002	2022						\$ 50					1		
Media Collection System	20	75	2002	2022						\$ 75					1	1	
Building Fire Protection System					\$	-	\$-	\$	-	\$ -	\$	- \$	-	\$-	\$-	\$-	\$-
Component Replacement (Sprinklers & Detectors)	30	10	2002	2032													

## San Luis & Delta-Mendota Water Authority Facility Infrastructure 10 Year Plan

	How Often (Yrs)	Est. Cost (x1000) in 2014\$	Year Last Performed	Forecasted Years	2	019	2020		2021	2022	2023		202	4	2025	2026	2027		2028
Los Banos Field Office & Maintenance Facility					\$	13	\$	- \$	s -	\$ -	\$	-	\$	75	\$-	\$ 35	\$-	\$	85
Entire O&M Compound	Т				\$	13	\$	- \$	5 -	\$-	\$	-	\$	75	\$-	\$-	\$-	\$	45
Asphalt Pavement Areas					\$	13	\$	- \$	-	\$.	\$	-	\$	-	\$ -	\$	\$	- \$	-
Seal Coat Surfacing & Striping (2009)	10	10	2009	2019	\$	13													
Alarm & Security Systems					\$	-	\$	- \$	-	\$.	\$	-	\$	-	\$ .	· \$ ·	\$	- \$	45
Fire Alarm System Replacement (2008)	20	20	2008	2028														\$	20
Security System Replacement (2008)	20	25	2008	2028														\$	25
Wash Water Recycling System					\$	-	\$	- \$	-	\$.	\$	-	\$	75	\$ -	\$	\$	- \$	-
Recycling System Replacement (2004)	20	75	2004	2024									\$	75				1	
Aboveground Fuel Storage System					\$	-	\$	- \$	-	\$.	\$	-	\$	-	\$ .	\$.	\$	- \$	-
Tank Replacement (1993)	40	20	1993	2033			÷			÷									
Fuel Dispensing System Replacement	15	20	2015	2030															
Fuel Management Software Replacement (1993)	15	5	2015	2030														1	
Office Building (11 Years Old)		_			\$	-	\$	- \$	-	\$-	\$	-	\$	-	\$-	\$ 35	\$	. \$	40
Roofing Systems					\$	-	\$	- \$	; -	\$ -	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-
Roof Repair/Replacement (2008)	25	25	2008	2033			•			•	· ·		•					<u> </u>	
Building Interior/Exterior Components		-			\$	-	\$	- \$	-	\$ -	\$	-	\$	-	\$ -	\$ 35	\$ -	\$	-
Exterior Maintenance (Painting)	40	30	2008	2048	- T		T	-		•					*		*		
Interior Maintenance (Painting) (2008)	20	10	2008	2028												\$ 10		+	
Office Partition Replacement (2008)	20	15	2008	2028												\$ 15			
Flooring Replacement (Carpet/Tile)(2008)	20	10	2008	2028												\$ 10		1	
Building HVAC					\$	-	\$	- \$	-	\$ -	\$	-	\$	-	\$-	\$ -	\$ -	\$	40
Heater System Replacement (2008)	20	20	2008	2028			T			T			Ŧ				*	\$	20
Air Conditioning System Replacement (2008)	20	20	2008	2028														\$	20
Los Banos Administration Office Facility					\$	-	\$ 54	4 \$	s –	\$ -	\$	-	\$	-	\$-	\$ -	\$ 10	\$	-
Office Building				1	\$	-	•	4 \$		\$-	\$	-	\$	-	\$-	\$ -		) \$	-
Offices					\$	-	\$ 44	4 \$	; -	\$ -	\$	-	\$	-	\$ -	\$ -	\$ 10		-
Interior Maintenance (Painting)	20	15	2000	2020			\$ 1			•	· ·		•					<u> </u>	
Office Partition Replacement	20	10	2008	2028			•										\$ 10		
Flooring Replacement (Carpet/Tile)	20	25	2000	2020			\$ 2	7									-	+	
Alarm & Security Systems					\$	-		0 \$	-	\$ -	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-
Security Alarm System Replacement	20	10	2000	2020	Ť		\$ 10			Ŧ	Ť		Ŧ		Ŧ	Ţ	- <b>-</b>	<b>—</b>	
Building Plumbing System					\$	-	\$	- \$	-	\$ -	\$	-	\$	-	\$ -	\$ -	\$ -	\$	-
Kitchen/Lunchroom Remodel	20	18	1992	2012	Ť		T	Ť		Ŧ	<del>-</del>		Ŧ		Ŧ	Ţ	- <b>-</b>	Ť	
		(x \$1000)			\$	103	\$ 129	9 \$	50	\$ 190	\$	45	\$	125	\$ 75	\$ 60	\$ 25	\$	85
3% Inflation Factor		. ,			\$	3		8 \$				7		24		\$ 16		\$	29
· · ·		, ,			-								•						
Yea	riy Total	(x \$1000)			\$	106	\$ 13	7\$	55	\$ 214	Þ	52	\$	149	<b>⊅</b> 92	\$ 76	\$ 33	\$	114
																10 Year (	Grand Total	\$	1,028

**Project Description and Justification Sheet** 

Project No.: E2000004	Project Code:	D0-2019		Priority:	C-6-b
Facility: ALL					
Project Title: Replace Computer/Net	twork Communi	cation Equip (Reserv	/e Fund)		
Estimated Total Cost: \$27,750.	00				
CONTRACT COSTS: \$0.00					
IN-HOUSE COSTS: Labor: \$0.00	Mate	rials: \$27,750.00	Equipment:	\$0.00	
<b>Project Description and Scope:</b>					
The computer/network communication	on equipment sc	heduled to be replace	ed this FY is	summaria	zed on
the attached 10 year plan.					

## Project Purpose and Background:

To ensure that our computer equipment is both operational and is of the capacity to operate current versions of application software, the Authority has a proactive plan to upgrade/replace computer communications equipment rather than react to emergency replacement needs and placing business communications at risk. A 10-year plan was developed to estimate future communications & computer equipment replacement needs. Copiers and fax machines are included in this 10 year plan. The planned replacement of these office machines is necessary based on cost and business function. Forecasting this equipment with network systems also provides the ability to explore combining technologies, i.e. copier with network printing, which may reduce maintenance and supply costs. The SCADA network computers, switches and associated components were added to this project starting FY09. The inclusion of this equipment brings all computer network purchases and control into one project with one manager overseeing purchases and ensuring all equipment meets the minimum requirements and is on a schedule for replacements.

## Project Status:

**Reserve Fund** 

#### SAN LUIS & DELTA-MENDOTA WATER AUTHORITY 10-Year Network/Information Systems Equipment Replacement Plan

	No. in Use	Life-span	No. per	Cost EA	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	TOTAL
		(in years)													
Computers & Peripherals		(,)													
Computers - workstations	42	5	Note 1	\$1,700	\$5,100	\$5,100	\$5,100	\$51,000	\$5,100	\$5,100	\$5,100	\$5,100	\$51,000	\$5,100	\$142.800
												1 - 1			
Computers - laptops	16	4/5		\$2,500	\$10,000	\$12,500	\$12,500	\$2,500	\$7,500	\$17,500	\$10,000	\$5,000	\$5,000	\$15,000	\$97,500
Plotter	1	10		\$10.000	\$0	\$0	\$0	\$10.000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
											¥ -				
Monitors	62	7	Note 2	\$350	\$1,050	\$8,750	\$700	\$4,550	\$700	\$1,050	\$4,900	\$1,050	\$8,750	\$1,050	\$32,550
										-					
Servers	8	5	Note 3		\$6,000	\$15,000	\$10,000	\$43,500	\$0	\$6,000	\$15,000	\$10,000	\$43,500	\$0	\$149,000
Routers	3	5	Note 4	\$7,500	\$0	\$15,000	\$0	\$0	\$0	\$0	\$15,000	\$0	\$0	\$0	\$30,000
Switches	5	5	Note 5		\$4,800	\$0	\$0	\$5,000	\$0	\$4,800	\$0	\$0	\$5,000	\$0	\$19,600
Backup System	3	5	Note 6		\$0	\$0	\$16,000	\$0	\$0	\$0	\$0	\$16,000	\$0	\$0	\$32,000
Anti-virus/spam software/image software	100	3	Note 7	\$70	\$0	\$0	\$7,000	\$0	\$0	\$7,000	\$0	\$0	\$7,000	\$0	\$21,000
Firewall	2	5	Note 8		\$0	\$0	\$4,000	\$0	\$9,000	\$0	\$0	\$4,000	\$0	\$9,000	\$26,000
SCADA computer/network equipment			Note 9												
Computer - workstations	3			\$2,300	\$0	\$0	\$0	\$2,300	\$4,600	\$0	\$0	\$0	\$2,300	\$4,600	\$13,800
Computer - mission critical workstns	2			\$5,500	\$0	\$0	\$0	\$0	\$11,000	\$0	\$0	\$0	\$0	\$11,000	\$22,000
Workstation with Monitors	2	-		\$3,500	\$0	\$0	\$7,000	\$0	\$0	\$0	\$0	\$7,000	\$0	\$0	\$14,000
Servers	2	. 3		\$5,000	\$0	\$0	\$5,000	\$5,000	\$0	\$0	\$0	\$5,000	\$5,000	\$0	\$20,000
Laptops	4			\$2,200	\$0	\$0	\$8,800	\$0	\$0	\$0	\$8,800	\$0	\$0	\$0	\$17,600
Switches	3	5		\$750	\$0	\$0	\$0	\$0	\$2,250	\$0	\$0	\$0	\$0	\$2,250	\$4,500
Firewall	1	5		\$800	\$300	\$0	\$800	\$0	\$0	\$300	\$0	\$800	\$0	\$0	\$2,200
Security Monitors (42")	3	4		\$2,500	\$0	\$0	\$7,500	\$0	\$0	\$0	\$7,500	\$0	\$0	\$0	\$15,000
Office Environment															
Office Equipment	6	4-7	Note 10		\$0	\$34,000	\$5,000	\$0	\$6,000	\$24,000	\$0	\$10,000	\$0	\$29,000	\$108,000
Copiers	6	4-7	Note 10		\$0	\$34,000	\$5,000	<del>۵</del> 0	\$6,000	\$24,000	<b>\$</b> 0	\$10,000	<b>2</b> 0	\$29,000	\$108,000
Fax Machines	4	10	Note 11		\$500	\$0	\$500	\$0	\$0	\$0	\$0	\$1,500	\$0	\$0	\$2,500
Fax Machines	4	10	Note 11		\$500	<b>4</b> 0	\$500	φU	<b>Ф</b> О	<b>Ф</b> О	<b>Ф</b> О	\$1,500	<b>Ф</b> О	φU	\$2,500
Phone System	1	15	Note 12		\$0	\$0	\$0	\$0	\$45,000	\$0	\$0	\$0	\$15,000	\$0	\$60,000
i none System	4	15	NOLE 12		ψυ	ψŪ	ψυ	ψŪ	φ <del>4</del> 3,000	ψŪ	ψŪ	ψŪ	\$13,000	ψŪ	\$00,000
Other Equipment															
Fuel System	1	10			\$0	\$0	\$0	\$0	\$0	\$0	\$35,000	\$0	\$0	\$0	\$35,000
				TOTAL	\$27,750	\$90,350	\$89,900	\$123,850	\$91,150	\$65,750	\$101,300	\$65,450	\$142,550	\$77,000	\$875,050
			١A	nnual Cost											\$87,505
								_							
					predicated on						uire replacem	ent.			
					oftware for the	workstation	(e.g. IVIS VVI	ndows 7/10 &	MS Office Pro	o).					
		place flat pa				- :- 0004									
					storage serve		the energy for		and and all a	4 P					
					2020. The amo							appfiguratio	020000000		
					at LFBO & ONI			naged routers	ALLBAU & H	acy. The am	ount includes	configuration	expenses.		
	Note 5:         Replace Level 2 switches (8) in 2019.         Replace Level 3 switch in 2022.           Note 6:         Replace backup systems at LBAO, Tracy and Sacramento; includes hardware, software, external drives, and technical support.														
					very three yea										
					very three yea re support/upd										
					itches, PCs, m						1.				
					r and one blac						vier in 2021				
					19 and replace				. Replace W	arenouse cop					
		eplace the C						-							
	INULE 12: R	epiace trie T	acy prion	e system in .	2023.										

**Project Description and Justification Sheet** 

Project No.: E1999001	Project Co	ode: F4-	2019		Priority:	В-3-а
Facility: JPP						
Project Title: Unit 2 Rev	vind - Phase 3 (USBR	Funds)				
Estimated Total Cost:	\$5,612,500.00					
CONTRACT COSTS: \$5	,076,700.00					
IN-HOUSE COSTS: L	abor: \$524,600.00	Materials:	\$2,100.00	Equipment:	\$9,100.0	0
<u>Project Description and Sectors</u>		Linit 2 por	the design prov	arad in the d	ocian nha	so of

This project involves the refurbishment of JPP Unit 2 per the design prepared in the design phase of this project.

The scope of this project is to manufacture new stator coils, rewind the stator, manufacture new stator laminations and vents, stack the cores and reinsulate the rotor coils. Also, the high-voltage cable from pump motor neutral to the neutral grounding reactor needs to be replaced. Performance testing requirements for each phase of the work are listed in the contract specifications.

## Project Purpose and Background:

The six (6) motor stators at the Jones Pumping Plant (JPP) were refurbished between 1977 and 1984. The typical service life of a unit stator winding is 25 years. In 2015, the age of the existing unit stator windings was between 31 and 38 years old. A condition assessment for all six (6) JPP units was completed in September 2015. The final report concluded that all 6 units are nearing the end of their service life. Based to the test results, Unit No. 6 was in the worst condition with an expected service life of 2 to 3 years. The recommended refurbishment priority order is Unit 6, 2, 1, 4, 3 & 5.

IMPORTANT NOTE: From June 1998 thru June 2012, the average starts per year per unit was 15. Over the past few years, the JPP pumping restrictions associated with the drought, has forced the units to be cycled (started & shut down) more often than normal. For instance, during July & August 2015, the units were cycled on a daily basis. From June 2013 to June 2015 the average starts per year increased to 21. This poses additional concerns about the reliability of these motors because the additional starts on these aged windings places much greater stress on the windings than does normal running due to higher currents. The SLDMWA rotates the unit starts to minimize the number of starts per unit.

NOTE: The impact of this project if not accomplished is that the Jones Pumping Plant (JPP) unit reliability is decreased and has the potential to cause a unit failure.

## Project Status:

Awaiting approval/funding.

# San Luis & Delta-Mendota Water Authority **Project Cost Summary**

# E1999001 - JPP Unit No. 2 Rewind Project

## **RECLAMATION FUNDS**

Total Fully Burdened Labor Co	ost	\$ 524,600.00
Total Materials		\$ 2,100.00
Total Vehicles & Equipment		\$ 9,100.00
Total Contracts		\$ 5,076,700.00
	Project Grand Total	\$ 5,612,500.00

Project Grand Total \$

Date Proposal Completed:

8/3/2017 by Bob Martin

Note: Values are rounded to the nearest \$100

#### San Luis & Delta-Mendota Water Authority Project Labor Cost Summary

E1999001 - JPP Unit No. 2 Rewind Project	Pro	19 Fully Burdened duction Hourly Rate urrent highest total rate per craft w/benefits)	FY19 Fully Burdened OT Rate (includes PR tax & W/Comp)	No. Of Hours	No. In Craft	No. Per Phase	Total Regular Hours	Total Overtime Hours	Regular Direct Labor	Overtime Labor	Total Labor Cost
Project Summery		Α	В	С	D	Е	F	G	Н	I	J
Project Summary							CxDxE		=A x F	=B x G	= sum H + I
Apprentice Control Operator	\$	121.90	\$ 127.73	0	1	1	0	0	\$-	\$-	\$-
Apprentice Electrician	\$	107.54		200	1	1	200	40	\$ 21,508.00	\$ 4,417.20	\$ 25,925.20
Apprentice Plant Mechanic	\$	107.54	\$ 110.43	400	1	1	400	26	\$ 43,016.00	\$ 2,871.18	\$ 45,887.18
Apprentice Maintenance Worker	\$	71.88	\$ 67.45	0	1	1	0	0	\$-	\$-	\$-
C&I Technician	\$	129.21	\$ 136.54	600	1	1	600	60	\$ 77,526.00	\$ 8,192.40	\$ 85,718.40
Canal Operator	\$	71.25	\$ 66.69	0	1	1	0	0	\$-	\$-	\$-
Relief Canal Operator	\$	74.05	\$ 70.06	0	1	1	0	0	\$ -	\$ -	\$-
Control Operator	\$	133.68	\$ 141.93	0	1	1	0	0	\$ -	\$ -	\$-
Control Operator Relief	\$	136.03		0	1	1	0	0	\$ -	\$ -	\$-
Information Systems Asset Manager	\$	131.80	\$ -	0	1	1	0	0	\$ -	\$ -	\$-
Electrical Foreman	\$	141.06		292	1	1	292	40	\$ 41,189.52	\$ 6,032.80	\$ 47,222.32
Buyer	\$	77.02		0	1	1	0	0	\$ -	\$ -	\$-
Electrician	\$	126.30		960	1	1	960	160	\$ 121,248.00	\$ 21,286.40	\$ 142,534.40
Engineer, Civil -Associate	\$	138.04		0	1	1	0	0	\$ -	\$ -	\$ -
Engineer, Civil Assistant	\$	106.39		0	1	1	0	0	\$-	\$ -	\$-
Engineer, Junior	\$	89.32		248	1	1	248	0	\$ 22,151.36		\$ 22,151.36
Engineer, Electrical - Associate	\$	142.51		0	1	1	0	0	\$ -	\$-	\$ -
Engineer, Mechanical - Associate	\$	142.51		0	1	1	0	0	\$-	\$-	\$-
Information Technology Specialist	\$	113.59		0	1	1	0	0	\$-	\$-	\$-
Equipment Mechanic	\$	80.62		0	1	1	0	0	\$-	\$-	\$-
Equipment Operator	\$	83.34		0	1	1	0	0	\$-	\$ -	\$-
Foreman, O'Neill Pumping Plant	\$	141.06		0	1	1	0	0	\$-	\$-	\$-
Hydrotech-1, (Was Meter Maint./Relief Canal Op)	\$	75.98		0	1	1	0	0	\$-	\$-	\$-
Hydrotech-2 (Was Hydrographer)	\$	79.14		0	1	1	0	0	\$-	\$-	\$-
Maintenance Foreman	\$	94.18		0	1	1	0	0	\$-	\$-	\$-
Safety Engineer	\$	142.51	• • • •	52	1	1	52	0	\$ 7,410.52	*	\$ 7,410.52
Maintenance Supt., Civil	\$	103.77		0	1	1	0	0	\$ -	\$-	\$ -
Maintenance Worker	\$	78.10		0	1	1	0	0	\$-	\$-	\$-
Student Aid	\$	19.40		0	1	1	0	0	\$-	\$-	\$-
Maintenance Worker, Painter	\$	86.08		0	1	1	0	0	\$-	\$-	\$-
Manager, Planning & Engineering	\$	153.99		216	1	1	216	0	\$ 33,261.84	+	\$ 33,261.84
Manager, Operations & Maintenance	\$	159.04		0	1	1	0	0	\$ -	\$-	\$ -
Planner, Civil Maintenance	\$	87.40	*	0	1	1	0	0	\$-	\$-	\$-
Planner, Hydro-Electric Maintenance	\$	107.07		0	1	1	0	0	\$-	\$-	\$-
Plant Mech. 2, HE	\$	126.30		692	1	1	692	92	\$ 87,399.60		\$ 99,639.28
Plant Mech. Foreman, HE	\$	141.06		36	1	1	36	8	\$ 5,078.16	. ,	\$ 6,284.72
Project Coordinator	\$	93.43		0	1	1	0	0	\$ -	\$ -	\$ -
SCADA Engineer	\$	140.93		0	1	1	0	0	\$-	\$-	\$-
Water Operations Superintendent	\$	105.29		0	1	1	0	0	\$-	\$-	\$-
Operations Supervisor	\$	143.37		60	1	1	60	0	\$ 8,602.20	+	\$ 8,602.20
Weed Control Specialist	\$	78.94		0	1	1	0	0	\$ 0,002.20	\$ -	\$ 0,002.20
Engineer, Plant	\$	142.51		0	1	1	0	0	<del>3</del> -	\$ - \$ -	<del>3</del> - \$ -
	φ	142.01	ψ 102.00	0	1		3756	426		of Overtime Cost	*
							0,00	720		eqular Time Cost	, ,
										eyular Time Cost	

Tot Fully Burdened Labor Cost \$ 524,637.42

Materials \$ 2,060.00

Vehicles & Equipment \$ 9,064.00

Contracts \$ 5,076,716.00 Step Total \$ 5,612,477.42

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# San Luis & Delta-Mendota Water Authority Project Materials Cost Breakdown

Item Description	Qty	Unit	Unit Cost	Total Cost
Miscellaneous Consumables (Dissassembly)	1	LS	\$ 1,030.00	\$ 1,030.00
Miscellaneous Consumables (Assembly)	1	LS	\$ 1,030.00	\$ 1,030.00
				\$-
				\$-
				\$-
				\$-
				\$-
				\$-

Materials Total: \$ 2,060.00

Note: 3%/year inflation adjustment included in unit cost

# San Luis & Delta-Mendota Water Authority Project Vehicles & Equipment Cost Breakdown

Description	Qty	Unit	Unit Rate	Total
Recycling Dumpster	1	LS	\$ 824.00	\$ 824.00
Testing Equipment Rental	1	LS	\$ 8,240.00	\$ 8,240.00
				\$-
				\$-
				\$-
				\$-
				\$-
				\$-

Vehicles & Equipment Total: \$ 9,064.00

Note: 3%/year inflation adjustment included in unit rate

# San Luis & Delta-Mendota Water Authority Project Contracts Cost Breakdown

Contract Description	Cost	Total Cost		
Project Management Consulting Services	\$ 531,841	\$	531,841.00	
USBR Contract Oversight	\$ 103,000	\$	103,000.00	
Rewind Contract	\$ 3,862,500	\$	3,862,500.00	
Rewind Contract Contingency (15%)	\$ 579,375	\$	579,375.00	
	\$ -	\$	-	
	\$ -	\$	-	
	\$ -	\$	-	
	\$ -	\$	-	

<u>Contracts Total:</u> \$ 5,076,716.00

Note: 3%/year inflation adjustment included in cost

# FY2020

# Extraordinary O&M Projects

# Information

**Project Description and Justification Sheet** 

<b>Project No.:</b> M2015006	Project (	Code: E	2-2020		Priority:	B-3-b
Facility: ONP						
Project Title: Rehabilitate	e Pump Assemblies	- Phase 5				
Estimated Total Cost:	\$944,430.00					
CONTRACT COSTS: \$25	55,400.00					
IN-HOUSE COSTS: La	<i>bor:</i> \$644,700.00	Material	: \$44,330.00	Equipment:	\$0.00	
<u>Project Description and Sco</u> This project will consist of	f a complete disasse	-		•		

motor/generator assembly to the pump suction piece. All of the internal and external pieces will be transported to the Tracy Office, or to a specialty industrial contractor, for rehabilitation. The rehabilitation work will include sandblasting the deteriorated coatings, repairing the corroded/pitted surfaces and repainting the components with a Reclamation approved coating.

All of the pump internal components will be checked for adequate wall thickness and any weld repairs will be performed by our in-house staff. All of the existing access doors will be replaced. The erosion/corrosion on the pump vanes will receive weld repairs. The pump bearing carriers will be replaced and the pump bearing mounting assembly will be rehabilitated/repaired at the Tracy Machine Shop. Two new access hatches will be fabricated and installed to provide safe ingress/egress to the pump bowl section for annual maintenance activities.

Upon completion of all the rehabilitation work the unit will be completely reassembled. This project is expected to take 9 months to complete. The plan is to start in April and complete the work in December.

To minimize unit outages, this work is planned to be performed in conjunction with the OPP Rehabilitate Penstock Interiors project on the same unit. In addition, these two projects should be performed in consecutive years until all the units have been completed.

(NOTE: The exterior coating on the external pieces tested positive for Lead. All proper handling/disposal procedures will be followed when working with the Lead contaminated pieces.)

## **Project Purpose and Background:**

The purpose of this project is to completely rehabilitate the mechanical components of the six (6) OPP units to prevent reliability issues and to extend the life of the components. The mechanical components of the pump/generating units at O'Neill are approaching 50 years in age. The units have been reliable and have been functioning satisfactorily, but there are signs of corrosion, minor cavitation and coating failures. Once this project has been completed, these units should perform satisfactorily for another 50 years.

Operational Note: With current operational requirements, having one unit unavailable during this planned period should not impact our ability to make all deliveries and move any excess water into San Luis Reservoir for storage. Having the DCI (Delta Mendota-California Aqueduct-Intertie) available will ensure that even at maximum pumping at the Jones Pumping Plant (JPP) no water will be lost.

## Project Status:

FY2020 Project - Recommend Unit 3 for this phase. No significant issues at this time.

**Project Description and Justification Sheet** 

Project No.: M20120	004	Project (	Code:	E4-2	2020		Priority:	B-3-b
Facility: ONP								
Project Title: Rehabi	litate Pe	nstock Interiors						
Estimated Total Cost:	\$49	94,931.00						
CONTRACT COSTS:	\$360,70	00.00						
IN-HOUSE COSTS:	Labor:	\$105,900.00	Mater	ials:	\$28,331.00	Equipment:	\$0.00	
Project Description and		de la carda Cara a cara				:		

Our current plan is to remove the existing coating, repair the severely pitted sections of the pipe and recoat the entire steel portion of the interior of the penstocks. We plan to complete one penstock per year beginning in 2017 until all penstocks have been rehabilitated. The SLDMWA staff will dewater and prepare the penstocks for entry. (NOTE: Prior to any work inside the penstock, the existing coating will be tested for lead and PCB's. If these contaminants are present, all proper handling and disposal procedures will be followed.) The flowmeters will be removed from the penstock interiors. A contractor will then sandblast and remove and properly dispose the existing coating. The SLDMWA staff will assess the condition of the sandblasted steel surface and make the necessary repairs to the steel pipe. After the pitted surfaces have been repaired, the contractor will recoat the penstocks with a Reclamation approved coating. The SLDMWA will reinstall the flowmeters. (NOTE: after installation the flowmeters will be properly aligned by their manufacturer's installation representative) The SLDMWA staff will return the penstock to service and test the flow meters for proper operation.

## Project Purpose and Background:

The purpose of this project is to remove and properly dispose of the 50 year old deteriorated/delaminated coating from the interior of each of the O'Neill P/G Plant penstocks, repair the pitted surfaces and replace the coating with a Reclamation approved coating to restore the penstocks to a like new condition. Over the years, the existing coating on each of the penstocks has been spot repaired. Recent Reclamation RO&M examination reports have identified coating failures in each of the penstocks and recommends a plan be developed to rehabilitate penstock interiors, as soon as possible, to prevent further damage to the steel pipe.

NOTE: PCB's were found in the existing coating of the Unit 6 penstock. As a result, it is assumed that all the penstock existing coatings will contain PCB's. Prior to any work on the interior coating, paint samples will be tested for PCB's. All proper handling/disposal procedures will be followed when working with the PCB contaminated coatings.

Project Status:

**Project Description and Justification Sheet** 

<b>Project No.:</b> C2015004		Project Code:	H1-:	2020		Priority:	В-3-с
Facility: DMC							
Project Title: DMC Serv	ice Area 5 ነ	r Subsidence S	Survey				
Estimated Total Cost:	\$75,000.	.00					
CONTRACT COSTS: \$7	'5,000.00						
IN-HOUSE COSTS: L	<i>abor:</i> \$0.00	Mate	rials:	\$0.00	Equipment:	\$0.00	
<u>Project Description and So</u>			orform			the optim	Dalta

Reclamation's Mid-Pacific Region survey crew will perform a subsidence survey along the entire Delta-Mendota Canal similar to the surveys that were performed in 2014 and 2016. The results of each of the surveys will be compared to determine the extent and rate of subsidence that has occurred along the Delta-Mendota Canal.

With this information, in conjunction with the information provided from the 2014 & 2016 surveys you performed, which were two heavy groundwater pumping seasons, we will be able to accurately predict the maximum and minimum subsidence rates along the DMC. This information will be invaluable when studying and forecasting (or prioritizing) the future structural improvements that will be necessary on the DMC due to subsidence.

## Project Purpose and Background:

Historically, the Delta-Mendota Canal has experienced subsidence in specific sections/reaches due to groundwater pumping during drought periods. A subsidence survey along the entire 116.5 mile long Delta-Mendota Canal needs to be performed every 5 years. The purpose of this project is to provide a placeholder for funding the subsidence survey. If Reclamation is unable to secure the necessary funding for the survey, this money will be used to fund the survey. The Mid-Pacific Region survey crew will perform the survey work every 5 years.

## Project Status:

FY2020 Project - Awaiting Funding Approval

**Project Description and Justification Sheet** 

Project No.: C1997002	Project Code:	E6-2020		Priority:	B-4-b
Facility: DMC					
Project Title: O&M Road Mai	ntenance Program - P	hase 9 of 10			
Estimated Total Cost: \$12	29,400.00				
CONTRACT COSTS: \$16,10	0.00				
IN-HOUSE COSTS: Labor:	\$38,400.00 Mate	erials: \$65,800.00	Equipment:	\$9,100.0	0
Project Description and Scope:					
This phase will install approxi	mately 12.00 miles of :	a chipseal coat to th	ne 12' wide O&	M Road	

between MP 39.21 and 51.21.

The O&M Road Repair and Maintenance Program was approved by the O&M Technical Committee in 1998. The Program was organized in three categories: 1. Repair; 2. Rehabilitation, and 3. Maintenance. The O&M Road Repair category work began in 1998 and was completed in 2000. The O&M Road Rehabilitation category work began in 2001 and was completed in 2007. The O&M Road Maintenance Program began in the summer of 2009 (FY2010). The objective of the O&M Road Maintenance Program is to apply a wearing surface (or chipseal) on approximately one tenth of the DMC roadway annually.

## **Project Purpose and Background:**

The entire length of the O&M road of the Delta-Mendota Canal is traveled daily by operations and maintenance personnel and, in some areas the general public. To extend the life of the O&M road and reduce overall maintenance and/or repair costs, the O&M Technical Committee approved the O&M Road Repair and Maintenance Program in 1998. The Program was organized in three categories: 1. Repair; 2. Rehabilitation, and 3. Maintenance. The O&M Road Repair category work began in 1998 and was completed in 2000. The O&M Road Rehabilitation category work began in 2001 and was completed in 2007. The O&M Road Maintenance Program began in the Summer of 2009 (FY2010). The objective of the O&M Road Maintenance Program is to apply a wearing surface (or chipseal) on approximately one tenth of the DMC roadway annually. The actual lengths and locations will be determined annually based on roadway use and condition.

## Project Status:

Awaiting approval/funding

**Project Description and Justification Sheet** 

1	Project Code:	G2-2020		Priority:	B-4-b
ad Repair (MP 1	05.03 to MP 11	0.85) Phase 2			
\$527,700.00					
\$281,100.00					
<i>Labor:</i> \$99,500	.00 Materia	als: \$137,100.00	Equipment:	\$10,000.	00
<u>Discussion:</u> omplete rehabilit	tation of the O&	M road from MP 1	05.03 to 110	.85. The	
	ad Repair (MP 1 \$527,700.00 \$281,100.00 <i>Labor:</i> \$99,500 <u>Discussion:</u>	ad Repair (MP 105.03 to MP 11 \$527,700.00 \$281,100.00 <i>Labor:</i> \$99,500.00 <i>Materia</i> <u>Discussion:</u>	ad Repair (MP 105.03 to MP 110.85) Phase 2 \$527,700.00 \$281,100.00 Labor: \$99,500.00 Materials: \$137,100.00 Discussion:	ad Repair (MP 105.03 to MP 110.85) Phase 2 \$527,700.00 \$281,100.00 Labor: \$99,500.00 Materials: \$137,100.00 Equipment: Discussion:	ad Repair (MP 105.03 to MP 110.85) Phase 2 \$527,700.00 \$281,100.00 <i>Labor:</i> \$99,500.00 <i>Materials:</i> \$137,100.00 <i>Equipment:</i> \$10,000.

rehabilitation work will include full depth pulverizing (12" deep) with a 2-3% CKD treatment. The pulverized section will be graded and properly compacted. A double chipseal surface will be installed on the rehabilitated section.

#### Justification:

The DMC O&M road downstream of Check Structure 17 is in a distressed condition due to its minimal section (multiple layers of chipseal over 6" of AB) and its use by SLDMWA maintenance equipment and the adjacent landowner farming operations. (NOTE: Some adjacent landowners have prescriptive rights to use the O&M road for their farming operation)

In FY1998, the SLDMWA performed several test sections of roadway rehabilitation methods in areas where there was subbase failure (significant alligator cracking and ruts) in the roadway. In 2012, an inspection of these rehabilitation methods was performed. The method that significantly outperformed all others was the full depth pulverizing (12" deep) with a 3% cement kiln dust (CKD) treatment method. In FY2013, staff presented the performance results of the full depth pulverizing method to the O&M Technical Committee as the recommended repair method for the deteriorated road between MP 90.54 to MP 96.61. This rehabilitation method was approved and the work was performed in FY2014. This section of roadway was inspected during the Summer of 2017 and the roadway was in excellent condition. Based on the performance of the full depth pulverizing with the CKD treatment, staff recommends this approach to be used for all areas of similar roadway subbase failure.

In addition, staff is working with local landowners and Districts to develop a plan to minimize the use of the heavy harvesting equipment on the DMC roadways.

#### **Project Status:**

FY2020 Project - Awaiting approval.

**Project Description and Justification Sheet** 

Project No.: M201500	)2	<b>Project Code:</b>	H0-2020		Priority:	С-3-с
Facility: TFO						
Project Title: Domest	ic Water Trea	tment Plant Replac	ement			
Estimated Total Cost:	\$126,100	0.00				
CONTRACT COSTS:	\$75,000.00					
IN-HOUSE COSTS:	<i>Labor:</i> \$51,	100.00 <i>Materia</i>	uls: \$0.00	Equipment:	\$0.00	
<u>Project Description and</u> The replacement inclu						

The replacement includes the purchase of (2), standalone, Ultra-filtration membrane water treatment units with pre-treatment that is in compliance with Department of Health Services regulations.

## Justification:

The current Tracy Maintenance Facility water treatment plant was installed in 1996. The units are at the end of their useful life and the approved membranes for this type of treatment application has been reduced to one manufacturer and type. Due to changes in the way the membrane are built lower production numbers have become the norm and the current pre-treatment process has caused the premature failure of these membranes. New membranes, which cost around \$13,500 for both units, should have a life span of 5 years or more, but we have noticed these membranes are failing after less than one year of service time. Given the age of the units, a single type of replacement membrane and the State Water Resources Control Board's requirement that we produce drinkable water complete replacement is required.

#### **Project Status:**

FY2020 Project - Awaiting Approval

**Project Description and Justification Sheet** 

Project No.: V1999001	Project C	Code: D2-	2020		Priority:	B-5-b
Facility: VEH						
Project Title: Heavy Equipme	ent Replacement	: Program (F	Reserve Fund)			
Estimated Total Cost: \$74	44,200.00					
CONTRACT COSTS: \$744,20	00.00					
IN-HOUSE COSTS: Labor:	\$0.00	Materials:	\$0.00	Equipment:	\$0.00	
<b>Project Description and Scope:</b>						
The San Luis & Delta-Mendot	ta Water Authori	ty equipmen	t will be replac	ed or conside	ered for	

replacement when the equipment is no longer economical to operate and/or maintain. The purpose of this Reserve Project is to set-aside funding annually for replacement of the Authority critical heavy equipment. The Equipment Replacement Plan will be presented for approval each year.

## **Project Purpose and Background:**

The San Luis & Delta-Mendota Water Authority Equipment Replacement Plan objective is to provide safe and efficient equipment in a manner which maximizes the equipments utilization for the Authority.

Project Status:

See attached Heavy Equipment Replacement 10 Year Plan.

## San Luis & Delta-Mendota Water Authority Extraordinary O&M Projects Project Description and Justification Sheet

<b>Project No.:</b> V1999002	Project Code:	D1-2020		Priority:	В-6-с
Facility: VEH					
Project Title: Vehicle Replacem	nent (Reserve Fund)				
Estimated Total Cost: \$275,	,800.00				
CONTRACT COSTS: \$275,800	.00				
IN-HOUSE COSTS: Labor: \$	60.00 <i>Mate</i>	rials: \$0.00	Equipment:	\$0.00	
Proiect Description and Scope:					

The San Luis & Delta-Mendota Water Authority vehicles will be replaced or considered for replacement when the criteria for the Authority Vehicle Replacement Policy has been met. The purpose of this Reserve Project is to set-aside funding annually for replacement of the Authority vehicles. The Authority Vehicle Replacement Plan will be presented for approval each year.

## **Project Purpose and Background:**

The San Luis & Delta-Mendota Water Authority Vehicle Replacement Policy objective is to provide safe and efficient operating vehicles in a manner which maximizes the vehicles utilization for the Authority.

## Project Status:

See attached Vehicle Replacement 10 Year Plan.

**Project Description and Justification Sheet** 

Project No.: C2011001	Project Code:	D3-2020		Priority:	В-7-с
Facility: ALL					
Project Title: Facility Infrastructu	ure Replacement/Re	habilitation Program			
Estimated Total Cost: \$137,0	00.00				
CONTRACT COSTS: \$137,000.0	00				
IN-HOUSE COSTS: Labor: \$0	0.00 <i>Mater</i>	<i>rials:</i> \$0.00	Equipment:	\$0.00	
Project Description and Scope:					
The reserve funds set aside for the	his project will be uti	lized for planned rep	airs/rehabilit	ation and/	or

improvements to the facilities the SLDMWA has the responsibility to operate and maintain. The typical type of project to be funded will be associated with facility repairs/rehabilitation and/or improvements in the following areas: Roofing Systems, Building Interior/Exterior Components, Building HVAC Systems, Building Electrical & Communication Systems, Building Plumbing Systems, Building Fire Protections Systems, and Building Pavement & Grounds.

## **Project Purpose and Background:**

The San Luis & Delta-Mendota Water Authority is responsible for the operation, maintenance, rehabilitation and replacement of C.W. "Bill" Jones Pumping Plant, O'Neill Pumping/Generating Plant and all their supporting O&M facilities. The majority of the facilities were constructed in the 1950's and 1960's and the existing buildings on the Tracy Compound were built in 1996. The purpose of this reserve fund is to fund required repairs/rehabilitation projects as they are needed.

## Project Status:

See attached Facility Infrastructure 10 Year Plan.

# San Luis & Delta-Mendota Water Authority Extraordinary O&M Projects Project Description and Justification Sheet

Project No.: E2000004	Project Code:	D0-2020		Priority:	C-6-b
Facility: ALL					
Project Title: Replace Computer/	Network Communi	cation Equip (Rese	rve Fund)		
Estimated Total Cost: \$90,3	50.00				
CONTRACT COSTS: \$0.00					
IN-HOUSE COSTS: Labor: \$0	0.00 <i>Mater</i>	rials: \$90,350.00	Equipment:	\$0.00	
<u>Project Description and Scope:</u> The computer/network communic	ation equipment sc	heduled to be repla	ced this FY is	summari	zed on

## **Project Purpose and Background:**

the attached 10 year plan.

To ensure that our computer equipment is both operational and is of the capacity to operate current versions of application software, the Authority has a proactive plan to upgrade/replace computer communications equipment rather than react to emergency replacement needs and placing business communications at risk. A 10-year plan was developed to estimate future communications & computer equipment replacement needs. Copiers and fax machines are included in this 10 year plan. The planned replacement of these office machines is necessary based on cost and business function. Forecasting this equipment with network systems also provides the ability to explore combining technologies, i.e. copier with network printing, which may reduce maintenance and supply costs. The SCADA network computers, switches and associated components were added to this project starting FY09. The inclusion of this equipment brings all computer network purchases and control into one project with one manager overseeing purchases and ensuring all equipment meets the minimum requirements and is on a schedule for replacements.

**Project Status:** 

**Reserve Fund** 

**Project Description and Justification Sheet** 

Project No.: E199900	D1	<b>Project</b> Cod	<i>le:</i> F4-	2020		Priority:	B-3-a
Facility: JPP							
Project Title: Unit 1 F	Rewind - Ph	ase 4 (USBR F	unds)				
Estimated Total Cost:	\$5,633,8	300.00					
CONTRACT COSTS:	\$5,076,700	0.00					
IN-HOUSE COSTS:	Labor: \$5	545,900.00	Aaterials:	\$2,100.00	Equipment:	\$9,100.0	0
<u>Project Description and</u>				h	non one of the theory		

This project involves the refurbishment of JPP Unit 1 per the design prepared in the design phase of this project.

The scope of this project is to manufacture new stator coils, rewind the stator, manufacture new stator laminations and vents, stack the cores and reinsulate the rotor coils. Also, the high-voltage cable from pump motor neutral to the neutral grounding reactor needs to be replaced. Performance testing requirements for each phase of the work are listed in the contract specifications.

## Project Purpose and Background:

The six (6) motor stators at the Jones Pumping Plant (JPP) were refurbished between 1977 and 1984. The typical service life of a unit stator winding is 25 years. In 2015, the age of the existing unit stator windings was between 31 and 38 years old. A condition assessment for all six (6) JPP units was completed in September 2015. The final report concluded that all 6 units are nearing the end of their service life. Based to the test results, Unit No. 6 was in the worst condition with an expected service life of 2 to 3 years. The recommended refurbishment priority order is Unit 6, 2, 1, 4, 3 & 5.

IMPORTANT NOTE: From June 1998 thru June 2012, the average starts per year per unit was 15. Over the past few years, the JPP pumping restrictions associated with the drought, has forced the units to be cycled (started & shut down) more often than normal. For instance, during July & August 2015, the units were cycled on a daily basis. From June 2013 to June 2015 the average starts per year increased to 21. This poses additional concerns about the reliability of these motors because the additional starts on these aged windings places much greater stress on the windings than does normal running due to higher currents. The SLDMWA rotates the unit starts to minimize the number of starts per unit.

NOTE: The impact of this project if not accomplished is that the Jones Pumping Plant (JPP) unit reliability is decreased and has the potential to cause a unit failure.

## Project Status:

Awaiting approval/funding.