

TO: COMMITTEE MEMBERS

FROM: DON SPAGNOLO
GENERAL MANAGER 

DATE: OCTOBER 28, 2010

AGENDA ITEM 2

NOVEMBER 1, 2010

REVIEW SUPPLEMENTAL WATER DEVELOPMENT STATUS

ITEM

Review status of supplemental water development [RECEIVE REPORT].

BACKGROUND – WATERLINE INTERTIE PROJECT

Mike Nunley from AECOM is scheduled to summarize the Monthly Design Phase Status Report at the Committee Meeting – See Agenda Item 3.

Staff and AECOM continue to work on obtaining all of the necessary permits and approvals required for the project.

Staff, District Legal Counsel, AECOM and Hamner, Jewell, and Associates continue to work on acquisition of the required property and easements for the project.

Staff is reviewing the 90% complete specifications for Bid Package #4, the Joshua Road Pump Station and Reservoir, and the final plans and specifications for Bid Package #3, the Blosser Road Water Line and Flow Meter.

Staff is working with District Legal Counsel to develop the “front-end” bid documents for the project.

District Legal Counsel is working on obtaining approvals from Woodlands Mutual Water Company, Golden State Water Company and Rural Water Company for the assessment district cost sharing agreement.

Staff met with SLO County staff to discuss the assessment district formation process and timeline. The District’s assessment engineer is working with County staff to develop a detailed schedule. Based on the meeting with County staff, it appears that the entire process can be completed, assuming the assessment district is approved, so that the assessment could be placed on the FY 2011/2012 taxroll. Staff will provide the Committee and the Board with the detailed schedule once it is finalized.

RECOMMENDATION

Staff recommends that the Committee receive the staff update and ask questions as appropriate.

ATTACHMENT

- NONE

TO: COMMITTEE MEMBERS

FROM: DON SPAGNOLO
GENERAL MANAGER 

DATE: OCTOBER 28, 2010

**AGENDA ITEM
3**

NOVEMBER 1, 2010

**AECOM DESIGN STATUS UPDATE
FOR WATERLINE INTERTIE PROJECT**

ITEM

Presentation and review of the monthly design status update for the Waterline Intertie Project by AECOM [RECEIVE REPORT].

BACKGROUND

Mike Nunley is scheduled to summarize the attached report.

RECOMMENDATION

Staff recommends that the Committee receive AECOM's presentation and ask questions as appropriate.

ATTACHMENT

- AECOM October 2010 Waterline Intertie Project Monthly Design Status Report

T:\BOARD MATTERS\BOARD MEETINGS\BOARD LETTER\2010\COMMITTEES\SUPPLEMENTAL WATER\101101 MEETING\101101 ITEM3.DOC

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	\$708,800	\$577,000
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)	\$51,000	\$51,000	\$158,000	\$165,400	\$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	\$1,364,700	\$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 (6)	\$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	Pump Station All Weather Access Road	---	---	\$127,500	\$127,500	\$127,000
20	Pipe Cleaning Launch Station Stub Out (Blosser Rd)	---	---	\$128,000	\$20,400 (13)	\$32,200
	Construction Subtotal	\$13,860,800	\$14,786,000	\$16,577,000	\$16,705,600	\$16,875,000
21	Contingency	\$3,643,000	\$3,696,500 (9)	\$3,115,400 (11)	\$3,141,120	\$2,381,250 (16)
	Construction Subtotal + Contingency	\$17,503,800	\$18,482,500	\$19,692,400	\$19,846,720	\$19,256,300
22	Property Allowance	not included (4)	not included (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		\$8,360	\$8,360	\$8,360	\$8,360
	Budget Revision 4 - Additional Survey Services		\$9,900	\$9,900	\$9,900	\$9,900
	Budget Revision 5 - Utility Investigation (Potheoling)		---	---	\$8,883	\$8,883
	Budget Revision 6 - (Additional Property Research)		---	---	\$805	\$805
	Budget Revision 7 - PG&E Savings by Design support		---	---	\$4,164	\$4,164
	Budget Revision 8 - 60% Design Budget Update		---	---	\$140,872	\$140,872
	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	not included	not included	\$1,402,878 (12)	\$1,705,009 (12)(16)	\$1,705,009 (12)(16)
28	Estimated Other Costs (Assessment, etc)	not included	not included	\$415,420 (12)	\$300,000 (12)(16)	\$300,000 (12)(16)
29	Public Outreach	not included	not included	not included	\$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 allowances 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.

Nipomo CSD
 Waterline Intertie Project
 Project Budget

Date Printed: 10/20/2010

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.

10/20/2010

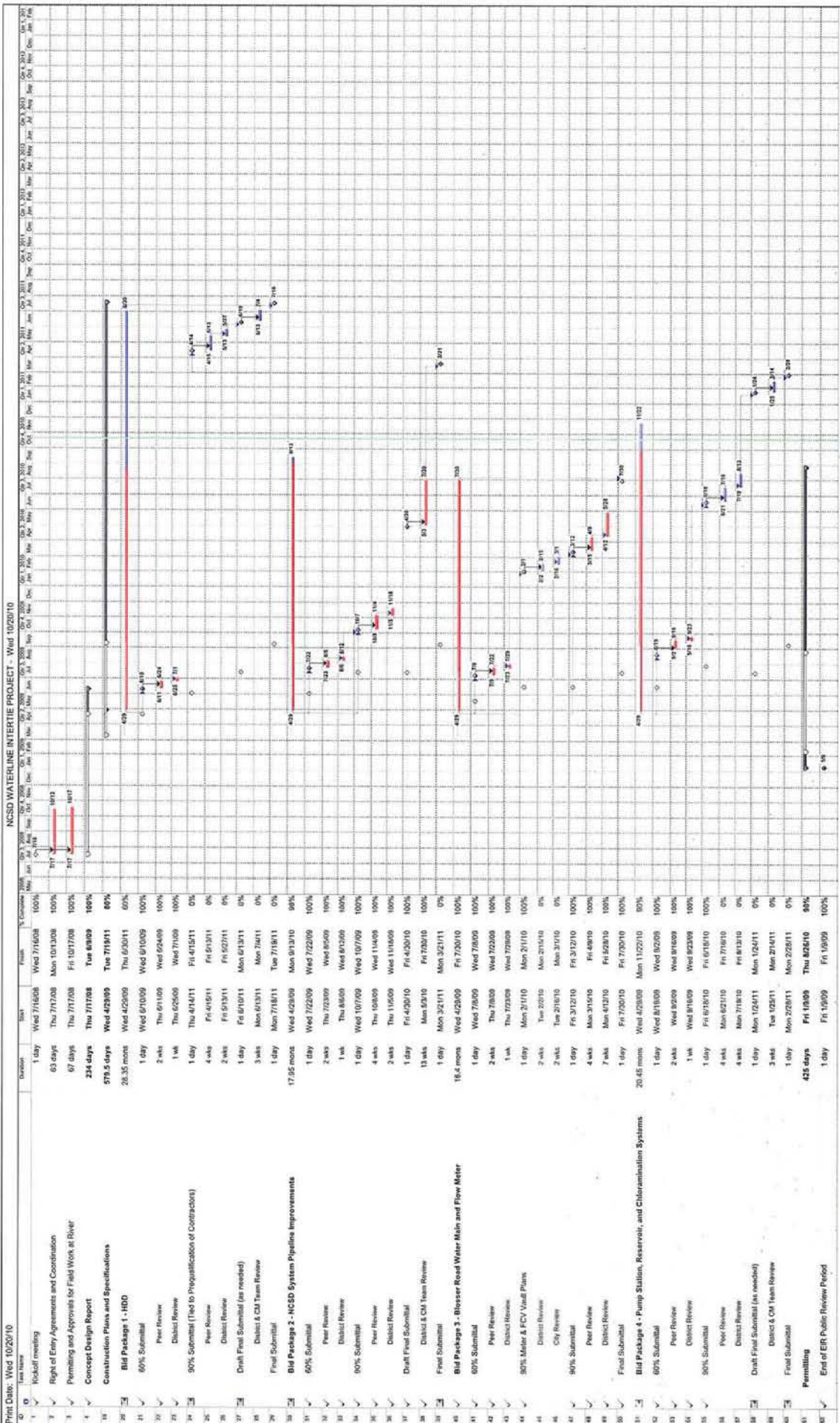
Engineering Services for NCSD - SWP Design

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	\$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

NCSO WATERLINE INTERTIE PROJECT - Wed 10/20/10



Print Date: Wed 10/20/10

ID	Task Name	Start	Finish	% Complete	Resources
1	Kickoff meeting	Wed 7/16/08	Wed 7/16/08	100%	
2	Right of Entry Agreements and Construction	Thu 7/17/08	Mon 10/13/08	100%	
3	Permitting and Approvals for Field Work at River	Fri 10/17/08	Fri 10/17/08	100%	
4	Concept Design Report	Thu 8/8/09	Thu 8/8/09	100%	
5	Construction Plans and Specifications	Tue 7/19/11	Tue 7/19/11	80%	
6	Bid Package 1 - HDD	Wed 4/20/09	Thu 6/30/11	60%	
7	60% Submittal	Wed 6/10/09	Wed 6/10/09	100%	
8	Peer Review	Thu 6/11/09	Wed 6/24/09	100%	
9	District Review	Thu 6/25/09	Wed 7/1/09	100%	
10	90% Submittal (100 to Prequalification of Contractors)	Thu 4/14/11	Fri 4/15/11	0%	
11	Peer Review	Fri 4/15/11	Fri 4/15/11	0%	
12	District Review	Fri 5/21/11	Fri 5/21/11	0%	
13	Draft Final Submittal (as needed)	Fri 6/10/11	Mon 6/13/11	0%	
14	District & CM Team Review	Mon 12/11	Mon 12/11	0%	
15	Final Submittal	Mon 7/18/11	Tue 7/18/11	0%	
16	Bid Package 2 - NCSO System Pipeline Improvements	Wed 4/20/09	Mon 9/13/10	85%	
17	60% Submittal	Wed 7/22/09	Wed 7/22/09	100%	
18	Peer Review	Wed 7/23/09	Wed 8/5/09	100%	
19	District Review	Wed 8/12/09	Wed 8/12/09	100%	
20	90% Submittal	Wed 10/7/09	Wed 10/7/09	100%	
21	Peer Review	Thu 10/8/09	Wed 11/4/09	100%	
22	District Review	Thu 11/5/09	Wed 11/18/09	100%	
23	Draft Final Submittal	Fri 4/30/10	Fri 4/30/10	100%	
24	District & CM Team Review	Mon 5/3/10	Fri 7/30/10	100%	
25	Final Submittal	Mon 3/21/11	Mon 3/21/11	0%	
26	Bid Package 3 - Blosser Road Water Main and Flow Meter	Wed 4/20/09	Fri 7/30/10	100%	
27	60% Submittal	Wed 7/8/09	Wed 7/8/09	100%	
28	Peer Review	Thu 7/8/09	Wed 7/23/09	100%	
29	District Review	Thu 7/23/09	Wed 7/29/09	100%	
30	90% Meter & PCV Vendor Plans	Mon 2/1/10	Mon 2/1/10	100%	
31	District Review	Tue 2/2/10	Mon 2/15/10	0%	
32	City Review	Tue 2/16/10	Mon 3/1/10	0%	
33	Peer Review	Fri 3/12/10	Fri 3/12/10	100%	
34	District Review	Mon 3/15/10	Fri 4/9/10	100%	
35	Final Submittal	Mon 4/13/10	Fri 5/28/10	100%	
36	Bid Package 4 - Pump Station, Reservoir, and Chloramination Systems	Fri 7/30/10	Fri 7/30/10	100%	
37	60% Submittal	Wed 4/20/09	Mon 11/22/10	80%	
38	Peer Review	Wed 8/18/09	Wed 8/26/09	100%	
39	District Review	Wed 8/26/09	Wed 8/26/09	100%	
40	90% Submittal	Wed 8/18/09	Wed 9/23/09	100%	
41	Peer Review	Fri 6/18/10	Fri 6/18/10	0%	
42	District Review	Mon 6/21/10	Fri 6/18/10	0%	
43	Draft Final Submittal (as needed)	Mon 7/18/10	Mon 1/24/11	0%	
44	District & CM Team Review	Tue 1/25/11	Mon 2/14/11	0%	
45	Final Submittal	Mon 2/28/11	Mon 2/28/11	0%	
46	Paraballing	Fri 1/8/09	Thu 8/26/10	80%	
47	End of ER Public Review Period	Fri 1/9/09	Fri 1/9/09	100%	

Project Summary: NCSO Waterline Intertie Project

Task Progress: [Progress bar showing 100% completion]

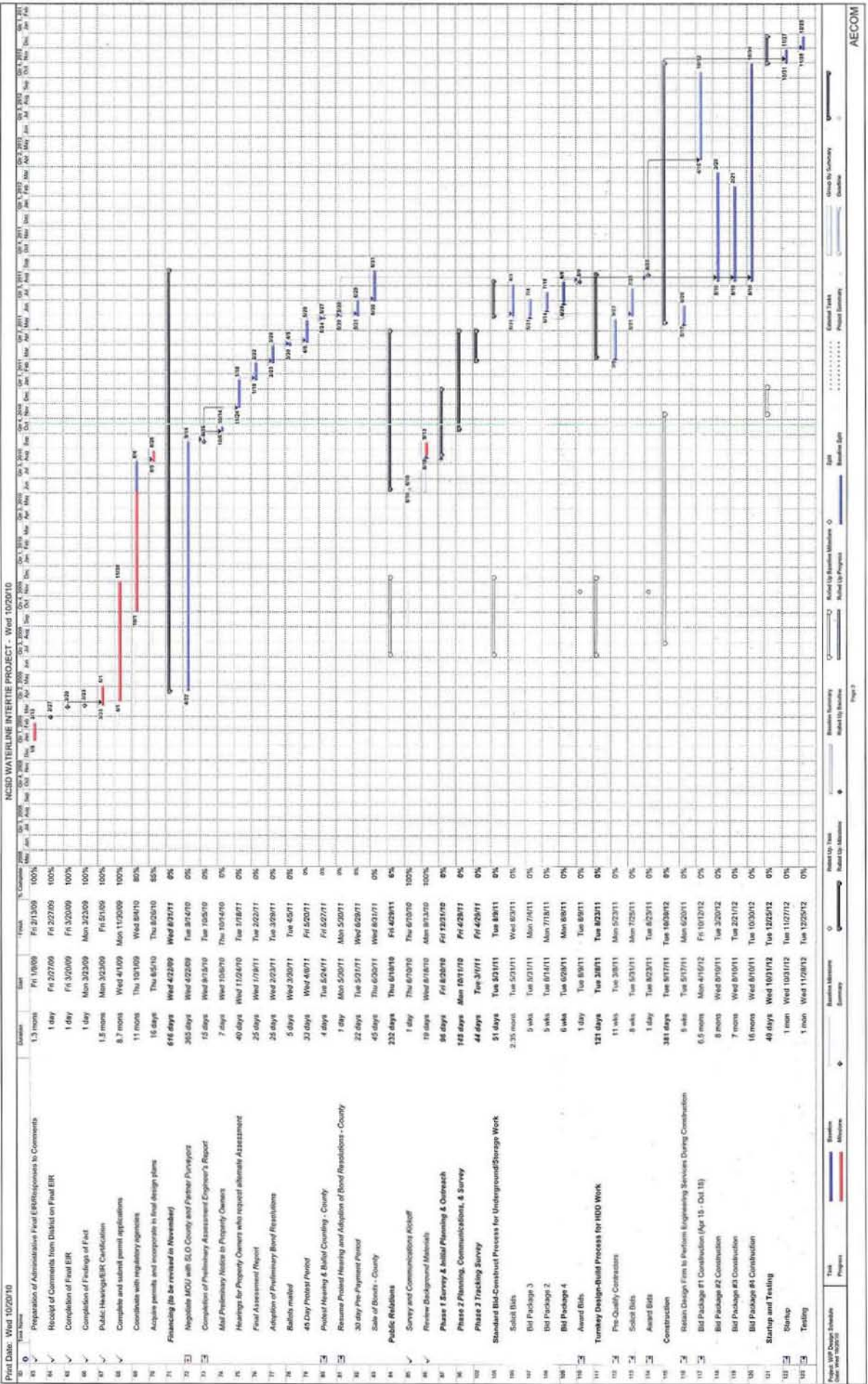
Resource Summary: [Summary of resources used]

Summary: [Overall project summary]

Page 1

AECOM

NCSD WATERLINE INTERIE PROJECT - Wed 10/20/10



TO: COMMITTEE MEMBERS

FROM: DON SPAGNOLO
GENERAL MANAGER



DATE: OCTOBER 28, 2010

AGENDA ITEM

4

NOVEMBER 1, 2010

AECOM CONTRACT AMENDMENT FOR WATERLINE INTERTIE PROJECT DESIGN

ITEM

Review amendment to AECOM Waterline Intertie Project Final Design Agreement in the amount of \$66,806 for additional services required to complete design [FORWARD RECOMMENDATION TO THE BOARD].

BACKGROUND

AECOM has completed the 90% design drawings for Bid Packages 2, 3, and 4 and has identified additional design tasks that need to be performed to complete the final design of the project that are beyond the original scope of services. The tasks include:

1. Utility Conduits to Pump Station - \$18,794
2. SCADA Radio Survey - \$4599
3. Via Concha Well Modifications - \$8156
4. WIP Operations and Maintenance Cost Opinion - \$8735

In addition, AECOM has developed an optional scope of work, with a cost of \$26,222, to design solar power facilities that could be incorporated into the project.

AECOM submitted the attached proposal to perform these tasks for \$66,506.

RECOMMENDATION

Staff recommends that the Committee receive AECOM's presentation and provide feedback and a recommendation to the Board.

ATTACHMENT

AECOM Budget Revision Request #10 Dated October 28, 2010

T:\BOARD MATTERS\BOARD MEETINGS\BOARD LETTER\2010\COMMITTEES\SUPPLEMENTAL WATER\101101 MEETING\101101 ITEM4.DOC



AECOM
1194 Pacific Street
Suite 204
San Luis Obispo CA 93401
www.aecom.com

805 542 9840 tel
805 542 9990 fax

October 28, 2010

Mr. Don Spagnolo, PE
General Manager
Nipomo Community Services District
148 S. Wilson
Nipomo, CA 93444

Dear Mr. Spagnolo,

Subject: Scope Amendment #10

As requested, we are submitting this scope amendment for additional design items associated with the Waterline Intertie Project. The Waterline Intertie Project, currently under design, will allow NCSD to transport and deliver supplemental water from the City of Santa Maria to the Nipomo Mesa. During the design, AECOM and District staff identified the need for additional work not covered under the original scope. This work consists of five components detailed in the attached pages and summarized in the following table.

Number	Description	Budget
10A	Conduits to pump station	\$18,794
10B	O&M cost estimate	\$ 8,735
10C	Solar design for PS lighting & PRV stations	\$26,222
10D	Radio survey	\$ 4,599
10E	Via Concha modifications	\$ 8,156
Total Budget		\$66,506

The provided deliverable schedules are based on estimated time to complete the work from the notice-to-proceed (NTP) date and assume staggered NTPs. AECOM will work with District staff to determine the overall schedule for the work described herein. NTPs may be staggered over several months depending on priority and impact to overall project schedule.

Please feel free to contact me if you have any questions or comments. We look forward to continuing work on the Waterline Intertie Project and assisting the District as the project is seen to completion.

Sincerely,

Michael K. Nunley, PE
Project Manager

Jon Hanlon, PE
Managing Engineer

Enclosures: Scope Amendments #10A, #10B, #10C, #10D, and #10E; Fee Schedule



AECOM
1194 Pacific Street
Suite 204
San Luis Obispo CA 93401
www.aecom.com

805 542 9840 tel
805 542 9990 fax

October 28, 2010

Mr. Don Spagnolo, PE
General Manager
Nipomo Community Services District
148 S. Wilson
Nipomo, CA 93444

Dear Mr. Spagnolo,

Subject: Scope Amendment #10A – Conduits to Pump Station Site

As requested, we are submitting this scope amendment for design of a conduit bank in association with the Waterline Intertie Project. The Waterline Intertie Project, currently under design, will allow NCSD to transport and deliver supplemental water from the City of Santa Maria to the Nipomo Mesa. As part of the transmission infrastructure, a pump station and reservoir will be constructed on the Mesa near the intersection of Joshua Road and Orchard Road.

Electrical and telephone lines will be required for power and communications at the site. Design of a conduit bank was not included in the original scope of work, because several sites were still under consideration for the pump station and reservoir. This work proposes the design of a conduit bank, approximately 1800 linear feet long, to carry electrical, telephone, and potentially spare conduits to the pump station site. The conduit bank will be prepared in accordance with PG&E and AT&T standard requirements. Construction documents will be prepared for addition to Bid Package #4, Joshua Road Pump Station and Reservoir, and Wellhead Chloramination Improvements (BP4), of the Waterline Intertie Project, which is currently at the 90% design level.

Task Group 1 – Construction Documents

AECOM will prepare bid documents in the District's standard format, including contract documents and technical specifications. It is assumed that construction will occur with BP4 of the NCSD Waterline Intertie Project, and therefore share common technical specifications and upfront documents. The conduit bank design is anticipated to require six (6) plan sheets, not including the title and notes sheets.

Plans, technical specifications, and an opinion of probable construction cost will be submitted at the 60-percent level with a letter summarizing design considerations. Subsequent revisions of the plans and specifications will be provided as part of the Waterline Intertie Project BP4 design submittals.



Budget

Our fee and charges will be invoiced on a time and materials basis, with a budget not to exceed \$18,794, as detailed in the attached table, unless additional authorization is requested in writing. The current fee schedule, attached, was used to develop this budget.

Schedule

Sixty percent plans and technical specifications unique to the conduit bank work will be provided within six (6) weeks of Notice To Proceed. After comments are received, a draft final submittal will be provided with Bid Package #4.

Please feel free to contact me if you have any questions or comments. We look forward to continuing work on the Waterline Intertie Project and assisting the District as the project is seen to completion.

Sincerely,

Michael K. Nunley, PE
Project Manager

Jon Hanlon, PE
Managing Engineer

Enclosures: Budget #10A

Project Budget

**Nipomo Waterline Intertie Project
Budget for Scope Amendment #10A - Conduits to Pump Station**

Nipomo Community Services District

Task Description	Personnel Hours					Budget		
	Principal	Senior Engineer II	Senior CADD Operator	Admin	Total Hours	Labor	Non-Labor Fee	Total
Task Group 1 - Construction Documents								
60% Plans, Specifications, and Opinion of Probable Cost	9	34	20	6	69	\$ 9,772	\$ 782	\$ 10,554
Draft Final Plans and Specifications (with Bid Package #4)	6	18	10		34	\$ 5,130	\$ 410	\$ 5,540
Final Plans and Specifications (with Bid Package #4)	4	8	4		16	\$ 2,500	\$ 200	\$ 2,700
Subtotal	19	60	34	6	119	\$ 17,402	\$ 1,392	\$ 18,794
Total	19	60	34	6	119	\$ 17,402	\$ 1,392	\$ 18,794

<u>Personnel Category</u>	<u>\$/HR</u>
Principal	\$200.00
Senior Engineer II	\$160.00
Senior CADD Operator	\$105.00
Admin	\$72.00



AECOM
1194 Pacific Street
Suite 204
San Luis Obispo CA 93401
www.aecom.com

805 542 9840 tel
805 542 9990 fax

October 28, 2010

Mr. Don Spagnolo
General Manager
Nipomo Community Services District
148 S. Wilson
Nipomo, CA 93444

Dear Mr. Spagnolo,

Subject: Scope Amendment #10B – WIP Operations and Maintenance Cost Opinion

We are submitting this scope amendment for services in association with the Waterline Intertie Project. We understand that the District desires an engineer's opinion of operations, maintenance, and replacement cost for the Project. The services described below are based on conversations with the District Engineer. This proposal represents the effort required to provide the District with a budgetary value for planning purposes based on the 90% and draft final plans submitted thus far. The operating and maintenance cost opinion should be revised after the project Operations and Maintenance Plan is completed. Budget details are provided in the attached table.

Task 101 – Project Inventory

Project components will be compiled and organized into a table for estimating operations and maintenance cost, including pipelines, pumps, reservoir, consumables (such as electricity and chemicals), and labor. The table will include details such as length, number, type, electrical and chemical usage, and labor requirements. In addition, AECOM will provide an estimated design life for major equipment items requiring rehabilitation or replacement, such as valves, pumps, and other mechanical items.

Task 102 – Data collection

AECOM will contact vendors and PG&E to collect up-to-date electrical and chemical unit costs, and work with NCSD staff to estimate labor time and labor unit costs.

Task 103 – Technical Memorandum

The information will be organized and presented in a memorandum, which will summarize assumptions, describe the methods used for estimating costs, and include an itemized table of operation and maintenance costs per project component. AECOM will provide a draft technical memorandum for the District's review. After comments are received and incorporated, a final submittal will be provided.



Budget

Our fee and charges will be invoiced on a time and materials basis, with a budget not to exceed \$8,735, as detailed above and in the attached table, unless additional authorization is requested in writing. The current fee schedule, attached, was used as a basis for this budget.

Schedule

A draft technical memorandum will be delivered for NCSD staff review within four (4) weeks of notice-to-proceed. The memorandum will be finalized within two (2) weeks after District comments are received.

Please feel free to contact me if you have any questions or comments. We look forward to continuing work on the Waterline Intertie Project and assisting the District as the project is seen to completion.

Sincerely,

Michael K. Nurley, PE
Project Manager

Jon Hanlon, PE
Managing Engineer

Enclosures: Budget #10B

Project Budget Revision

**Waterline Intertie Project
Budget for Scope Amendment #10B
Estimate of Probable Operating and Maintenance Costs**

Nipomo Community Services District

Task Description	Personnel Hours				Budget			
	Principal	Senior Engineer II	Associate Engineer	Administrative	Total Hours	Labor	Non-Labor Fee	Total
Task Group 1								
101 - Project Inventory		6	14		20	\$ 2,710	\$ 217	\$ 2,927
102 - Data Collection			8		8	\$ 1,000	\$ 80	\$ 1,080
103 - Technical Memorandum	6	4	18	4	32	\$ 4,378	\$ 350	\$ 4,728
Subtotal	6	10	40	4	60	\$ 8,088	\$ 647	\$ 8,735
Total	6	10	40	4	60	\$ 8,088	\$ 647	\$ 8,735

<u>Personnel Category</u>	<u>\$/HR</u>
Principal	\$200.00
Senior Engineer II	\$160.00
Associate Engineer	\$125.00
Administrative	\$72.00



AECOM
1194 Pacific Street
Suite 204
San Luis Obispo CA 93401
www.aecom.com

805 542 9840 tel
805 542 9990 fax

October 28, 2010

Mr. Don Spagnolo, PE
General Manager
Nipomo Community Services District
148 S. Wilson
Nipomo, CA 93444

Dear Mr. Spagnolo,

Subject: Scope Amendment #10C – Solar power design for pump station site lighting and SCADA at PRV stations

As requested, we are submitting this scope amendment to incorporate design of photovoltaic (PV) systems for two elements of the Waterline Intertie Project. District staff have identified two project components that are feasible for solar power: 1) lighting at the pump station / reservoir site, and 2) electrical instrumentation at the pressure reducing valve (PRV) stations.

Task Group 1 – Construction Documents for Solar Power for Pump Station Lighting

AECOM will amend the existing design to include a PV system for lighting at the pump station/reservoir site. AECOM will prepare bid documents in the District's standard format, including contract documents and technical specifications. It is assumed that construction will occur with Bid Package #4, Joshua Road Pump Station and Reservoir, and Wellhead Chloramination Improvements (BP4) and therefore share common technical specifications and upfront documents. The photovoltaic assembly design is anticipated to require three (3) plan sheets, not including the title and notes sheets.

Plans, technical specifications, and an opinion of probable construction cost for the PV system will be submitted at the 60-percent level with a letter summarizing design considerations, as required. Construction documents will be prepared for addition to BP4, which is currently at the 90% design level. Subsequent revisions of the plans and specifications will be provided as part of the BP4 design submittals.

Task Group 2 – Construction Documents for Solar Power at PRV Stations

AECOM will amend the existing design to include a PV system at each of the five PRV stations (four in Bid Package #2, and one in Bid Package #4). AECOM will prepare bid documents in the District's standard format, including contract documents and technical specifications. It is assumed that construction will occur with Bid Package #2, Nipomo Area Pipeline Improvements (BP2) and BP4, and therefore share common technical specifications and upfront documents. The photovoltaic assembly design is anticipated to require three (3) plan sheets, not including the title and notes sheets.



Plans, technical specifications, and an opinion of probable construction cost for the PV systems will be submitted at the 60-percent level with a letter summarizing design considerations, as required. Construction documents will be prepared for addition to BP4 (currently at the 90% design level) and BP2 (currently at the draft final level).

Budget

The budget not to exceed will total \$26,222, unless additional authorization is requested in writing. Our fee and charges will be invoiced on a time and materials basis, based on the current fee schedule (attached). The budget assumes four (4) hard copies will be delivered to the District for all submittals. Details are provided on the budget revision table attached.

Schedule

Sixty percent plans, technical specifications, and an opinion of probable construction cost unique to the PV systems will be provided within six (6) weeks of Notice to Proceed. After comments are received, subsequent submittals will be provided with BP4 and BP2 design submittals.

Please feel free to contact me if you have any questions or comments. We look forward to continuing work on the Waterline Intertie Project and assisting the District as the project is seen to completion.

Sincerely,

Michael K. Nuhley, PE
Project Manager

Jon Hanlon, PE
Managing Engineer

Enclosures: Budget #10C

Project Budget

**Nipomo Waterline Intertie Project
Budget for Scope Amendment #10C - Solar Power**

Nipomo Community Services District

Task Description	Personnel Hours					Budget		
	Principal	Senior Engineer II	Senior CADD Operator	Admin	Total Hours	Labor	Non-Labor Fee	Total
Task Group 1 - Construction Docs: Solar at PS Site								
60% Plans, Specifications, and Cost Opinion	14	24	20		58	\$ 8,740	\$ 699	\$ 9,439
Draft Final Plans, Specifications, and Cost Opinion (with BP4)	2	3	8		13	\$ 1,720	\$ 138	\$ 1,858
Final Plans, Specifications, and Cost Opinion (with BP4)	1	4	8		13	\$ 1,680	\$ 134	\$ 1,814
Subtotal	17	31	36	-	84	\$ 12,140	\$ 971	\$ 13,111
Task Group 2 - Construction Docs: Solar at PRV Sta.								
60% Plans, Specifications, and Cost Opinion	14	24	20		58	\$ 8,740	\$ 699	\$ 9,439
Draft Final Plans, Specifications, and Cost Opinion (with BP4 & BP2)	2	3	8		13	\$ 1,720	\$ 138	\$ 1,858
Final Plans, Specifications, and Cost Opinion (with BP4 & BP2)	1	4	8		13	\$ 1,680	\$ 134	\$ 1,814
Subtotal	17	31	36	-	84	\$ 12,140	\$ 971	\$ 13,111
Total	34	62	72	-	168	\$ 24,280	\$ 1,942	\$ 26,222

<u>Personnel Category</u>	<u>\$/HR</u>
Principal	\$200.00
Senior Engineer II	\$160.00
Senior CADD Operator	\$105.00
Admin	\$72.00



AECOM
1194 Pacific Street
Suite 204
San Luis Obispo CA 93401
www.aecom.com

805 542 9840 tel
805 542 9990 fax

October 28, 2010

Mr. Don Spagnolo, PE
General Manager
Nipomo Community Services District
148 S. Wilson
Nipomo, CA 93444

Subject: Scope Amendment #10D - Radio Survey for Waterline Intertie Project

In conjunction with the design of the Waterline Intertie Project's proposed pressure reducing valve (PRV) stations, which will require new radio links with the District's SCADA system, a radio survey is required. The scope of work did not include performing a radio study; at the time of the original project proposal it wasn't feasible to project the number of sites and/or locations required to prepare a radio survey budget.

AECOM proposes to prepare exhibits and specifications for use by our subconsultant, Applied Technology Group, in preparation of a field radio site survey for nine (9) sites, and to be in the field with ATG during the performance of the radio site survey. The sites to be surveyed are:

1. Southland Street PRV Station
2. Frontage Road PRV Station
3. Oakglen Road PRV Station
4. Santa Maria Vista PRV Station
5. Orchard Road PRV Station
6. Joshua Road Pump Station Site
7. Blosser Road FCV Site
8. Golden State Water Company Turnout Site
9. Woodland Mutual Water Company Turnout Site

Our proposed budget for this work is \$4,599 per the attached project budget worksheet and the ATG proposal. Results of the radio study will be provided within four (4) weeks from notice-to-proceed.

Thank you for allowing AECOM to submit this proposal for additional services. If you have any questions or comments, please call to discuss. We look forward to starting work at your earliest convenience.



Sincerely,

A handwritten signature in black ink, appearing to read "M. K. Nunley".

Michael K. Nunley, PE
Project Manager

A handwritten signature in black ink, appearing to read "Jon Hanlon".

Jon Hanlon, PE
Managing Engineer

Enclosures: Budget #10D, ATG Proposal

Project Budget

**Nipomo Waterline Intertie Project
Budget for Scope Amendment #10D - Radio Survey**

Nipomo CSD

Task Description	Personnel Hou		Budget				
	Senior IE	Total Hours	Labor	Non-Labor Fee	Subconsultant	Total Non-Labor	Total
Task Group 1							
Radio Survey (9 sites)	16	16	\$ 2,800	\$ 224	\$ 1,575	\$ 1,799	\$ 4,599
		-	\$ -			\$ -	\$ -
		-	\$ -			\$ -	\$ -
		-	\$ -			\$ -	\$ -
		-	\$ -			\$ -	\$ -
Subtotal	16	16	\$ 2,800	\$ 224	\$ 1,575	\$ 1,799	\$ 4,599
Total	16	16	\$ 2,800	\$ 224	\$ 1,575	\$ 1,799	\$ 4,599

Personnel Category \$/HR
 Senior IE \$175.00



APPLIED TECHNOLOGY GROUP, INC.
SPECIALIZED COMMUNICATIONS SERVICES

4440 Easton Drive
 Bakersfield, CA 93309
 661-322-8650
 661-322-4060 Fax
 License: 891598
www.atqinternet.com

AECOM
 6345 Balboa Blvd., Suite 312
 Encino, CA 91316
 Efrem Sorkin
 efrem.sorkin@aecom.com
 818-705-8307 x104
 818-705-8504

Acct # 1387
 Project Name:
 REV 2 - Nipomo Ethernet Radio Survey

Proposal

Proprietary Information Do Not Duplicate or Redistribute

Prepared By: Chuck Hoyt 5/13/2010

Line	Qty	Make	Model	Description	Each	Line Total
1				Revision 2 : added 2 more sites		
2				iNET Radio Site Survey		
3				9 Sites to Existing Access Point Site		
4						
5				1 Survey Van with 40ft Mast		
6				1 Tech		
7						
8				Report to Follow		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						

Proposal Valid for 30 days:
 Prepared by: Chuck Hoyt

Total Parts

Tax	Enter Tax Rate
Labor	\$900.00
Truck & Travel	\$531.50
Shipping & Handling	FOB Dest. Prepay & Add.
Grand Total	\$1,431.50

Fax copy to: 661-322-4060

Accepted By:	
PO#:	Date:



AECOM
1194 Pacific Street
Suite 204
San Luis Obispo CA 93401
www.aecom.com

805 542 9840 tel
805 542 9990 fax

October 28, 2010

Mr. Don Spagnolo, PE
General Manager
Nipomo Community Services District
148 S. Wilson
Nipomo, CA 93444

Dear Mr. Spagnolo,

Subject: Scope Amendment #10E – Via Concha well site modifications for new easement

As requested, we are submitting this scope amendment to modify the design of the proposed Via Concha Well chloramination facilities in association with the Waterline Intertie Project. Bid Package #4, of the Waterline Intertie Project, is 90% complete and includes design of chloramination facilities at the Via Concha well. The existing well site sits on a 25-foot by 50-foot easement. AECOM and District staff have discussed the size restrictions and concluded that additional easement is recommended for the proposed chloramination facilities. Recent well pump repair work further supported this conclusion, as the District was not able to work within the existing bounds of the easement and sought permission from the property owner for additional area for temporary laydown.

The District is working towards negotiating a larger easement for the well site. With a larger site, the proposed chloramination facilities should be relocated to allow effective access. The additional land will also allow avoidance of relocating existing piping, which is currently required to fit the facilities in the existing easement. This scope amendment addresses the tasks required to modify the current design for the proposed facilities at the Via Concha well site to consider the larger easement.

Task Group 1 – Land Surveying

Task 101. Topographical survey – The project topographical base map does not include surface features or ground elevations beyond the boundaries of the existing easement. AECOM's subconsultant, Wallace Group, will perform land surveying of the additional easement area required for relocation of the proposed facilities.

Task 102. Legal description – Wallace Group will prepare a legal description and exhibit for the easement deed document (prepared by others).

Task Group 2 – Construction Documents

Task 201. Revised 90% plans – AECOM will provide District staff with revised plans for the changes at Via Concha well site (Sheets WC-105 through WC-107). Related structural, electrical, and instrumentation sheets will be revised as needed. It is assumed that existing details for the facilities



will remain the same (Sheet WC-108) and that the draft specifications will not require revisions related to this work. Comments from District staff on the plan sheets will be incorporated and subsequent revisions of the plans will be provided as part of the Bid Package #4 (Joshua Road Pump Station and Reservoir, and Wellhead Chloramination Improvements) design submittals.

Budget

Our fee and charges will be invoiced on a time and materials basis, with a budget not to exceed \$8,156 as detailed above and in the attached table, unless additional authorization is requested in writing. The current fee schedule, attached, was used as the basis for this budget. The scope amendment from Wallace Group is also attached for your reference.

Schedule

The topographic survey will be scheduled within 1 week of Notice To Proceed. Revised 90% plansheets related to the Via Concha Well site will be provided for District review within eight (8) weeks of Notice To Proceed. Subsequent revisions will be provided with Bid Package #4 design submittals.

Please feel free to contact me if you have any questions or comments. We look forward to continuing work on the Waterline Intertie Project and assisting the District as the project is seen to completion.

Sincerely,

Michael K. Nurfley, PE
Project Manager

Jon Hanlon, PE
Managing Engineer

Enclosures: Budget #10E, Wallace Group proposal

Project Budget Revision

Waterline Intertie Project
 Budget for Scope Amendment #10E
 Via Concha Well Site Modifications

Nipomo Community Services District

Task Description	Personnel Hours					Budget			
	Principal	Managing Engineer	Associate Engineer	Senior CADD Operator	Total Hours	Labor	Subconsultants	Non-Labor Fee	Total
Task Group 1 - Land Surveying									
Tasks 101 & 102 - Survey & Legal Description		1	2	4	7	\$ 845	\$ 3,377	\$ 68	\$ 3,445
Subtotal	-	1	2	4	7	\$ 845	\$ 3,377	\$ 68	\$ 3,445
Task Group 2 - Construction Documents									
Task 201 - Revised 90% plansheets for Via Concha	1	4	8	16	29	\$ 3,580		\$ 286	\$ 3,866
Subtotal	1	4	8	16	29	\$ 3,580	-	\$ 286	\$ 3,866
Total	1	5	10	20	36	\$ 4,425	\$ 3,377	\$ 354	\$ 8,156

<u>Personnel Category</u>	<u>\$/HR</u>
Principal	\$200.00
Managing Engineer	\$175.00
Associate Engineer	\$125.00
Senior CADD Operator	\$105.00

CONTRACT AMENDMENT



CIVIL ENGINEERING
 CONSTRUCTION MANAGEMENT
 LANDSCAPE ARCHITECTURE
 MECHANICAL ENGINEERING
 PLANNING
 PUBLIC WORKS ADMINISTRATION
 SURVEYING & MAPPING
 WATER RESOURCES
 WALLACE SWANSON INTERNATIONAL

Project Name: Nipomo Intertie Line	CA No. 16
Client Name: AECOM	Project/Phase No. 0532-0024/200
Attention: Eileen Shields, PE	Date: August 16, 2010
Address: 1194 Pacific Street, Suite 204, San Luis Obispo, California 93401	

Wallace Group requests the Client's authorization to proceed with revisions to the contract agreement for the above referenced project as herein described. Approval below incorporates this document as a part of the original contract August 4, 2008. If approved, please return one signed original Contract Amendment to Wallace Group.

Description and Purpose of the Revision(s)

1. Field survey for additional Topographic Map slightly beyond Via Concha well site.
2. Revise Topographic Map previously prepared.
3. Prepare Legal Description and Exhibit to be inserted into Easement Deed document by others.

Note: Does not include any Preliminary Title report Review or plotting of existing easements.

Revision(s) Represent:

- a change in previous instructions
- a change in scope of services
- other:

Revision(s) Fee:

- hourly (time & materials)
- progress billing: \$
- not-to-exceed w/o authorization: \$3,070

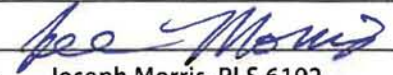
Revision(s) will be invoiced as:

- increase to an item within the existing contract
- a new item added to existing contract

Issued by,

Wallace Group, a California Corporation

Approved by Client

Signature: 	Signature:
Print Name: Joseph Morris, PLS 6192	Print Name:
Title: Director of Surveying	Title:
Date: August 16, 2010	Date:

WALLACE GROUP
 a California Corporation
 613 CLARION CT
 SAN LUIS OBISPO
 CALIFORNIA 93401
 T 505 544-4011
 F 505 544-4294

www.wallacegroup.us

AECOM

FEE SCHEDULE FOR PROFESSIONAL SERVICES
Effective January 1, 2010

Engineers, Planners, Architects, Scientists:

Principal	\$200.00 per hour
Managing Engineer	\$175.00 per hour
Senior II	\$160.00 per hour
Senior I	\$145.00 per hour
Associate	\$125.00 per hour
Assistant	\$110.00 per hour
Construction Observer	\$110.00 per hour

Technical Support Staff:

Design/CADD Supervisor	\$120.00 per hour
Senior Designer/Design CADD Operator	\$105.00 per hour
Drafter/CADD Operator	\$100.00 per hour
Clerical/General Office	\$72.00 per hour

General Project Expenses ⁽¹⁾ 8% of Labor

Direct Project Expenses

Other Reproduction (8-1/2 x 11/11x17 Color)	\$1.15/1.50 per page
Plan Sheet Printing – In House Bond / Mylar	\$3.00/7.00 per sheet
Subcontracted Services/Reproduction	Cost + 10%
Subcontracted or Subconsultant Services	Cost + 10%
Auto Mileage for Construction Phase Services	\$0.60 per mile
Travel & Subsistence (other than mileage)	Cost
Miscellaneous Supplies/Services	Cost + 10%

If authorized by the Client, an overtime premium multiplier of 1.5 may be applied to the billing rate of hourly personnel who work overtime in order to meet a deadline which cannot be met during normal hours.

Applicable sale taxes, if any, will be added to these rates. Invoices will be rendered monthly. Payment is due upon presentation.

Fee schedule is subject to change.

⁽¹⁾ Includes mail, telephone, fax, office photo copies, personal computers and mileage (except as noted).

TO: COMMITTEE MEMBERS

FROM: DON SPAGNOLO
GENERAL MANAGER 

DATE: OCTOBER 28, 2010

**AGENDA ITEM
5**

NOVEMBER 1, 2010

SET NEXT COMMITTEE MEETING

ITEM

Set next committee meeting [Set Date/Time].

BACKGROUND

The Committee usually meets on the Monday preceding the second Board meeting of the month. While the November 24, 2010 Board meeting has been cancelled, the Committee could still meet on November 22, 2010 if the Committee members are available.

RECOMMENDATION

Staff recommends that the Committee tentatively set a meeting at 2 pm on Monday, November 22, 2010. If staff does not have policy issues to bring to the committee at that time, the meeting can be deferred to the following month with Committee member concurrence.

ATTACHMENT

NONE

T:\BOARD MATTERS\BOARD MEETINGS\BOARD LETTER\2010\COMMITTEES\SUPPLEMENTAL WATER\101101 MEETING\101101 ITEM5.DOC