

TO: BOARD OF DIRECTORS

FROM: DON SPAGNOLO
GENERAL MANAGER



DATE: OCTOBER 19, 2010

AGENDA ITEM

C-1

OCTOBER 27, 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

- October 2010 WIP Design Phase Status Report

Memorandum

To Don Spagnolo, 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 October 20, 2010

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

1. The SLO County Planning Commission and the SLO County Subdivision Review Board approved the public lot application at the October meetings.
2. AECOM and District staff completed the 90% design level project cost opinion (attached).
3. AECOM continued work with District staff, Hamner Jewell and Associates, and Wallace Group on easement legal descriptions.
4. AECOM and District staff continued work on the front end contract documents.

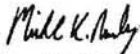
Schedule

The Project Schedule is attached and has been updated to reflect the current project status.

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: Permits & Status; Design Budget & Invoice Summary; Project Budget Summary;
Project Schedule

Nipomo Community Services District
 Waterline Intertie Project
 Permit Status

updated:

8/17/2010

Permitting Agency	Permit	Status	Issue Date	Expiration Date	Notes
CalTrans	Encroachment	Received	7/1/2010	12/30/2011	BP2 Hwy 101 Xing
CalTrans	Encroachment	Contractor to apply			"Dual Permit"
SLO County	Encroachment				BP2 - NCSD to submit for draft conditions
SLO County	Encroachment	Contractor to apply			
City of Santa Maria	Encroachment	Contractor to apply			BP3
CA Fish & Game	Streambed Alteration Agreement	Negotiating conditions			Project team provided comments on draft permit & requested mtg with CDFG
ACOE	404 & other permits	Received exemption	3/25/2010		
DOSH (OSHA)	Tunnel Classification	Received	3/22/2010; 3/30/2010	NA	2 jack & bore locations in BP3
DOSH (OSHA)	Excavations > 5 ft	Contractor to apply			
DOSH (OSHA)	Certification of safety Reps for tunneling	Contractor to apply			
SLO APCD	Authority to Construct / Permit to Operate	NCSD to apply			apply at start of bid phase
SLO APCD	Naturally Occuring Asbestos	Received exemption	11/2/2009		
RWQCB	Notice of Intent to Discharge	NCSD to file			NPDES/ Stormwater General Permit
RWQCB	SWPPP	Contractor to complete			
CDPH	Water Supply Permit Amendment	NCSD to file (min 4 mo. Prior to WIP startup)			AECOM working with DPHS for preliminary comments on 90% design

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	Updated Amount Oct-10 90% Design Plans
1 Mobilization	\$580,000	\$580,000	\$607,000	\$706,800	\$677,000
2 Blosser Extension (18-in)	\$1,247,000	\$1,247,000	\$1,129,000	\$1,148,800	\$1,136,100
3 Pump Station No. 1 turnout & meter (Blosser Rd)	\$61,000	\$61,000	\$158,000	\$166,400	\$173,000
4 River Crossing (24-in HDD & levee jack & bore)	\$6,135,000	\$6,135,000	\$5,462,500	\$5,414,200	\$5,408,900
5 24-in Pipeline to Joshua	\$656,000	\$656,000	\$400,000	\$399,500	\$492,600
6 Reservoir (0.5-MG)	\$1,361,000	\$1,361,000	\$1,365,000	\$1,384,700	\$1,529,400
7 Pump Station No. 2	\$603,000	\$603,000	\$1,572,500	\$1,512,300	\$1,727,800
8 Pressure Regulators (200 homes)	\$30,000	--	--	--	--
9 Pressure Reducing Valve Stations	\$18,000	\$72,000	\$243,000	\$290,100	\$383,900
10 Chloramination (Joshua & 5 wellheads)	\$707,000	\$707,000	\$739,500	\$739,200	\$563,300
11 Upgrade Southland to 12-in	\$799,500 (1)	\$780,000 (7)	\$849,000	\$828,900	\$833,200
12 Upgrade Frontage to 12-in	\$1,101,300 (1)	\$880,000 (7)	\$957,000	\$958,600	\$960,300
13 Upgrade Orchard to 12-in	\$509,000	\$1,040,000 (8)	\$1,103,500	\$1,200,800	\$1,181,200
14 Upgrade Division to 10-in between Allegre and Meridian (E)	\$53,000	--	--	--	--
15 Oakglen Avenue 12-in main (5)	--	\$420,000	\$457,000	\$472,600	\$453,800
16 Darby Lane 12-in main (5)	--	\$100,000	\$153,000	\$114,100	\$110,100
17 HWY 101 Bore & Jack (5)	--	\$132,000	\$241,000	\$228,700	\$185,200
18 Isolation Valves (5)	--	\$12,000	\$12,000	\$12,000	-- (19)
19 Pump Station All Weather Access Road	--	--	\$128,000	\$127,500	\$127,000
20 Pipe Cleaning Launch Station Stub Out (Blosser Rd)	--	--	--	\$20,400 (13)	\$32,200
Construction Subtotal	\$13,860,800	\$14,786,000	\$15,677,000	\$15,705,600	\$15,875,000
21 Contingency	\$3,643,000	\$3,696,500 (9)	\$3,115,400 (11)	\$3,141,120	\$2,381,250 (18)
Construction Subtotal + Contingency	\$17,503,800	\$18,482,500	\$18,692,400	\$18,846,720	\$18,256,300
22 Property Allowance	<i>not included</i> (4)	<i>not included</i> (4)	\$500,000 (4)	\$278,964 (4)(14)	\$278,964 (4)(14)
23 Design-Phase Engineering					
Original Agreement (July 2008)		\$744,993	\$744,993	\$744,993	\$744,993
Budget Revision 1 - Pressure Reduction		\$132,798	\$132,798	\$132,798	\$132,798
Budget Revision 2 - Biological Survey for HDD		\$4,050	\$4,050	\$4,050	\$4,050
Budget Revision 3 - Modeling for GSW/Woodlands Turnouts		\$8,380	\$8,380	\$8,380	\$8,380
Budget Revision 4 - Additional Survey Services		\$9,900	\$9,900	\$9,900	\$9,900
Budget Revision 5 - Utility Investigation (Potholing)		--	--	\$8,883	\$8,883
Budget Revision 6 - (Additional Property Research)		--	--	\$905	\$905
Budget Revision 7 - PG&E Savings by Design support		--	--	\$4,164	\$4,164
Budget Revision 8 - 60% Design Budget Update		--	--	-\$140,672	\$140,672
Budget Revision 9 - 90% Design Budget Update		--	--	--	\$136,712
Design-Phase Engineering Subtotal		\$900,121	\$900,121	\$1,054,845	\$1,191,557
24 Office Engineering during construction		\$175,837	\$175,837	\$175,837	\$175,837
25 Estimated Construction Management (3)	\$2,428,000 (2)	\$1,507,170 (10)	\$1,507,170 (10)	\$1,507,170 (10)	\$2,200,000 (12)
26 Permitting Fees To Date	--	\$1,573	\$1,573	\$6,173	\$6,173
27 Non-Final Design Funds Spent To Date	<i>not included</i>	<i>not included</i>	\$1,402,879 (12)	\$1,705,009 (12)(16)	\$1,705,009 (12)(16)
28 Estimated Other Costs (Assessment, etc)	<i>not included</i>	<i>not included</i>	\$415,420 (12)	\$300,000 (12)(16)	\$300,000 (12)(16)
29 Public Outreach	<i>not included</i>	<i>not included</i>	<i>not included</i>	\$76,000 (15)(17)	\$76,000 (15)(17)
WATERLINE PROJECT TOTAL (Rounded to 1000)	\$19,932,000 (4)	\$21,068,000	\$23,596,000	\$23,951,000	\$24,190,000

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 CM team - Has not been revised to reflect additional work for construction management of Oakglen, 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.
 - (18) Contingency was modified to 15%.
 - (19) Existing valves eliminate need for installation of new isolation valves.
- not included* = Item was not included in previous construction cost opinions, but was added into the Concept Design Report to provide a complete assessment of anticipated project costs.

Item	Description	Updated Amount Oct-10 90% Design Plans
1	Bid Package #1 - Santa Maria River Crossing	\$4,828,000
2	Bid Package #2 - Nipomo Area Pipeline Improvements	\$4,157,700
3	Bid Package #3 - Blosser Road Waterline and Flow Meter	\$2,207,000
4	Bid Package #4 - Joshua Road Pump Station and Reservoir & Wellhead Chloramination Improvements	\$4,684,200
Construction Subtotal		\$15,876,900
5	Contingency	\$2,381,535 (1)
Construction Subtotal + Contingency		\$18,258,400
6	Property Allowance	\$278,964 (2)(3)
7	Design-Phase Engineering	
	Original Agreement (July 2008)	\$744,993
	Budget Revision 1 - Pressure Reduction	\$132,798
	Budget Revision 2 - Biological Survey for HDD	\$4,050
	Budget Revision 3 - Modeling for GSW/Woodlands Turnouts	\$8,380
	Budget Revision 4 - Additional Survey Services	\$9,900
	Budget Revision 5 - Utility Investigation (Potholing)	\$8,883
	Budget Revision 6 - (Additional Property Research)	\$805
	Budget Revision 7 - PG&E Savings by Design support	\$4,164
	Budget Revision 8 - 60% Design Budget Update	\$140,872
	Budget Revision 9 - 90% Design Budget Update	\$136,712
Design-Phase Engineering Subtotal		\$1,191,557
8	Office Engineering during construction	\$175,837
9	Estimated Construction Management (3)	\$2,200,000 (8)
10	Permitting Fees To Date	\$6,173
11	Non-Final Design Funds Spent To Date	\$1,705,009 (4)(6)
12	Estimated Other Costs (Assessment, etc)	\$300,000 (4)(6)
13	Public Outreach	\$76,000 (5)(7)
WATERLINE PROJECT TOTAL (Rounded to 1000)		\$24,192,000

Notes:

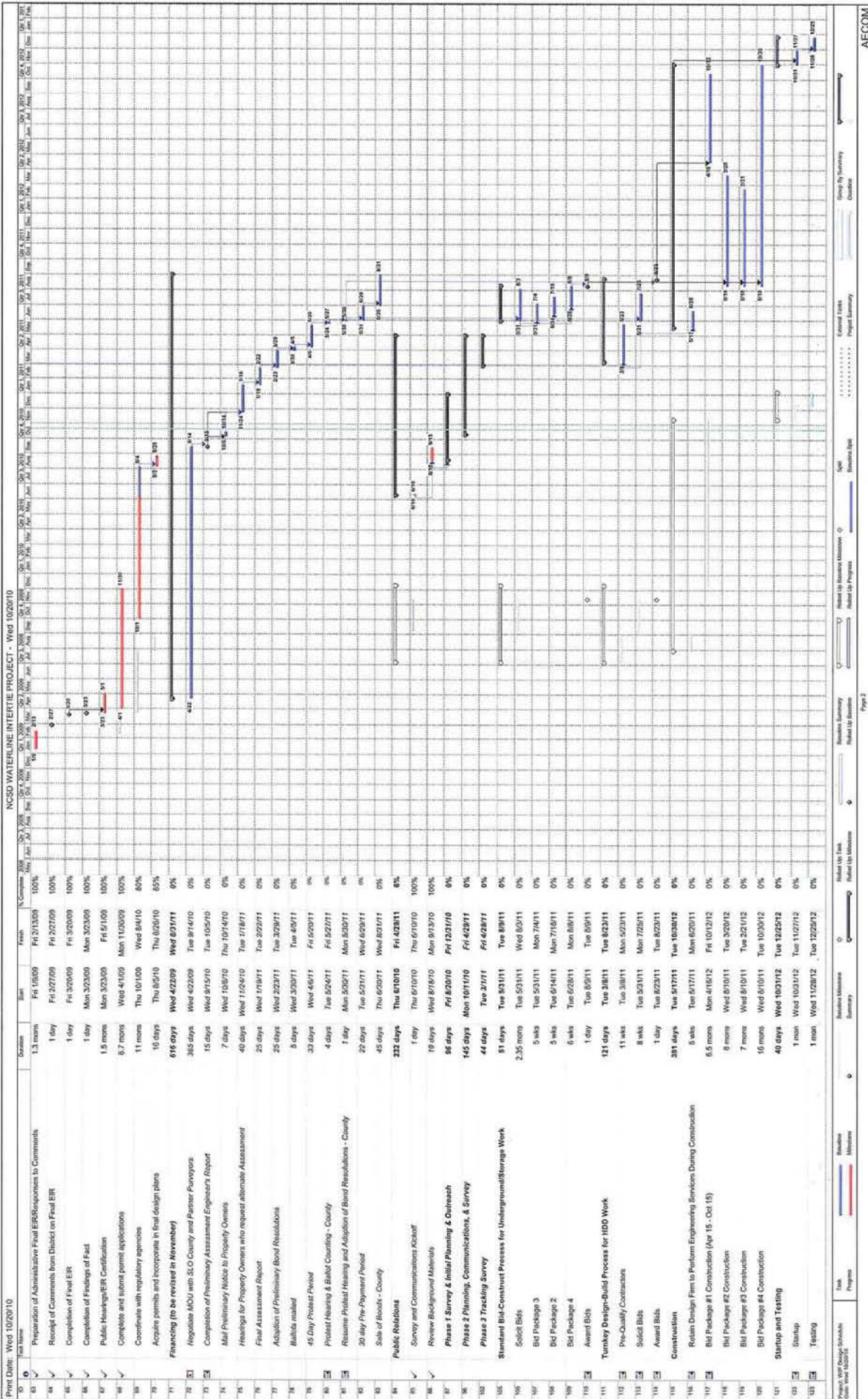
- (1) Contingency is estimated at 15%.
- (2) Estimate only. Property allowance not included prior to April 2009 estimate.
- (3) Reduced at 12/9/2009 Board Meeting.
- (4) Estimate provided by District staff.
- (5) Added to January 2010 cost opinion per District
- (6) Estimate updated by District staff 4/21/10.
- (7) Updated based on Board action on 3/24/10.
- (8) Estimate updated by District staff 10/18/10.

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	\$441,553.65	\$0.00	100%	100%
Task Group 2 - Permitting	\$38,545.92	\$36,679.73	\$0.00	95%	95%
Task Group 3 - Construction Documents	\$579,633.43	\$554,666.11	\$11,379.67	98%	94%
Task Group 4 - Project Management	\$82,869.68	\$79,112.63	\$1,878.00	98%	98%
Task Group 5 - Assistance During Bids	\$48,942.36	\$4,700.00	\$0.00	10%	10%
Task Group 6 - Office Engineering During Construction (4 Bid Packages)	\$175,836.96	\$2,431.46	\$0.00	1%	1%
Total	\$1,367,382.00	\$1,119,143.58	\$13,257.67	83%	81%

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



TO: BOARD OF DIRECTORS

FROM: DON SPAGNOLO
GENERAL MANAGER



DATE: OCTOBER 19, 2010

AGENDA ITEM

C-2

OCTOBER 27, 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

NIPOMO COMMUNITY

BOARD MEMBERS

JAMES HARRISON, PRESIDENT
LARRY VIERHEILIG, VICE PRESIDENT
ED EBY, DIRECTOR
MIKE WINN, DIRECTOR
BILL NELSON, DIRECTOR



SERVICES DISTRICT

STAFF

DON SPAGNOLO, P.E., GENERAL MANAGER
LISA BOGNUDA, ASSISTANT GENERAL MANAGER
JON SEITZ, GENERAL COUNSEL
PETER SEVCIK, P.E., DISTRICT ENGINEER

148 SOUTH WILSON STREET POST OFFICE BOX 326 NIPOMO, CA 93444 - 0326
(805) 929-1133 FAX (805) 929-1932 Website address: NCSD.CA.GOV

TO: DON SPAGNOLO, P.E., GENERAL MANAGER
FROM: TINA GRIETENS, UTILITY SUPERINTENDENT TG
DATE: OCTOBER 20, 2010
SUBJECT: UTILITY DIVISION UPDATE FOR SEPTEMBER 15, 2010- OCTOBER 19, 2010

Southland Wastewater Plant and Utility Yard

- Utility equipment storage building status
- Sludge dredging completed 9/25/10
- Southland effluent BOD in compliance; suspended solids improvement!----status

Collection system

- Power outage 9/23/10 from 2-6 pm affected 5 District Lift Stations-no spills
- Collections crew cleaning sewer lines in Blacklake Collection System
- Video of selected sewer lines 10/12/10
- Scada hooked up to level transmitter in Misty Glen Lift Station

Distribution System

- Flushing dead end water lines throughout District
- Quad tank rehabilitation: Tank #1 repairs complete—status report
- Via Concha new building installation

Maintenance

- New service request forms implemented
- Vac con quarterly maintenance performed
- Warranty maintenance on 2009 F150 4x4: seat repair
- Meter replacement, angle stop replacement, blow off valve repair, hydrants painted

Compliance

- Quarterly sampling of wells
- Training staff in laboratory analyses
- Review of results and preparation of reports for WWTPs, water distribution system

Training

- Pete/Aaron attended "Environmental Sampling and Testing Procedures" 10/8/10
- Monthly safety training 10/12/10

Other

- Aaron Hughes passed Grade 1 Wastewater Collections Maintenance Exam 10/15/10
- Provided a tour of the District Facilities to General Manager and Dave Mathe 9/30/10
- Recruitment for Maintenance Supervisor
- Working with District Engineer on District Projects