



Los Osos Wastewater Project Project Construction Update Month of March 2015



Prepared by: John Waddell, PE
Los Osos Wastewater Project Manager

Update Summary: Progress on the Water Recycling Facility continues into the second year on schedule. Work is beginning to transition from primarily grading and structural to equipment installation. Testing and final clean-up items continue on the Pump Stations contract.

Notable News/Milestones: Two of the four primary building at the Water Recycling Facility have been erected to their ultimate height. The Pump Stations contract was not completed in March, and is expected to reach substantial completion in April.

Water Recycling Facility: construction progress photo



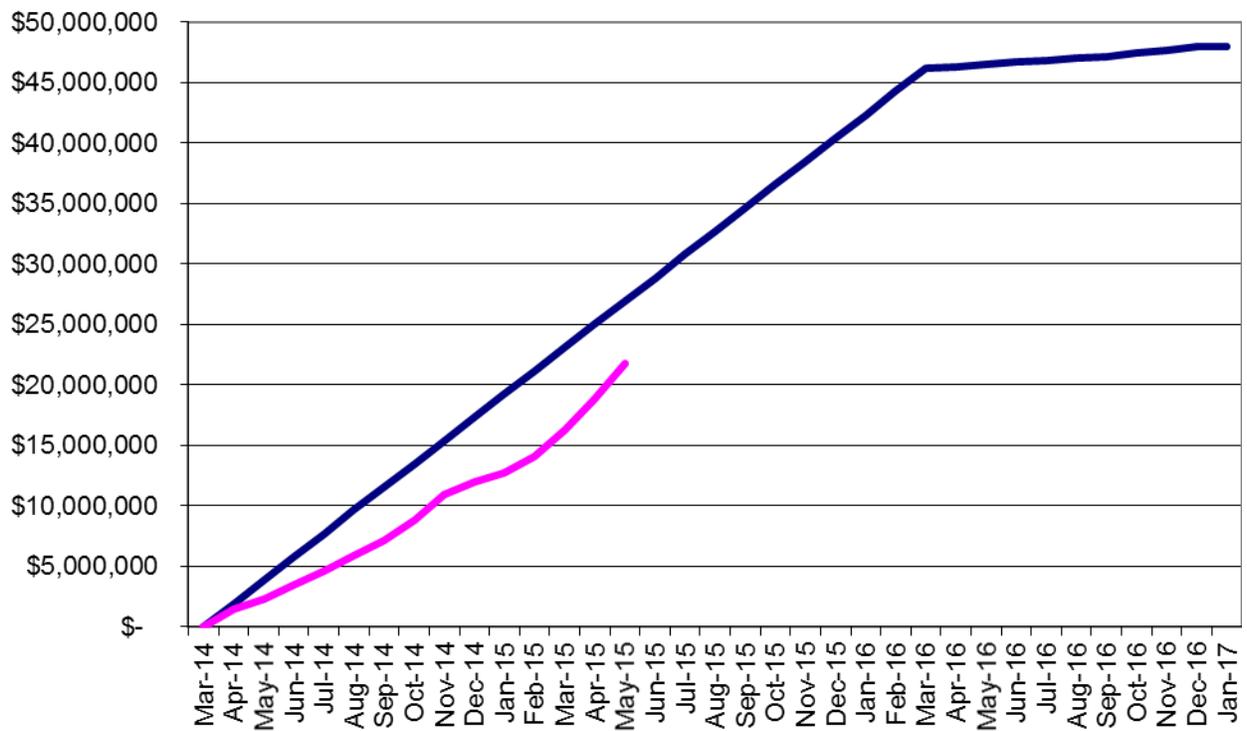
Morro Rock framed between the Administration and Electrical buildings.

**Water Recycling Facility Contract
Contract No. 300448.08.02**

Contract Summary			
Contractor	Auburn Constructors	Notice to Proceed Date	3/17/2014
Contract Value	\$48,180,299	Original Contract Days	1,015
Approved Cost Changes	\$66,143	Approved Extra Days	0
Adjusted Contract Value	\$48,246,442	Planned Substantial Completion Date	10/27/2016
Approved Payment to Date	\$18,788,246	% complete	41%

Summary of Work	Last Month	Total To Date
Cubic Yards of Concrete placed	811	6,939
Buildings completed	0	0
Major equipment installed	0	0

Water Recycling Facility



In the last month, Auburn worked on the following:

- Completed framing of the administration building.
- Placing foundation slab for maintenance building.
- Completed leak testing of southern oxidation ditch and sludge storage tank.
- Completed constructing walls of electrical building.
- Completing final grading of the recycled water storage ponds.

- Beginning construction of inlet and outlet structures for recycled water storage ponds.
- Continue installing yard piping and conduits throughout site.

In the current month, Auburn plans to proceed with the following work:

- Continue constructing administration, maintenance, and electrical buildings.
- Continue constructing inlet and outlet structures for recycled water storage ponds.
- Begin construction of headworks structures.
- Installing equipment in secondary clarifiers.
- Begin construction of UV facility.
- Continue constructing slab for dewatering building.
- Continue installing yard piping and conduits throughout site.

Contract Schedule Review: The contract allows two years to complete the testing phase of the WRF and be ready to accept wastewater flows for the start-up phase on March 18, 2016. After flows have increased sufficiently during the start-up phase to allow for commissioning and final testing, the contract substantial completion date is 10/27/16.

Pictures



Work on filter influent pump station and electrical building.



Framing in progress on Administration building.



Administration building and secondary clarifier basin.



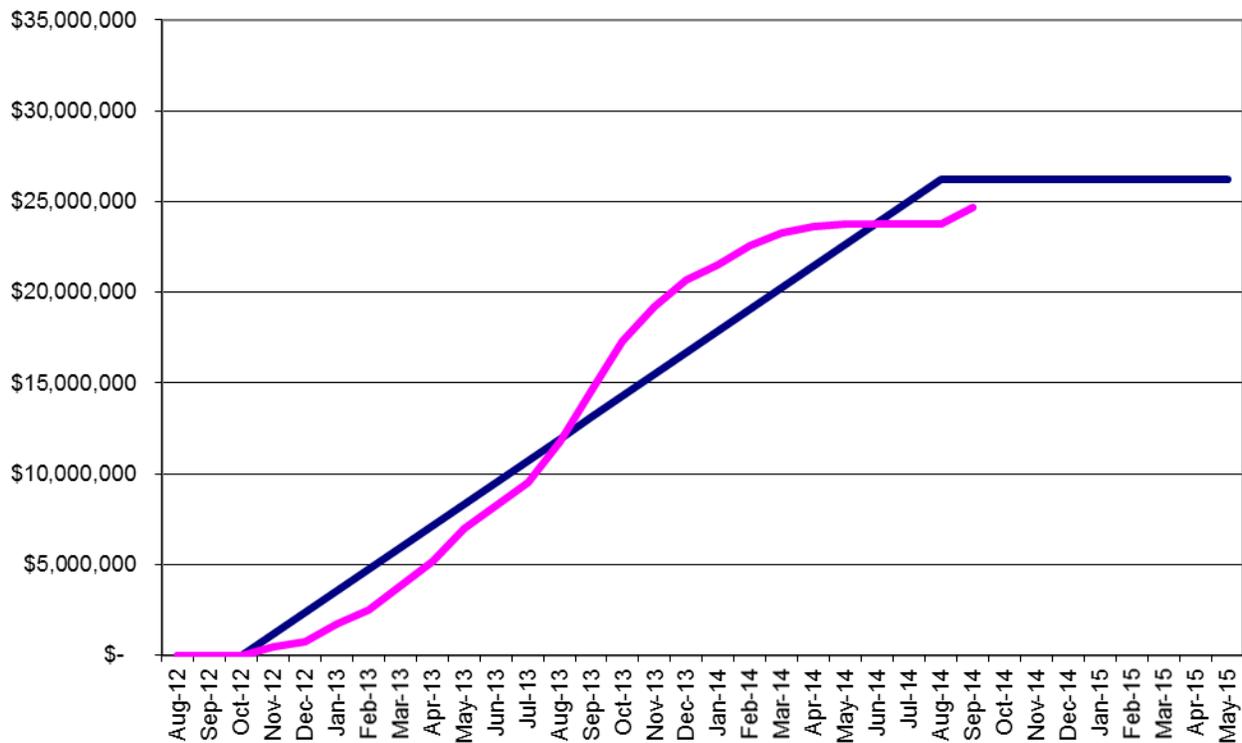
View of work progress and Hollister Peak out the back of the Administration building.

**Collection System Area A&D Contract
Contract No. 300448.08.01.AD**

Contract Summary			
Contractor	ARB Inc.	Notice to Proceed Date	8/13/2012
Contract Value	\$26,223,855	Original Contract Days	694
Approved Cost Changes	\$ 16,170	Approved Extra Days	0
Adjusted Contract Value	\$26,240,025	Planned Substantial Completion Date	7/8/2014
Approved Payment to Date	\$24,703,381	% complete	100%

Summary of Work	Last Month	Total To Date
Blocks/Segments completed	0	160
Total feet of pipe laid	0	132,900
Number of laterals installed	0	2,913

Collection System Area A&D



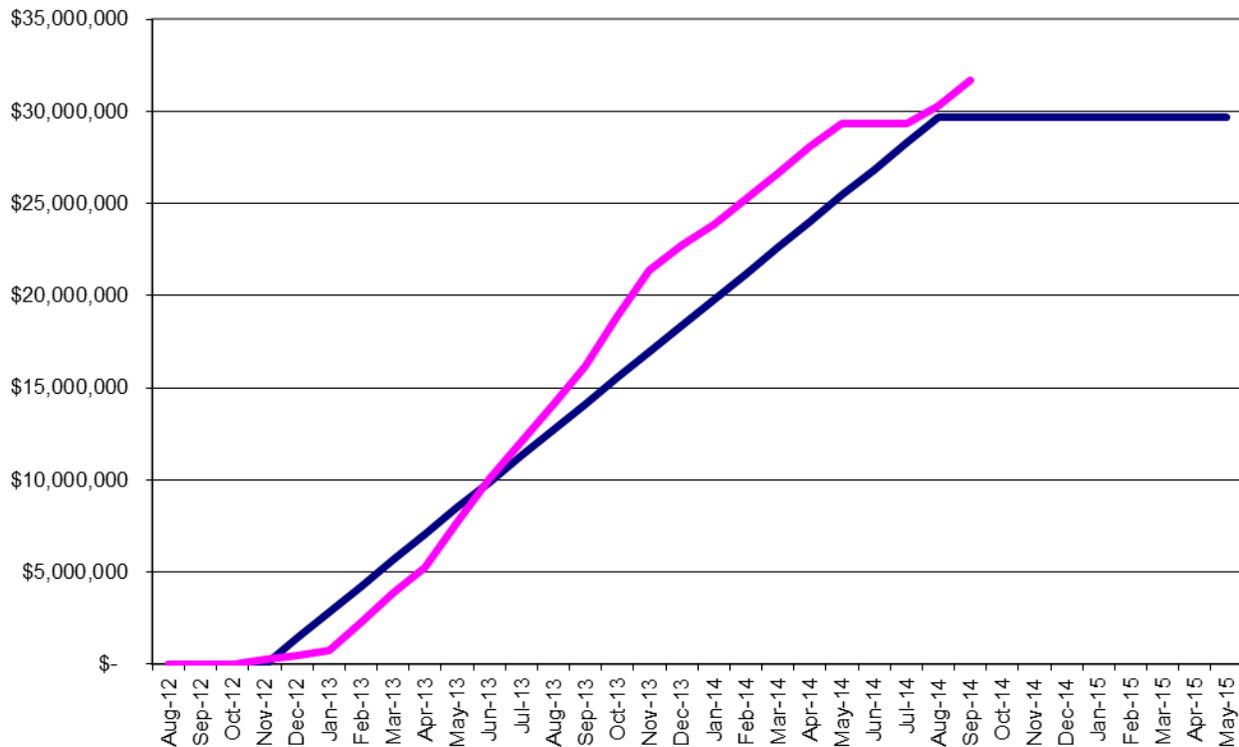
Contract Schedule Review: ARB has met the substantial completion date of 7/8/2014 and the final completion date of 9/5/14.

**Collection System Area B&C Contract
Contract No. 300448.08.01.BC**

Contract Summary			
Contractor	W.A. Rasic	Notice to Proceed Date	9/4/2012
Contract Value	\$29,425,000	Original Contract Days	665
Approved Cost Changes	\$260,893	Approved Extra Days	30
Adjusted Contract Value	\$29,685,893	Planned Substantial Completion Date	7/31/2014
Approved Payment to Date	\$31,709,286	% complete	100%

Summary of Work	Last Month	Total To Date
Blocks/Segments completed	0	135
Total feet of pipe laid	0	123,380
Number of laterals installed	0	1,786

Collection System Area B&C



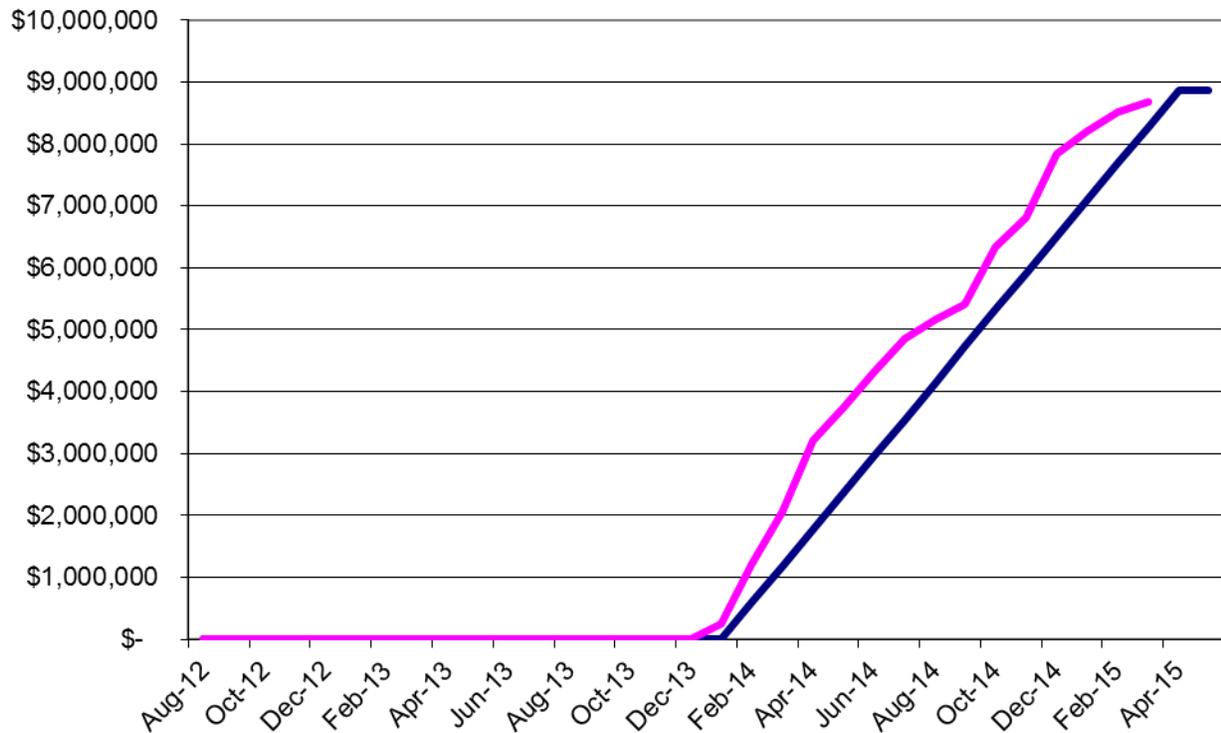
Contract Schedule Review: W.A. Rasic has met the substantial completion date of 7/31/2014 and the final completion date of 9/29/2014.

**Collection System Pump Stations Contract
Contract No. 300448.08.01.PS**

Contract Summary			
Contractor	Mtn. Cascade	Notice to Proceed Date	10/11/2012
Contract Value	\$8,676,850	Original Contract Days	860
Approved Cost Changes	\$449,308	Approved Extra Days	30
Adjusted Contract Value	\$9,126,158	Planned Substantial Completion Date	3/20/2015
Approved Payment to Date	\$8,679,757	% complete	99%

Summary of Work	Last Month	Total To Date
Major equipment installed	0	67
Generator buildings completed	0	8
Pump stations completed	0	21

Collection System Pump Stations



In the last month, Mountain Cascade worked in the following items:

- Continuing testing equipment at pump stations and generator buildings.
- Continuing final site work and revegetation at pump station sites.

In the current month, Mountain Cascade plans to proceed with the following work:

- Completing final site work and revegetation at pump station sites.

- Completing testing of pumps and other mechanical and electrical equipment.
- Achieving substantial completion of the work.

Contract Schedule Review: The Pump Stations Contract allows for 30 months of construction in order to allow for final installations after the pipeline area contracts are completed. Mountain Cascade developed a construction schedule that used 2013 to complete the material submittal and procurement process. They mobilized for construction in January 2014 in order to meet the substantial completion date of 3/20/2015.

Collection System Engineering Services

Design Services Agreement Summary			
Engineer	CDM Smith		
Fee Estimate	\$4,574,470	Agreement Approval Date	5/17/2011
Approved Additional Services	\$1,577,938	Original Planned Design and Construction Phase	30 months
Adjusted Fee	\$6,152,408	Actual Planned Design and Construction Phase	46 months
Billed to Date	\$5,946,288	% complete	98%

Construction Management Agreement Summary			
Engineer	HDR, Inc.		
Fee Estimate	\$6,891,632	Agreement Approval Date	12/13/2011
Approved Additional Services	\$2,840,642	Original Planned Construction Phase	18 months
Adjusted Fee	\$9,732,274	Actual Planned Construction Phase	30 months
Billed to Date	\$8,644,914	% complete	98%

Services Summary	Last Month	Total To Date
Memos/Letters	15	831
RFI's	7	459
Submittals	6	616
Survey Requests	0	895
Lateral change requests	0	949
Approved change orders	0	20

Public Outreach Summary	Totals
Twitter Followers	101
Website Visitors	32,934
Website Unique Visitors	18,550
e-newsletter signup	400
24/7 DigLine Calls	2,042
Phone Calls/Responses	4,367
Email Responses	1,348
Office Hour Sessions	162
House Calls	674
Other Public Contact	198

Note: The Dig Los Osos public outreach program was completed in May 2014. Public outreach data for Dig Los Osos is no longer being collected.

Water Recycling Facility Engineering Services

Design Services Agreement Summary			
Engineer	Carollo Engineers		
Fee Estimate	\$4,596,761	Agreement Approval Date	11/6/2012
Approved Additional Services	\$151,400	Original Planned Design and Construction Phase	46 months
Adjusted Fee	\$4,748,161	Actual Planned Design and Construction Phase	46 months
Billed to Date	\$4,608,424	% complete	94%

Construction Management Agreement Summary			
Engineer	HDR, Inc.		
Fee Estimate	\$3,657,254	Agreement Approval Date	6/18/2013
Approved Additional Services	\$75,600	Original Planned Construction Phase	34 months
Adjusted Fee	\$3,732,854	Actual Planned Construction Phase	34 months
Billed to Date	\$1,767,595	% complete	40%

Water Conservation Program

Water Conservation Program Summary	Last Month	Total To Date
Toilets replaced	23	3,084
Showerheads replaced	16	2,317
Faucet aerators replaced	25	3,137
Clothes washers replaced	0	80
Value of rebates issued	\$6,127	\$857,548

Budget Issues Summary

The following is a summary of budget issues or risks related to the project that are being addressed by the project team. See the attached Budget Status Report for cost through the end of last month.

1. Issue (no change from prior month): Collection System Area A&D Contract litigation

The Area A&D contractor, ARB Inc., filed litigation against the County on February 26, 2014 seeking payment for claimed damages of \$15 million. The litigation was filed prior to the completion of construction or resolution of the claims process detailed in the contract.

Approach: County staff and legal counsel are working to address the litigation and mitigate potential legal costs. Initial responses to the litigation have been filed with the court. This item is expected to be ongoing for many months as the contract is completed and the claims are resolved.

Project Cost to Date
Los Osos Wastewater Project
As Of 3/31/15

	Item Description	Budget	Costs to Date	Remaining Budget
1	County Financed Pre-Due Diligence costs (through 4/30/2011)	\$ 8,137,210	\$ 8,137,210	\$ -
2	Administration/Preliminary Engineering			
3	Carollo Engineers	\$ 174,562	\$ 167,197	\$ 7,365
4	Meyers Nave...	\$ 26,590	\$ 1,710	\$ 24,880
5	County Staff/Other Direct Costs	\$ 1,994,819	\$ 1,929,840	\$ 64,979
6	Subtotal	\$ 2,195,971	\$ 2,098,747	\$ 97,224
7	Unallocated	\$ -	\$ -	\$ -
8	Total of Administration/Preliminary Engineering	\$ 2,195,971	\$ 2,098,747	\$ 97,224
9	Environmental Permits/Mitigation			
10	Coastal San Luis RCD	\$ 30,361	\$ 6,790	\$ 23,571
11	Brownstein Hyatt Farber Schreck	\$ 90,000	\$ 76,498	\$ 13,502
12	Far Western Anthropological	\$ 921,606	\$ 741,085	\$ 180,521
13	Kevin Merk Associates	\$ 479,591	\$ -	\$ 479,591
14	Mid Town Restoration (R. Burke Construction, Inc)	\$ 400,762	\$ 400,762	\$ -
15	Rick Engineering	\$ 89,055	\$ 89,055	\$ -
16	SLO Green Build	\$ 97,075	\$ 71,414	\$ 25,661
17	SLO Starts Plant Propogation	\$ 54,871	\$ 54,871	\$ -
18	SWCA	\$ 56,539	\$ 56,539	\$ -
19	SWCA	\$ 333,549	\$ 264,702	\$ 68,847
20	APCD	\$ 250,000	\$ 157,007	\$ 92,993
21	Water Conservation	\$ 3,830,000	\$ 1,335,834	\$ 2,494,166
22	County Staff/Other Direct Costs	\$ 1,400,000	\$ 1,428,921	\$ (28,921)
23	Subtotal	\$ 8,033,408	\$ 4,683,477	\$ 3,349,932
24	Unallocated	\$ -	\$ -	\$ -
25	Total of Environmental Permits/Mitigation	\$ 8,033,408	\$ 4,683,477	\$ 3,349,932
26	Collection and Recycled Water - Design and Construction			
27	Camp Dresser & McKee	\$ 6,152,408	\$ 5,931,006	\$ 221,403
28	Cardno TBE	\$ 20,659	\$ 20,659	\$ -
29	Collection System Contract - Areas A & D	\$ 28,846,240	\$ 25,101,381	\$ 3,744,859
30	Collection System Contract - Areas B & C	\$ 32,367,500	\$ 31,709,286	\$ 658,214
31	Collection System Contract - Pump Stations	\$ 9,544,550	\$ 8,939,172	\$ 605,378
32	HDR Engineering	\$ 9,732,274	\$ 8,420,910	\$ 1,311,364
33	LOCSD 2005 Installed Pipes	\$ 772,029	\$ 772,029	\$ -
34	County Staff/Other Direct Costs	\$ 2,600,000	\$ 2,587,762	\$ 12,238
35	Subtotal	\$ 90,035,660	\$ 83,482,204	\$ 6,553,456
36	Unallocated	\$ -	\$ -	\$ -
37	Total of Collection and Recycled Water - Design and Construction	\$ 90,035,660	\$ 83,482,204	\$ 6,553,456
38	Treatment Facility - Design and Construction			
39	Carollo Engineers (Preliminary Design)	\$ 785,244	\$ 785,244	\$ -
40	Carollo Engineers (Final Design)	\$ 4,826,599	\$ 4,515,902	\$ 310,697
41	HDR Engineering	\$ 4,022,979	\$ 1,466,789	\$ 2,556,190
42	WRF Contract	\$ 50,601,814	\$ 17,134,777	\$ 33,467,037
43	County Staff/Other Direct Costs	\$ 1,100,000	\$ 998,992	\$ 101,008
44	Subtotal	\$ 61,336,636	\$ 24,901,704	\$ 36,434,932
45	Unallocated	\$ -	\$ -	\$ -
46	Total of Treatment Facility - Design and Construction	\$ 61,336,636	\$ 24,901,704	\$ 36,434,932
47	Right of Way			
48	Hamner Jewell & Associates	\$ 65,634	\$ 56,897	\$ 8,737
49	Schenberger Taylor...	\$ 66,363	\$ 50,000	\$ 16,363
50	Real Property Acquisition	\$ 2,193,000	\$ 2,247,945	\$ (54,945)
51	Price Postal Parma	\$ 130,000	\$ 105,891	\$ 24,109
52	County Staff/Other Direct Costs	\$ 415,004	\$ 417,637	\$ (2,633)
53	Subtotal	\$ 2,870,000	\$ 2,878,370	\$ (8,370)
54	Unallocated	\$ -	\$ -	\$ -
55	Total of Right of Way	\$ 2,870,000	\$ 2,878,370	\$ (8,370)
56	Subtotal of Project Costs	\$ 172,608,885	\$ 126,181,711	\$ 46,427,174
57	Contingency	\$ 3,372,522	\$ -	\$ 3,372,522
58	SRF Refinance	\$ 6,288,416	\$ 6,288,416	\$ -
59	Interest/Finance Charges	\$ 1,110,000	\$ 1,023,737	\$ 86,263
60	GRAND TOTAL	\$ 183,379,823	\$ 133,493,864	\$ 49,885,959