

TO: BOARD OF DIRECTORS
FROM: MICHAEL LEBRUN *ML*
DATE: APRIL 23, 2010



WATERLINE INTERTIE PROJECT UPDATE

ITEM

Mike Nunley of AECOM Engineering re Waterline Intertie project status [NO ACTION REQUESTED].

BACKGROUND

Mike Nunley is scheduled to summarize the attached report.

RECOMMENDATION

Staff recommends that your Honorable Board receive the presentation and ask questions as appropriate.

ATTACHMENTS

- April 21, 2010 WIP Design Phase Status Report

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Memorandum

To Michael LeBrun, Interim General Manager – NCSD Page 1

CC Peter Sevcik, Jon Hanlon, Josh Reynolds, Jim Froelicher, Eileen Shields,
Kirk Gonzalez

Subject Waterline Intertie Project – Design Phase Status Report

From Michael K. Nunley, AECOM

Date April 21, 2010

The Project Team has completed the following work items this month:

1. AECOM continued work towards Bid Package #2 (Nipomo Area Improvements) draft final submittal. We have coordinated with the District's arborist for review of the planned pipeline alignment for this bid package, per the EIR Mitigation Measures.
2. AECOM continued work toward the Bid Package #4 (Pump Station, Reservoir, and Chloramination Systems) 90% submittal.
3. Wallace Group and AECOM are preparing the map and application to the County for creation of a Public Lot for the booster pump station and reservoir site, and working on legal descriptions for the project easements property negotiations.

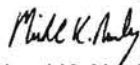
Schedule

The Project Schedule is attached.

Budget Status

As shown on the attached Design Budget and Invoice Summary, our fee earned is slightly ahead of the work completed under Task 3.

Yours Sincerely



Michael K. Nunley, PE

Enclosures: Design Budget & Invoice Summary; Project Budget Summary; Project Schedule

Project Budget Summary

3/17/2010

Engineering Services for NCSD - SWP Design

Nipomo CSD

	Total Budget	Amount Previously Invoiced	Current Invoice Amount	% of Budget Earned to date	% of Work Complete
Task Group 1 - Concept Design Report	\$441,553.65	\$427,415.85	\$5,790.96	98%	98%
Task Group 2 - Permitting	\$38,545.92	\$30,651.03	\$1,028.70	82%	82%
Task Group 3 - Construction Documents	\$442,933.43	\$433,455.18	\$0.00	98%	92%
Task Group 4 - Project Management	\$82,869.68	\$59,045.24	\$0.00	71%	71%
Task Group 5 - Assistance During Bids	\$48,942.36	\$0.00	\$0.00	0%	0%
Task Group 6 - Office Engineering During Construction (5 Bid Packages)	\$175,836.96	\$2,431.46	\$0.00	1%	1%
Total	\$1,230,682.00	\$952,998.76	\$6,819.66	78%	76%

	Amount Previously Invoiced	Current Invoice Amount	Total Permitting Fees to date
Permitting Fees	\$6,573.01	\$0.00	\$6,573.01

Item	Description	Budgeted Amount May 2008 PER	Updated Amount 17-Mar-09	Updated Amount 22-Apr-09 Concept Design Report	Updated Amount Dec-09 60% Design Plans
1	Mobilization	\$580,000	\$580,000	\$607,000	\$706,800
2	Blosser Extension (18-in)	\$1,247,000	\$1,247,000	\$1,129,000	\$1,148,800
3	Pump Station No. 1 turnout & meter (Blosser Rd)	\$61,000	\$61,000	\$159,000	\$189,400
4	River Crossing (24-in HDD & levee jack & bore)	\$6,135,000	\$6,135,000	\$5,482,500	\$5,414,200
5	24-in Pipeline to Joshua	\$656,000	\$656,000	\$400,000	\$399,500
6	Reservoir (0.5-MG)	\$1,361,000	\$1,361,000	\$1,365,000	\$1,364,700
7	Pump Station No. 2	\$603,000	\$603,000	\$1,572,500	\$1,512,300
8	Pressure Regulators (200 homes)	\$30,000	--	--	--
9	Pressure Reducing Valve Stations	\$18,000	\$72,000	\$243,000	\$290,100
10	Chloramination (Joshua & 5 wellheads)	\$707,000	\$707,000	\$739,500	\$739,200
11	Upgrade Southland to 12-in	\$799,500 (1)	\$780,000 (7)	\$949,000	\$826,900
12	Upgrade Frontage to 12-in	\$1,161,300 (1)	\$880,000 (7)	\$957,000	\$958,600
13	Upgrade Orchard to 12-in	\$509,000	\$1,040,000 (8)	\$1,103,500	\$1,200,800
14	Upgrade Division to 10-in between Allegra and Meridian (6)	\$53,000	--	--	--
15	Oak Glen Avenue 12-in main (5)	--	\$420,000	\$457,000	\$472,600
16	Darby Lane 12-in main (5)	--	\$100,000	\$153,000	\$114,100
17	HWY 101 Bore & Jack (6)	--	\$132,000	\$241,000	\$228,700
18	Isolation Valves (6)	--	\$12,000	\$12,000	\$12,000
19	Pump Station All Weather Access Road	--	--	\$128,000	\$127,500
20	Pipe Cleaning Launch Station Stub Out (Blosser Rd)	--	--	--	\$20,400 (13)
Construction Subtotal		\$13,860,800	\$14,786,000	\$15,577,000	\$15,705,600
21	Contingency	\$3,643,000	\$3,696,500 (9)	\$3,115,400 (11)	\$3,141,120
Construction Subtotal + Contingency		\$17,503,800	\$18,482,500	\$18,692,400	\$18,846,720
22	Property Allowance	<i>not included</i> (4)	<i>not included</i> (4)	\$500,000 (4)	\$278,964 (4) (14)
Design Phase Engineering					
Original Agreement (July 2008)			\$744,993	\$744,993	\$744,993
Budget Revision 1 - Pressure Reduction			\$132,798	\$132,798	\$132,798
Budget Revision 2 - Biological Survey for HDD			\$4,050	\$4,050	\$4,050
Budget Revision 3 - Modeling for GSW/Woodlands Turnouts			\$8,380	\$8,380	\$8,380
Budget Revision 4 - Additional Survey Services			\$9,900	\$9,900	\$9,900
Budget Revision 5 - Utility Investigation (Potholing)			--	--	\$8,883
Budget Revision 6 - Additional Property Research			--	--	\$405
Budget Revision 7 - PIG&E Savings by Design support			--	--	\$4,164
Budget Revision 8 - 60% Design Budget Update			--	--	\$140,872
Office Engineering during construction			\$176,837	\$176,837	\$176,837
24	Office Engineering during construction	\$2,428,000 (2)	\$1,507,170 (10)	\$1,507,170 (10)	\$1,507,170 (10)
25	Estimated Construction Management (3)	--	\$1,573	\$1,573	\$8,173
26	Permitting Fees To Date	--	<i>not included</i>	\$1,402,879 (12)	\$1,705,009 (12)(16)
27	Non-Final Design Funds Spent To Date	<i>not included</i>	<i>not included</i>	\$415,420 (12)	\$300,000 (12)(16)
28	Estimated Other Costs (Assessment, etc)	<i>not included</i>	<i>not included</i>	<i>not included</i>	\$76,000 (16)(17)
29	Public Outreach	<i>not included</i>	<i>not included</i>	<i>not included</i>	--
WATERLINE PROJECT TOTAL (Rounded to 1000)		\$19,932,000 (4)	\$21,068,000	\$23,598,000	\$23,951,000
FRONTAGE RD SEWER TOTAL (Rounded to 1000)					
A	Frontage Road Sewer Replacement	--	--	\$1,239,500 (A)	\$1,856,600 (A) (B)
B	Sewer Contingency	--	--	\$247,900 (A)	\$331,720 (A)
FRONTAGE RD SEWER TOTAL (Rounded to 1000)				\$1,487,400 (A)	\$1,991,000 (A)

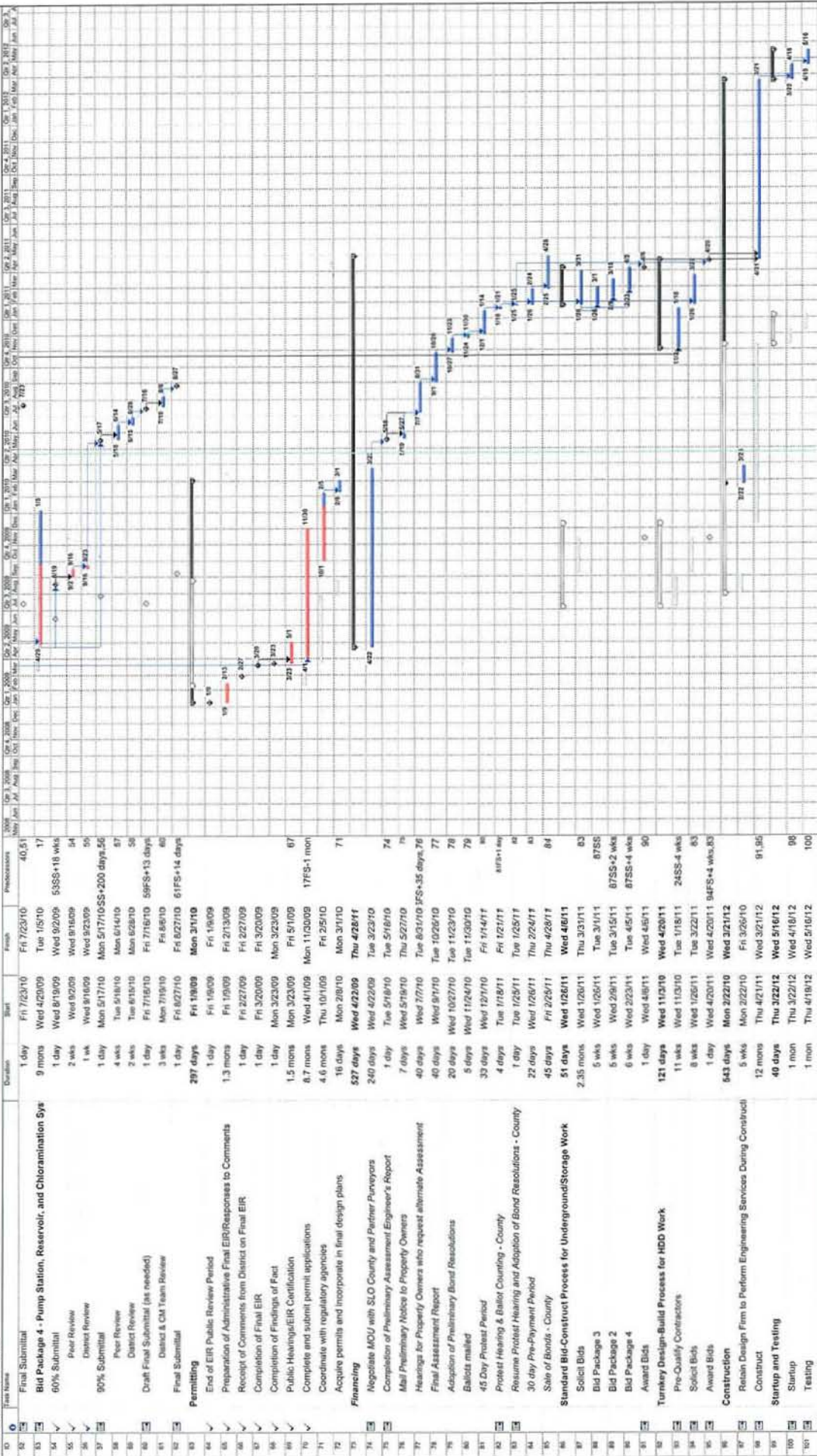
Notes:

- ENR CCI: March 2008 = 8109
- (1) Costs are from the December 2007 Water and Sewer Master Plan (Cannon)
- (2) Engineering and Construction Management were originally presented as a "lump sum" amount
- (3) Includes material testing, construction staking, and environmental monitoring
- (4) Estimate only. Property allowance not included prior to April 2009 estimate.
- (5) These work items were added to relieve high pressures on Mesa as an alternative to service pressure regulating valves (See Tech Memo 9). One PRV station at Maria Vista was required initially. Four are recommended for revised project. This was design Budget Revision #1.
- (6) Based on review of record drawings, this pipeline is already a 10-in main
- (7) Initial estimate incorporated Master Plan project costs. Revised estimate includes higher unit costs to reflect paving 1 traffic lane, per County standards
- (8) Updated unit costs include higher costs to reflect paving 1 traffic lane, per County standards
- (9) Contingency was modified to 25% which is more appropriate for concept design phase.
- (10) To be provided by CMA team - Has not been revised to reflect additional work for construction management of Oak Glen, Darby, and Orchard extensions.
- (11) Contingency was modified to 20% which is more appropriate for 30% design phase.
- (12) Estimate provided by District staff.
- (13) Item added during 60% design for potential future pipe cleaning launch station. Cost for potential future receiving station was added to line item #7 (pump station).
- (14) Reduced at 12/9/2009 Board Meeting.
- (15) Added to January 2010 cost opinion per District
- (16) Estimate updated by District staff 4/21/10.
- (17) Updated based on Board action on 3/24/10.
- not included* = Item was not included in previous construction cost opinions, but was added to provide a complete assessment of anticipated project costs.
- (A) Frontage Road Sewer to be Part of Bid Package #2, but to be paid for out of funds separate from the Supplemental Water Project
- (B) Includes 1100 LP of 24-in sewer and manholes from Southland Street to WWTP Lift Station, which was not previously included in project scope.

Print Date: Wed 4/21/10

NCSD WATERLINE INTERTIE PROJECT - Wed 4/21/10

ID	Task Name	Duration	Start	Finish	Predecessors
1	Kickoff meeting	1 day	Wed 7/16/08	Wed 7/16/08	
2	Right of Entry Agreements and Coordination	63 days	Thu 7/17/08	Mon 10/13/08	
3	Permitting and Approvals for Field Work at River	67 days	Thu 7/17/08	Fri 10/17/08	
4	Concept Design Report	234 days	Thu 7/17/08	Tue 9/9/09	
5	101 - Geotechnical Report for HDD Technical Memorandum	2.5 mons	Tue 11/18/08	Mon 12/29/08	
6	102 - Project Bidding Strategy Technical Memorandum	1.15 mons	Mon 10/20/08	Wed 11/18/08	
7	103 - Pipeline Alignment Technical Memorandum	102 days	Mon 10/13/08	Tue 3/3/09	
8	104 - Pump Station Design Technical Memorandum	2.45 mons	Tue 12/23/08	Mon 3/16/09	
9	105 - Reservoir Design Technical Memorandum	2.45 mons	Tue 12/23/08	Mon 3/16/09	
10	106 - Permitting Strategy Technical Memorandum	5.25 mons	Mon 11/2/09	Fri 6/5/09	
11	107 - Chloramination Systems Technical Memorandum	1.4 mons	Mon 10/13/08	Wed 11/19/08	
12	108 - Back-up Power, Controls, and Instrumentation Technical Memorandum	1 mon	Tue 2/17/09	Mon 3/16/09	
13	109 - Pressure Reduction Study	1 mon	Thu 7/17/08	Wed 8/13/08	
14	110 - Survey and Base Map (by Wallace Group)	4.7 mons	Tue 9/2/08	Fri 7/9/09	
15	111 - Geotechnical Report (by Frigo)	3 mons	Mon 10/20/08	Fri 1/9/09	
16	112 - Draft Concept Report	1 day	Tue 3/3/09	Tue 3/3/09	
17	113 - Review and Finalize Concept Design Report	1 mon	Wed 4/1/09	Tue 4/28/09	
18	114 - Narrative Report	1 mon	Wed 5/13/09	Tue 6/9/09	
19	Construction Plans and Specifications	483 days	Wed 4/29/09	Fri 3/4/11	
20	Bid Package 1 - HDD	10 mons	Wed 4/29/09	Tue 2/2/10	
21	60% Submittal	1 day	Wed 6/10/09	Wed 6/10/09	
22	Peer Review	2 wks	Thu 6/11/09	Wed 6/24/09	
23	District Review	1 wk	Thu 6/25/09	Wed 7/1/09	
24	90% Submittal (Tied to Prequalification of Contractors)	1 day	Wed 12/1/10	Wed 12/1/10	
25	Peer Review	4 wks	Wed 12/29/10	Wed 1/26/11	
26	District Review	2 wks	Thu 1/20/11	Wed 1/27/11	
27	Draft Final Submittal (as needed)	1 day	Thu 1/27/11	Thu 1/27/11	
28	District & CM Team Review	3 wks	Fri 1/28/11	Thu 2/17/11	
29	Final Submittal	1 day	Fri 3/4/11	Fri 3/4/11	
30	Bid Package 2 - NCSD System Pipeline Improvements	6.25 mons	Wed 4/29/09	Tue 12/15/09	
31	60% Submittal	1 day	Wed 7/22/09	Wed 7/22/09	
32	Peer Review	2 wks	Thu 8/6/09	Wed 8/5/09	
33	District Review	1 wk	Thu 8/6/09	Wed 8/12/09	
34	90% Submittal	1 day	Wed 10/7/09	Wed 10/7/09	
35	Peer Review	4 wks	Thu 10/8/09	Wed 11/4/09	
36	District Review	2 wks	Thu 11/5/09	Wed 11/18/09	
37	Draft Final Submittal	1 day	Fri 4/30/10	Fri 4/30/10	
38	District & CM Team Review	3 wks	Mon 5/9/10	Fri 5/21/10	
39	Final Submittal	1 day	Tue 6/8/10	Tue 6/8/10	
40	Bid Package 3 - Blosser Road Water Main and Flow Meter	6.75 mons	Wed 4/29/09	Tue 11/3/09	
41	60% Submittal	1 day	Wed 7/9/09	Wed 7/9/09	
42	Peer Review	2 wks	Thu 7/9/09	Wed 7/22/09	
43	District Review	1 wk	Thu 7/23/09	Wed 7/29/09	
44	90% Meter & FCV Vault Plans	1 day	Mon 2/1/10	Mon 2/1/10	
45	District Review	2 wks	Tue 2/2/10	Mon 2/15/10	
46	City Review	2 wks	Tue 2/16/10	Mon 3/1/10	
47	90% Submittal	1 day	Fri 3/12/10	Fri 3/12/10	
48	Peer Review	4 wks	Mon 3/15/10	Fri 4/9/10	
49	District Review	2 wks	Mon 4/12/10	Fri 4/23/10	
50	Draft Final Submittal (as needed)	1 day	Mon 5/10/10	Mon 5/10/10	
51	District & CM Team Review	3 wks	Tue 9/11/10	Mon 9/27/10	



Task	Milestone	Meeting	Summary	Planning	Design	Construction	Testing
Milestone	Meeting	Summary	Planning	Design	Construction	Testing	
Milestone	Meeting	Summary	Planning	Design	Construction	Testing	

Milestone
 Meeting
 Summary
 Planning
 Design
 Construction
 Testing

TO: BOARD OF DIRECTORS
FROM: MICHAEL LEBRUN *ML*
DATE: APRIL 23, 2010



MONTHLY SUPERINTENDENT UPDATE

ITEM

NCSD Facilitates Superintendent Tina Grietens re Update recent Operations Activities [NO ACTION REQUESTED].

BACKGROUND

Tina Grietens is scheduled to summarize the attached outline.

RECOMMENDATION

Staff recommends that your Honorable Board receive the presentations and ask questions as appropriate.

ATTACHMENTS

- Operations Report

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LISA BOGNUA, ASSISTANT GENERAL MANAGER
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TO: MICHAEL LEBRUN, INTERIM GENERAL MANAGER
FROM: TINA GRIETENS, UTILITY SUPERINTENDENT
DATE: APRIL 21, 2010
SUBJECT: UTILITY DIVISION UPDATE FOR MARCH 17- APRIL 21, 2010

Southland Wastewater Plant and Utility Yard

- Problems with rags entering system reduced, Dissolved Oxygen levels back to normal
- APCD annual inspection of both Wastewater Treatment Plants

Collection system

- Met with SLO City Collections System Supervisor to set up training for NCSD staff
- Staff member worked with SLO employees -training for VacCon
- Jetted sagging sewer line at Blacklake Golf Course
- Training and Lift Station cleaning with VacCon
- Stocking spare parts for Lift Station controls

Distribution System

- Via Concha well pulled, repair estimate pending
- Preparation for Sundale well start up 3/30/10
- Preparing for Quad tank rehabilitation
- Evaluating valves for future replacement

Maintenance

- Weed whipping and mowing District facilities
- Vehicle and equipment safety checklists added to Preventive Maintenance Program
- Replacing meters (avg 30/month), angle stops replaced (approx 2-4/week), air vacs rebuilt and canisters replaced

Compliance

- Reviewing sampling schedule, lab analyses results; preparing compliance reports for WWTPs

Personnel

- Hired Aaron Hughes for Utility Worker position; First day at NCSD: 4/19/10
- Ongoing training for new employees

Other

- Budget Preparation; Strategic Plan Review,
- Working with District Engineer on District Projects
- AWWA Webcast participation: "Increasing Need for Water Loss Control"