AECOM

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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	June 16, 2010		

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

1. AECOM continued work toward the Bid Package #4 (Pump Station, Reservoir, and Chloramination Systems) 90% submittal for submittion on June 18.
2. Wallace Group, Hamner-Jewell and Associates (HJA), District staff and AECOM have completed drafting the application to the County, public lot map, and supporting documentation for creation of a Public Lot for the booster pump station and reservoir site. HJA is working with the current land owner to receive their signature on the application prior to submittal of the application package to the County.
3. HJA obtained a copy of the lease agreement for the Troesh surface mining on the Biorn property in the Santa Maria River. The project team has been reviewing this lease agreement and the County mining permit and is continuing discussions to determine appropriate protection of the pipeline from future mining.
4. AECOM attended the "All Hands" meeting for the Project on June 10th.

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

Nipomo CSD
Waterline Intertie Project
Project Budget

Date Printed: 6/16/2010

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	$158,000	$166,400
4	River Crossing (24-in HDD & levee jack & bore)	$6,135,000	$6,135,000	$5,462,500	$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)	$849,000	$828,900
12	Upgrade Frontage to 12-in	$1,101,300 (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 Allegre and Meridian (6)	$53,000	–	–	–
15	Oakglen 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 (5)	–	$132,000	$241,000	$228,700
18	Isolation Valves (5)	–	$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	*not included* (4)	*not included* (4)	$500,000 (4)	$278,964 (4) (14)
23	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		–	–	$805
	Budget Revision 7 - PG&E Savings by Design support		–	–	$4,164
	Budget Revision 8 - 60% Design Budget Update		–	–	$140,872
24	Office Engineering during construction		$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)
26	Permitting Fees To Date	–	$1,573	$1,573	$6,173
27	Non-Final Design Funds Spent To Date	*not included*	*not included*	$1,402,879 (12)	$1,705,009 (12)(16)
28	Estimated Other Costs (Assessment, etc)	*not included*	*not included*	$415,420 (12)	$300,000 (12)(16)
29	Public Outreach	*not included*	*not included*	*not included*	$76,000 (15)(17)
	WATERLINE PROJECT TOTAL (Rounded to 1000)	**$19,932,000** (4)	**$21,068,000**	**$23,596,000**	**$23,951,000**
A	Frontage Road Sewer Replacement	–	–	$1,239,500 (A)	$1,726,932 (A)(B)(C)
B	Sewer Contingency			$247,900 (A)	$259,040 (A)(D)
	FRONTAGE RD SEWER TOTAL (Rounded to 1000)			**$1,488,000** (A)	**$1,986,000** (A)(C)

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.

not inlcuded = 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 LF of 24-in sewer and manholes from Southland Street to WWTP Lift Station, which was not previously included in project scope.
(C) Construction cost opinion has been updated based on Draft Final Plans and Specifications for Waterline Intertie Project Bid Package #2 (April 2010)
(D) Contingency has been adjusted to 15%.

Project Budget Summary

5/28/2010

Engineering Services for NCSD - SWP Design **Nipomo CSD**

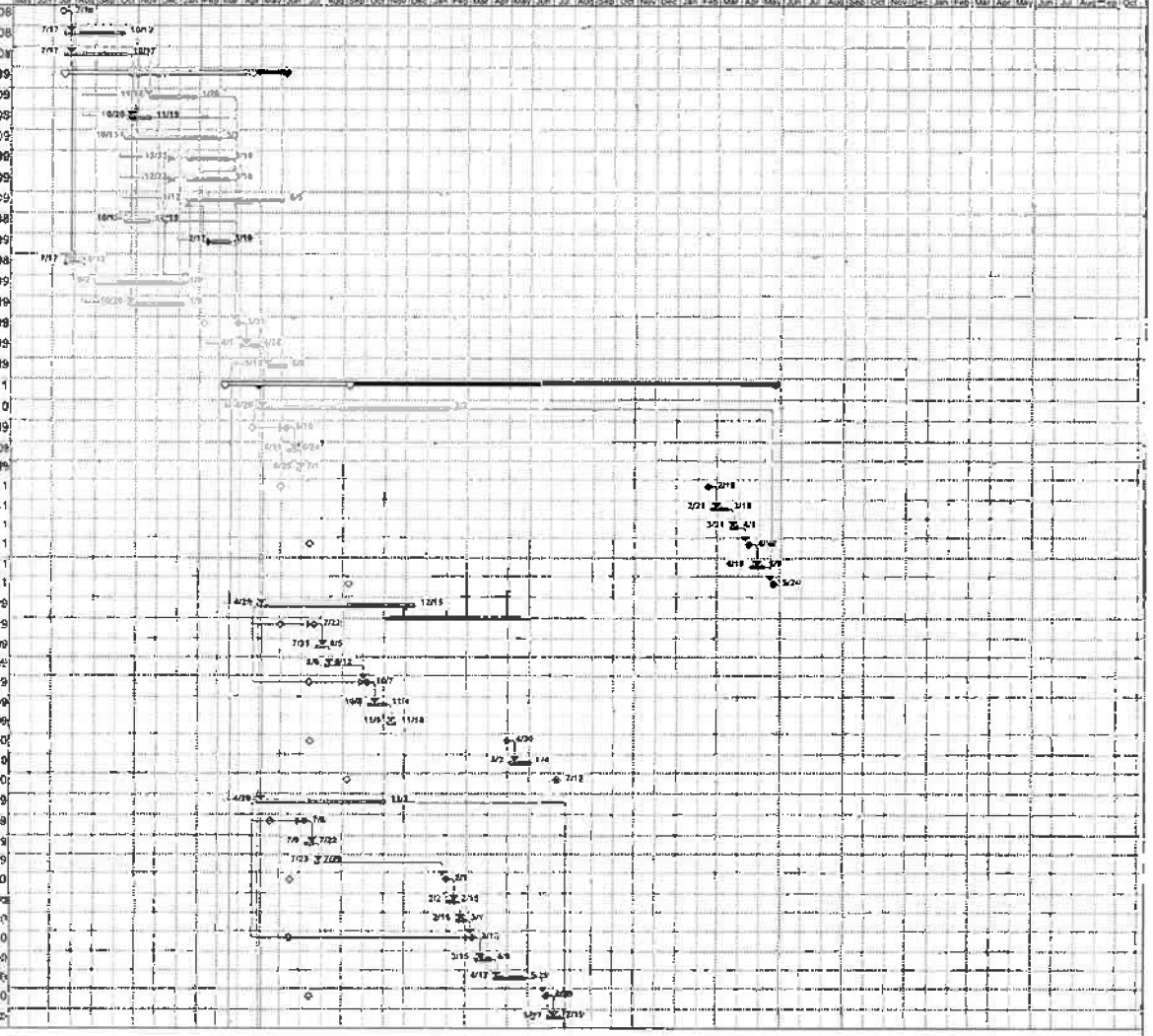
	Total Budget	Amount Previously Invoiced	Current Invoice Amount	% of Budget Earned to date	% of Work Complete
Task Group 1 - Concept Design Report	$441,553.65	$438,253.39	$1,851.22	100%	100%
Task Group 2 - Permitting	$38,545.92	$31,679.73	$0.00	82%	92%
Task Group 3 - Construction Documents	$442,933.43	$434,794.38	$8,020.51	100%	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	$966,204.20	$9,871.73	79%	77%

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

Print Date: Wed 6/16/10

NCSD WATERLINE INTERTIE PROJECT - Wed 6/16/10

ID	Task Name	Duration	Start	Finish
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 6/9/09**
5	101 - Geotechnical Report for HDD Technical Memorandum	2.5 mons	Tue 11/18/08	Mon 1/26/09
6	102 - Project Bidding Strategy Technical Memorandum	1.15 mons	Mon 10/20/08	Wed 11/19/08
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 1/12/09	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 Memor	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 1/9/09
15	111 - Geotechnical Report (by Fugro)	3 mons	Mon 10/20/08	Fri 1/9/09
16	112 - Draft Concept Report	1 day	Tue 3/31/09	Tue 3/31/09
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**	**540 days**	**Wed 4/29/09**	**Tue 5/24/11**
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	Fri 2/18/11	Fri 2/18/11
25	Peer Review	4 wks	Mon 2/21/11	Fri 3/18/11
26	District Review	2 wks	Mon 3/21/11	Fri 4/1/11
27	Draft Final Submittal (as needed)	1 day	Mon 4/18/11	Mon 4/18/11
28	District & CM Team Review	3 wks	Tue 4/19/11	Mon 5/9/11
29	Final Submittal	1 day	Tue 5/24/11	Tue 5/24/11
30	**Bid Package 2 - NCSD System Pipeline Improvements**	8.25 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 7/23/09	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	5 wks	Mon 5/3/10	Fri 6/4/10
39	Final Submittal	1 day	Mon 7/12/10	Mon 7/12/10
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 7/8/09	Wed 7/8/09
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	7 wks	Mon 4/12/10	Fri 5/28/10
50	Draft Final Submittal (as needed)	1 day	Mon 5/28/10	Mon 5/28/10
51	District & CM Team Review	3 wks	Tue 5/29/10	Mon 7/19/10



Project: WIP Design Schedule
Date: Wed 6/16/10

Task | Progress | Baseline | Milestone | Baseline Milestone | Summary | Rolled Up Task | Rolled Up Milestone | Baseline Summary | Rolled Up Baseline | Rolled Up Baseline Milestone | Rolled Up Progress | Split | Slack | External Tasks | Project Summary | Group By Summary | Deadline

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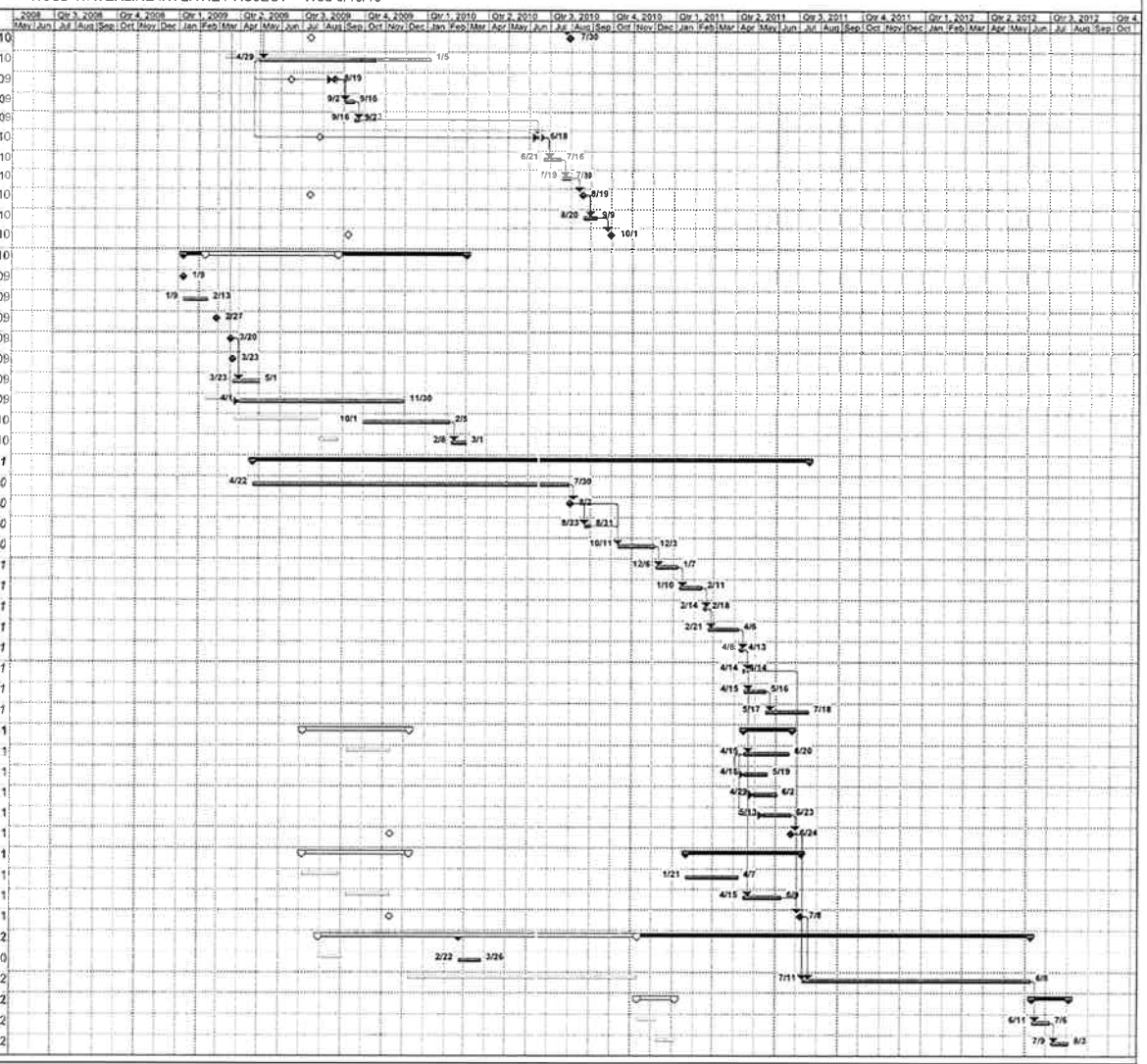
Print Date: Wed 6/16/10

NCSD WATERLINE INTERTIE PROJECT - Wed 6/16/10

ID	Task Name	Duration	Start	Finish
52	**Final Submittal**	**1 day**	**Fri 7/30/10**	**Fri 7/30/10**
53	**Bid Package 4 - Pump Station, Reservoir, and Chloramination Sys**	9 mons	Wed 4/29/09	Tue 1/5/10
54	60% Submittal	1 day	Wed 8/19/09	Wed 9/2/09
55	Peer Review	2 wks	Wed 9/2/09	Wed 9/16/09
56	District Review	1 wk	Wed 9/16/09	Wed 9/23/09
57	90% Submittal	1 day	Fri 6/18/10	Fri 6/18/10
58	Peer Review	4 wks	Mon 6/21/10	Fri 7/16/10
59	District Review	2 wks	Mon 7/19/10	Fri 7/30/10
60	Draft Final Submittal (as needed)	1 day	Thu 8/19/10	Thu 8/19/10
61	District & CM Team Review	3 wks	Fri 8/20/10	Thu 9/9/10
62	Final Submittal	1 day	Fri 10/1/10	Fri 10/1/10
63	**Permitting**	**297 days**	**Fri 1/9/09**	**Mon 3/1/10**
64	End of EIR Public Review Period	1 day	Fri 1/9/09	Fri 1/9/09
65	Preparation of Administrative Final EIR/Responses to Comments	1.3 mons	Fri 1/9/09	Fri 2/13/09
66	Receipt of Comments from District on Final EIR	1 day	Fri 2/27/09	Fri 2/27/09
67	Completion of Final EIR	1 day	Fri 3/20/09	Fri 3/20/09
68	Completion of Findings of Fact	1 day	Mon 3/23/09	Mon 3/23/09
69	Public Hearings/EIR Certification	1.5 mons	Mon 3/23/09	Fri 5/1/09
70	Complete and submit permit applications	8.7 mons	Wed 4/1/09	Mon 11/30/09
71	Coordinate with regulatory agencies	4.6 mons	Thu 10/1/09	Fri 2/5/10
72	Acquire permits and incorporate in final design plans	16 days	Mon 2/8/10	Mon 3/1/10
73	***Financing***	***584 days***	***Wed 4/22/09***	***Mon 7/18/11***
74	*Negotiate MOU with SLO County and Partner Purveyors*	*333 days*	*Wed 4/22/09*	*Fri 7/30/10*
75	*Completion of Preliminary Assessment Engineer's Report*	*15 days*	*Mon 8/2/10*	*Fri 8/20/10*
76	*Mail Preliminary Notice to Property Owners*	*7 days*	*Mon 8/23/10*	*Tue 8/31/10*
77	*Hearings for Property Owners who request alternate Assessment*	*40 days*	*Mon 10/11/10*	*Fri 12/3/10*
78	*Final Assessment Report*	*25 days*	*Mon 12/6/10*	*Fri 1/7/11*
79	*Adoption of Preliminary Bond Resolutions*	*25 days*	*Mon 1/10/11*	*Fri 2/11/11*
80	*Ballots mailed*	*5 days*	*Mon 2/14/11*	*Fri 2/18/11*
81	*45 Day Protest Period*	*33 days*	*Mon 2/21/11*	*Wed 4/6/11*
82	***Protest Hearing & Ballot Counting - County***	***4 days***	***Fri 4/8/11***	***Wed 4/13/11***
83	*Resume Protest Hearing and Adoption of Bond Resolutions - County*	*1 day*	*Thu 4/14/11*	*Thu 4/14/11*
84	*30 day Pre-Payment Period*	*22 days*	*Fri 4/15/11*	*Mon 5/16/11*
85	*Sale of Bonds - County*	*45 days*	*Tue 5/17/11*	*Mon 7/18/11*
86	**Standard Bid-Construct Process for Underground/Storage Work**	**51 days**	**Fri 4/15/11**	**Fri 6/24/11**
87	Solicit Bids	2.35 mons	Fri 4/15/11	Mon 6/20/11
88	Bid Package 3	5 wks	Fri 4/15/11	Thu 5/19/11
89	Bid Package 2	5 wks	Fri 4/29/11	Thu 6/2/11
90	Bid Package 4	6 wks	Fri 5/13/11	Thu 6/23/11
91	Award Bids	1 day	Fri 6/24/11	Fri 6/24/11
92	**Turnkey Design-Build Process for HDD Work**	**121 days**	**Fri 1/21/11**	**Fri 7/8/11**
93	Pre-Qualify Contractors	11 wks	Fri 1/21/11	Thu 4/7/11
94	Solicit Bids	8 wks	Fri 4/15/11	Thu 6/9/11
95	Award Bids	1 day	Fri 7/8/11	Fri 7/8/11
96	**Construction**	**600 days**	**Mon 2/22/10**	**Fri 6/8/12**
97	Retain Design Firm to Perform Engineering Services During Construct	5 wks	Mon 2/22/10	Fri 3/26/10
98	Construct	12 mons	Mon 7/11/11	Fri 6/8/12
99	**Startup and Testing**	**40 days**	**Mon 6/11/12**	**Fri 8/3/12**
100	Startup	1 mon	Mon 6/11/12	Fri 7/6/12
101	Testing	1 mon	Mon 7/9/12	Fri 8/3/12



Project: WIP Design Schedule
Date: Wed 6/16/10

Task | Progress | Baseline | Milestone | Baseline Milestone | Summary | Rolled Up Task | Rolled Up Milestone | Baseline Summary | Rolled Up Baseline | Rolled Up Baseline Milestone | Rolled Up Progress | Split | Baseline Split | External Tasks | Project Summary | Group By Summary | Deadline

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