



Los Osos Wastewater Project Project Construction Update Month of June 2013



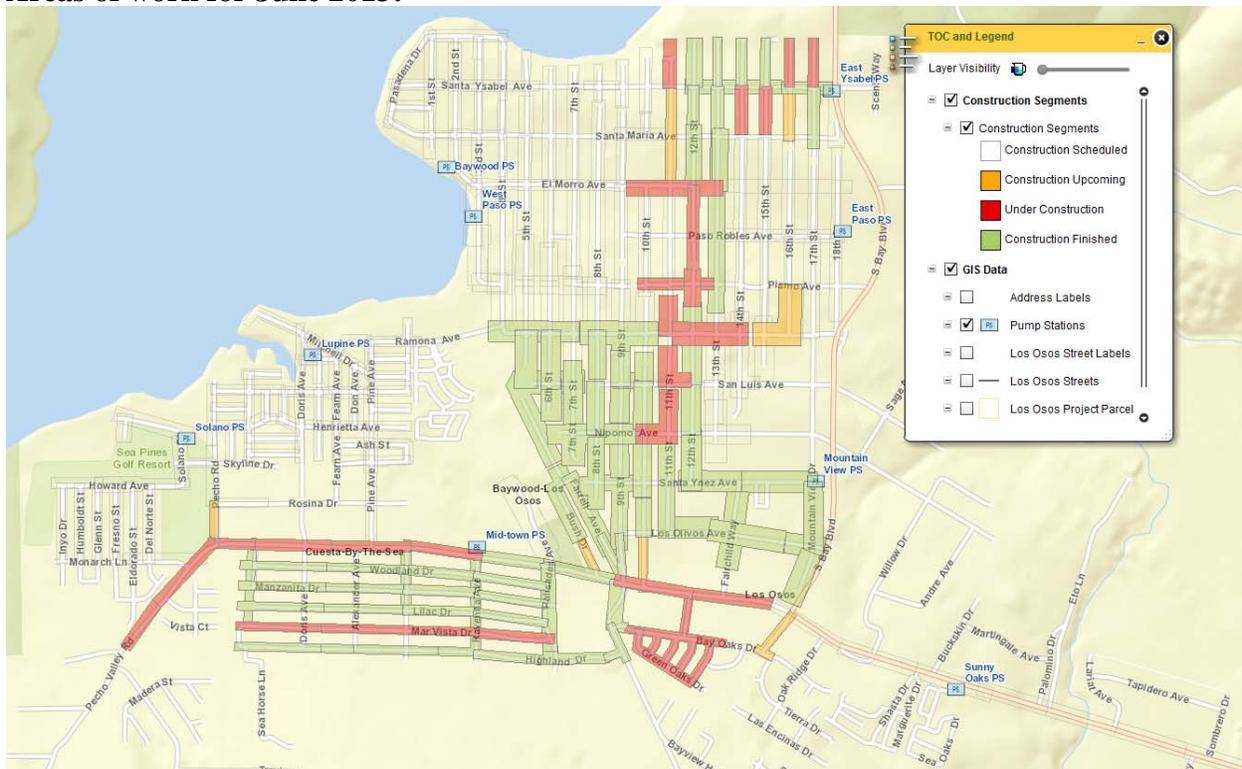
Prepared by: John Waddell, PE
Los Osos Wastewater Project Manager

Update Summary: Construction work is more than one-third complete on each the pipeline contracts. The pipeline installation work is progressing throughout the community with multiple work zones for mainline pipe installation, lateral installation and pavement restoration. Installation of pump stations is also in progress.

Notable News/Milestones: Pipeline trench dewatering begins in July, with excess shallow groundwater being used for construction purposes or returned to the ground at the Mid-Town site. Work on 9th and Ramona is being completed with final paving in July. However, Los Osos Valley Road will continue to have traffic impacts into autumn. Traffic control plans and detours have been established to minimize public inconvenience.

The Board of Supervisors received a project status update on June 18, 2013. Links to the staff report and presentation are available on the County's [project website](#).

Areas of work for June 2013:

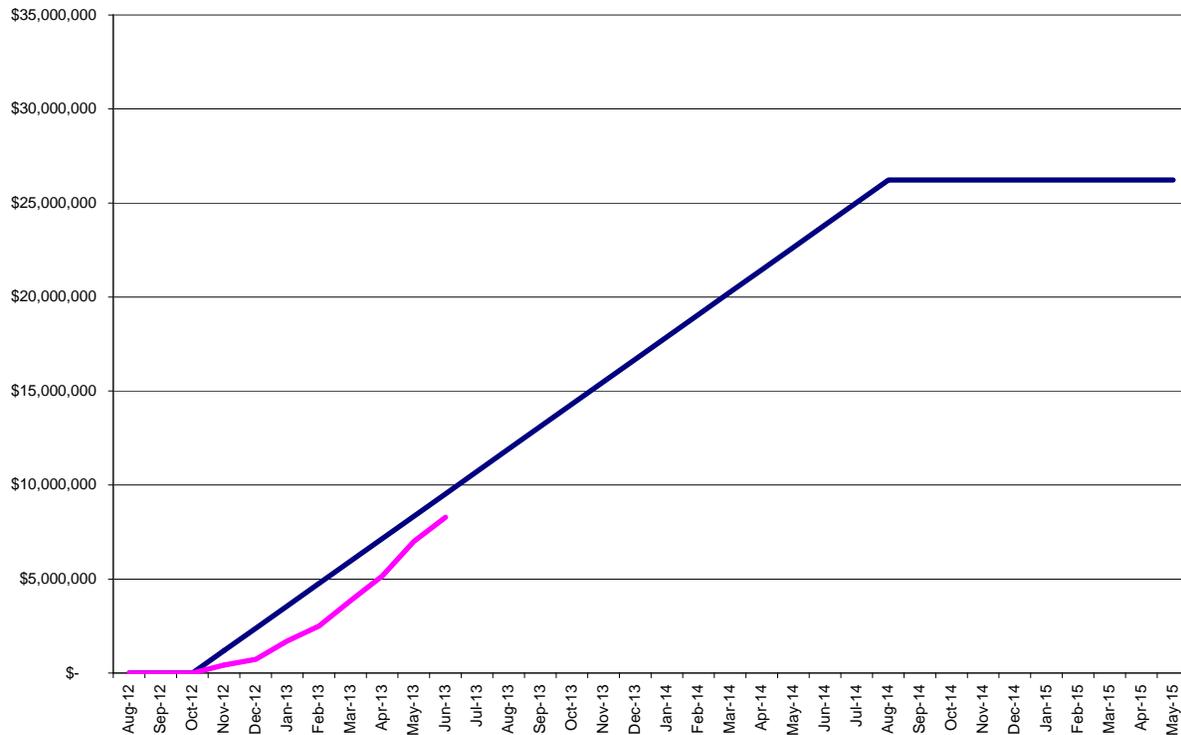


**Collection System Area A&D Contract
Contract No. 300448.08.01.AD**

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	\$26,223,855	Planned Substantial Completion Date	7/8/2014
Approved Payment to Date	\$ 8,896,152	% complete	35%

Summary of Work	Last Month	Total To Date
Blocks/Segments completed	5	45
Total feet of pipe laid	10,450	48,660
Number of laterals installed	196	762

Collection System Area A&D



In the last month, ARB worked in the following areas:

- Installing sewer mains and laterals in the general of 10th and 11th Streets from Nipomo to El Morro.
- Installing sewer mains and laterals on streets around Baywood Elementary School to complete work during the summer break.
- Installing sewer mains and laterals on side streets off Santa Ysabel from 11th to 18th, as far south as Pismo Avenue.

- Installing pump station wet wells at various locations.
- Completing lateral installation and pavement restoration behind sewer main installation.

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

- Continuing pipeline installation progress northward through Area D.
- Completing final road restoration on Ramona Ave. between 9th and 4th Streets.
- Install sewer mains, laterals and paving on 11th Street from Nipomo to El Morro.
- Begin trench dewatering operations on 4th and 3rd Streets.

Contract Schedule Review: ARB is utilizing five pipeline installation crews, several lateral and paving crews, plus a dedicated pump station crew. Based on the current schedule status they are anticipated to meet the substantial completion date of 7/8/2014.

Pictures



Sewer lateral installation



Pump station wet well installation



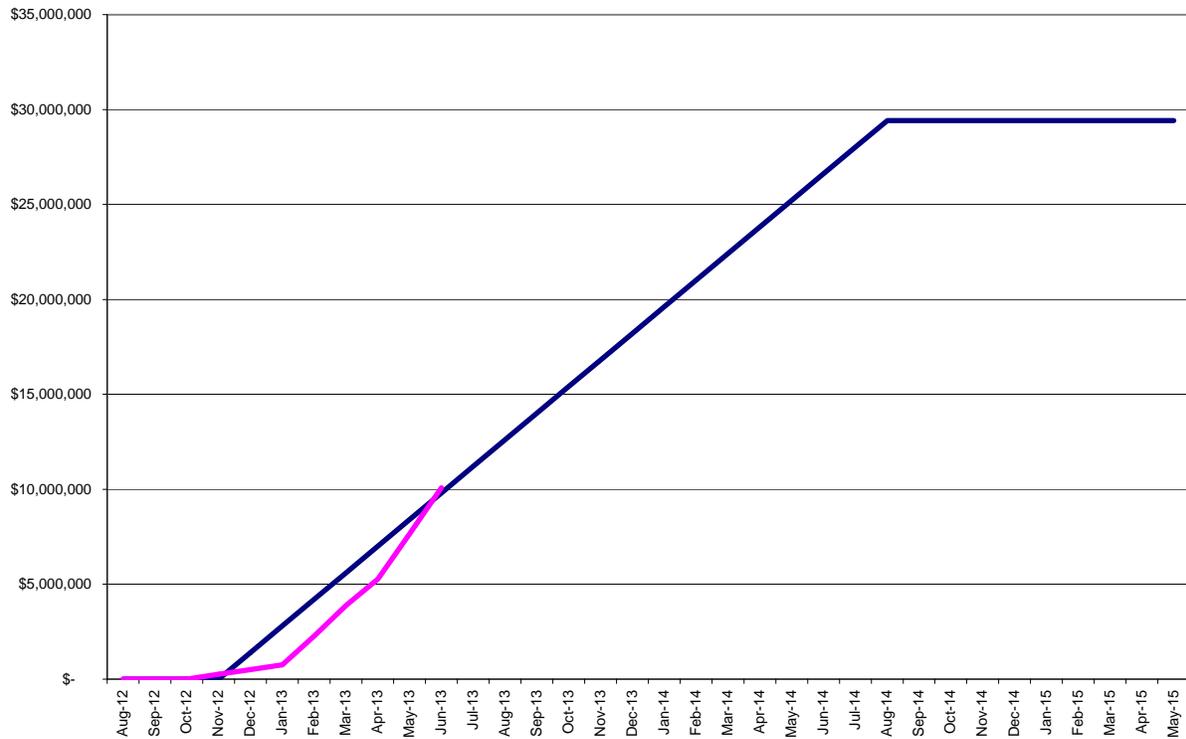
Waterproofing of pump station wet well

**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	\$0	Approved Extra Days	0
Adjusted Contract Value	\$29,425,000	Planned Substantial Completion Date	7/1/2014
Approved Payment to Date	\$10,079,683	% complete	36%

Summary of Work	Last Month	Total To Date
Blocks/Segments completed	10	35
Total feet of pipe laid	7,800	43,000
Number of laterals installed	215	605

Collection System Area B&C



In the last month, W.A. Rasic worked in the following areas:

- Completing laterals and paving throughout the Mar Vista and Highland area.
- Installing leachfields at the Broderson site.
- Installing sewer main and laterals on Los Osos Valley Road, west of Pine Ave.
- Installing sewer mains and laterals in the area of Bayview Heights area.

In the current month, W.A. Rasic plans to proceed with the following work:

- Complete laterals and pavement restoration in the Bayview Heights area.
- Installing recycled water main on Los Osos Valley Road, west of Pine Ave.
- Installing sewer mains on Los Osos Valley Road in the business district progressing east from 9th Street.
- Complete installation of the Broderson leachfields.

Contract Schedule Review: W.A. Rasic is utilizing two pipeline installation crews, separate lateral and paving crews, plus a dedicated crew working on the Broderson leachfields. Based on current schedule status they are anticipated to meet the substantial completion date of 7/1/2014.

Pictures



Preparing for pavement restoration on Los Osos Valley Road

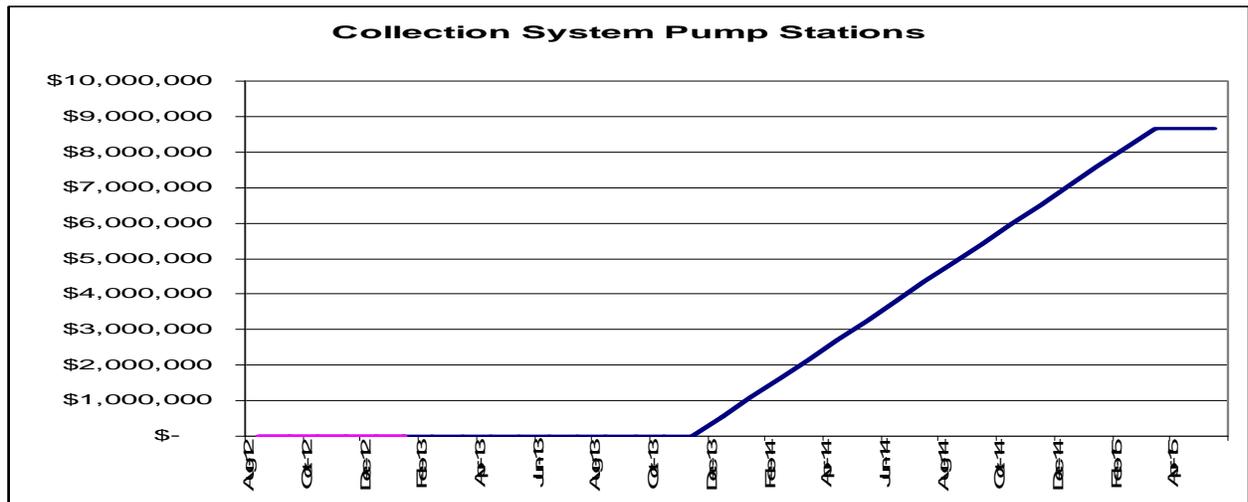


Waterproofing of pump station wet well

**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	\$0	Approved Extra Days	0
Adjusted Contract Value	\$8,676,850	Planned Substantial Completion Date	2/18/2015
Approved Payment to Date	0	% complete	0

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



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 is currently developing their construction schedule and submittals, and anticipates that less than 12 months of actual construction will be required to complete the scope of work. As a result, they plan to use 2013 to complete the material submittal and procurement process and mobilize for construction in early 2014 in order to meet the substantial completion date of 2/18/2015.

Collection System Engineering Services during Construction

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	\$4,913,587	% complete	74%

Construction Management Agreement Summary			
Engineer	HDR, Inc.		
Fee Estimate	\$6,891,632	Agreement Approval Date	12/13/2011
Approved Additional Services	\$0	Original Planned Construction Phase	18 months
Adjusted Fee	\$6,891,632	Actual Planned Construction Phase	30 months
Billed to Date	\$3,657,306	% complete	28%

Services Summary	Last Month	Total To Date
Memos/Letters	40	359
RFI's	29	243
Submittals	7	295
Survey Requests	71	492
Lateral change requests	40	658
Pending change orders	0	6

Public Outreach Summary	Last Month	Total To Date
Twitter Followers	5	75
Website Visitors	1,893	17,627
Website Unique Visitors	970	8,900
e-newsletter signup	15	249
24/7 DigLine Calls	116	1,150
Phone Calls/Responses	245	2,438
Email Responses	95	601
Office Hour Sessions	12	85
House Calls	32	413
Other Public Contact	10	126

Water Recycling Facility

Design Services Agreement Summary			
Engineer	Carollo Engineers		
Fee Estimate	\$3,221,432	Agreement Approval Date	11/6/2012
Approved Additional Services	\$0	Planned Final Design Phase Completion	August 2013
Adjusted Fee	\$3,221,432	Planned Bidding Phase Completion	November 2013
Billed to Date	\$2,183,292	% complete	68%

Water Conservation Program

Water Conservation Program Summary	Last Month	Total To Date
Toilets replaced	260	1,121
Showerheads replaced	218	1,037
Faucet aerators replaced	327	1,512
Clothes washers replaced	2	10
Value of rebates issued	\$74,418	\$322,090

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: Construction Manager and Designer engineering agreement amendments

The scope of work for both the Construction Manager and Designer is required to continue throughout the duration of the construction contracts. The planned schedule in each engineering agreement is significantly shorter than the actual construction schedule in the approved contracts for the collection system. Additionally, both the Construction Manager and Designer are incurring additional costs, beyond the scope in the agreement, due to the large number of lateral change requests and unforeseen utilities.

Approach (no change from prior month): Agreement amendments will be required for both the Construction Manager and Designer to address the additional costs for the increased effort and longer construction schedule in order to continue their work through the end of the collection system construction. An agreement amendment with the Designer was approved by the Board on June 18, 2013. An amendment with the Construction Manager is being processed for Board approval at a future meeting.

2. Issue: Trench restoration paving

The total contract price is based on estimated quantities of various bid items, including road base and asphalt for restoring pipeline trenches. To date, the actual repair widths of trenches required to install the pipelines has been approximately 50% greater than

anticipated. In limited locations, the poor or thin condition of existing pavement has resulted in the need for repaving the full road width. The repairs are paid for at contract unit prices for base and asphalt. However, the total amount for these bid items will likely exceed the estimates in the original contract price.

Approach (no change from prior month): Multiple approaches are being developed to track and address this issue, which include reduces thickness of base and asphalt, negotiated unit cost reductions, utilization of County Roads forces to complete some repairs, and cost sharing from the Roads fund for restoration that provides additional road benefits beyond what is required to restore trenches. This item is ongoing and resolution is not time sensitive.

3. Issue: Water Recycling Facility storage ponds

Planning level concepts for the treatment plant site included ponds with 50 acre-feet of recycled water storage, which was included in the project Coastal permit application. The final permit conditions have constrained the plant and storage pond footprint to a relatively small and sloping area. The preliminary 20% design identified that a much greater amount of earthwork will be required to construct ponds with 50 acre-feet of capacity at a cost of several million dollars more than anticipated.

Approach (updated from prior month): The water recycling facility design team has completed the 90% design of the facility. The planned storage volume of 37 acre-feet is optimized for the existing site conditions and provides adequate storage for initial flows and some new development. The reduced volume of the ponds will be less costly than the 50 acre-foot alternative, however the earthwork volumes and costs will still be a significant factor in the overall facility construction. The overall construction cost estimates for the water recycling facility, based on the 60% design, are \$41 million, and cost estimates are being revised and updated for the final design.

Exhibit A
Project Cost Estimates
Los Osos Wastewater Project
As Of 5/31/13

	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	\$ 164,967	\$ 9,595
4	Meyers Nave...	\$ 26,590	\$ 1,650	\$ 24,940
5	County Staff/Other Direct Costs	\$ 1,744,819	\$ 992,853	\$ 751,966
6	Subtotal	\$ 1,945,971	\$ 1,159,471	\$ 786,500
7	Unallocated	\$ -	\$ -	\$ -
8	Total of Administration/Preliminary Engineering	\$ 1,945,971	\$ 1,159,471	\$ 786,500
9	Environmental Permits/Mitigation			
10	Coastal San Luis RCD	\$ 30,361	\$ 6,790	\$ 23,571
11	Brownstein Hyatt Farber Schreck	\$ 25,000	\$ 23,918	\$ 1,082
12	Far Western Anthropological	\$ 921,606	\$ 286,237	\$ 635,369
13	Mid Town Restoration (R. Burke Construction, Inc)	\$ 414,833	\$ 400,762	\$ 14,071
14	Rick Engineering	\$ 89,055	\$ 89,055	\$ -
15	SLO Green Build	\$ 97,075	\$ 41,683	\$ 55,392
16	SLO Starts Plant Propogation	\$ 54,871	\$ 54,871	\$ -
17	SWCA	\$ 56,539	\$ 56,539	\$ 0
18	SWCA	\$ 333,549	\$ 117,405	\$ 216,144
19	Water Conservation	\$ 3,830,000	\$ 411,049	\$ 3,418,951
20	County Staff/Other Direct Costs	\$ 1,400,000	\$ 956,489	\$ 443,511
21	Subtotal	\$ 7,252,889	\$ 2,444,797	\$ 4,808,092
22	Unallocated	\$ -	\$ -	\$ -
23	Total of Environmental Permits/Mitigation	\$ 7,252,889	\$ 2,444,797	\$ 4,808,092
24	Collection and Recycled Water - Design and Construction			
25	Camp Dresser & McKee	\$ 6,152,430	\$ 4,464,430	\$ 1,688,000
26	Cardno TBE	\$ 20,659	\$ 20,659	\$ -
27	Collection System Contract - Areas A & D	\$ 28,846,240	\$ 7,361,705	\$ 21,484,535
28	Collection System Contract - Areas B & C	\$ 32,367,500	\$ 8,053,622	\$ 24,313,878
29	Collection System Contract - Pump Stations	\$ 9,544,550	\$ -	\$ 9,544,550
30	HDR Engineering	\$ 7,686,295	\$ 2,595,967	\$ 5,090,328
31	County Staff/Other Direct Costs	\$ 2,600,000	\$ 1,409,612	\$ 1,190,388
32	Subtotal	\$ 87,217,674	\$ 23,905,996	\$ 63,311,678
33	Unallocated	\$ 16,224,326	\$ -	\$ 16,224,326
34	Total of Collection and Recycled Water - Design and Construction	\$ 103,442,000	\$ 23,905,996	\$ 79,536,004
35	Treatment Facility - Design and Construction			
36	Carollo Engineers (Preliminary Design)	\$ 942,669	\$ 785,244	\$ 157,425
37	Carollo Engineers (Final Design)	\$ 3,382,504	\$ 1,129,971	\$ 2,252,533
38	HDR Engineering	\$ 4,022,979	\$ -	\$ 4,022,979
39	County Staff/Other Direct Costs	\$ 750,000	\$ 195,675	\$ 554,325
40	Subtotal	\$ 9,098,152	\$ 2,110,890	\$ 6,987,262
41	Unallocated	\$ 27,012,008	\$ -	\$ 27,012,008
42	Total of Treatment Facility - Design and Construction	\$ 36,110,160	\$ 2,110,890	\$ 33,999,270
43	Right of Way			
44	Hamner Jewell & Associates	\$ 65,634	\$ 56,857	\$ 8,777
45	Schenberger Taylor...	\$ 66,363	\$ 50,000	\$ 16,363
46	Real Property Acquisition	\$ 2,220,000	\$ 1,356,018	\$ 863,982
47	Price Postal Parma	\$ 80,000	\$ 60,826	\$ 19,174
48	County Staff/Other Direct Costs	\$ 368,004	\$ 336,370	\$ 31,634
49	Subtotal	\$ 2,800,000	\$ 1,860,070	\$ 939,930
50	Unallocated	\$ -	\$ -	\$ -
51	Total of Right of Way	\$ 2,800,000	\$ 1,860,070	\$ 939,930
52	Subtotal of Project Costs	\$ 159,688,230	\$ 39,618,433	\$ 120,069,797
53	Contingency	\$ 6,311,770	\$ -	\$ 6,311,770
54	SRF Refinance	\$ 6,288,416	\$ 6,288,416	\$ -
55	Interest/Finance Charges	\$ 1,110,000	\$ 1,058,818	\$ 51,182
56	Approved Project Budget (May 17, 2011)	\$ 173,398,416	\$ 46,965,667	\$ 126,432,749