

MEMORANDUM

October 30, 1998

From: Anna Lantin, RBF, Irvine
To: Steve Borroum, Caltrans, Headquarters

Subj: Pilot Project Activities for the Week Ending October 30, 1998

CRITICAL ACTIVITIES THIS WEEK

Procurement Design: The design criteria report was accepted by the Plaintiffs. RBF is currently performing the environmental tasks on the wet basin (see "Environmental Issues"). Final survey and geotech is due Oct 30. And, draft geotech reports are due Nov 6. The draft design will start on Monday Nov 1. The design report will be finalized during the design process. The schedule for the Wet Basin design is attached.

PS&E and Procurement Design Reports: Revised Design Reports and Procurement Reports have been re-submitted to the Plaintiff. Consultants are awaiting further comments prior to finalizing the Design Reports.

OM&M Plans: Vol II documents are currently revised per comments received from Plaintiffs. Response letters to NRDC, EPA, and San Diego Baykeeper have been prepared by RBF, and reviewed by Caltrans. Only the EPA letter has been authorized for submittal to the Plaintiffs. Vol II team continue revising the documents and RBF is performing internal QA/QC review. A meeting between the consultants at the BC SDO office will be held on Nov. 5 prior to sending the documents to reproduction. Vol II documents will be submitted on Nov. 10. See attached OMM schedule for due dates on Vol I and Vol II.

Construction Activities: (See attached Construction Schedule for Location Designation, Description, and Percent Completion on on-going Construction Projects)

D11 PS&E: Construction is proceeding. Contract Change Orders (CCOs) cost estimates for D11 projects will be included in next week's report.

Construction Field Memos will be provided to Dan Juarez on a regular basis for plan clarifications and CCO submittals. The following field memorandum was submitted this week:

Field Memo No. 16 – Location 1 (I5/SR56) – Extended Detention Basin. Revised earthwork quantities.

RBF is continuing close engineering construction support and coordinating directly with RBF surveyors to facilitate the fast track construction of the basins.

District 11 PSE Activities are briefly described below.

Location	Site	BMP	Activity This week	Activity Next Week	Status
1	I5 SR 56	EDB	Minor Activity	SDGE relocation	40% complete
2	SR78&I15	EDB	Underground drainage systems are in place.	Backfill underground drainage systems	80% complete
3	I5 La Costa	IB	Basin earthwork completed.	Excavation of pipeline along shoulder	50% complete

D11 Procurement: Activities are briefly described below. Change Order cost estimates will be included in next week's status report.

Location	Site	BMP	Activity This week	Activity Next Week	Status
1	Kearny Mesa Maintenance Station	MF (Compost)	Site Is Clear For Construction.	No Activity	1% complete
2	Escondido Maintenance Station	MF	Excavation for Type II sand filter	Excavation for Type II sand filter	5% complete
3	La Costa P&R	MF	Concrete forming completed.	Place concrete for walls	50% complete
4	SR-78 / I-5 P&R	MF	Construction staking for excavation	Excavation for Type I sand filter	5% complete
5	Melrose Ave./SR-78	Bio Swale	Rough grading completed.	Concrete forming for flume	55% complete
6	I-5 Palomar Airport Road	Bio Strip	Environmental coordination. Asphalt placed for roadway plan revisions.		1% complete
7	Carlsbad Maintenance station	Bio Strip/IT	Infiltration trench completed.	Concrete forming for curbs, flumes.	50% complete

D7 PS&E: Activities are briefly described below. There are no change orders at this time for D7 PSE projects.

Location/ Designer	Site	BMP	Activity This week	Activity Next Week	Status
1 / MW	I-605/SR-91	IB	No activity	Pre-construction meeting scheduled for Nov. 2 at 9:30am Construction is scheduled to begin on Nov. 2.	1% complete
1 / BC	I-5/I-605	EDB	No activity	First scheduled work day 11/4/98	1% complete
2 / BC	I-605/SR-91	EDB	No activity	First schedule work day 11/4/98	1% complete

D7 Procurement: Activities are briefly described below. There are no change orders at this time for D7 Procurement projects.

Location	Montgomery Watson Sites	BMP	Activity This week	Activity Next Week	Status
1 (Pkg 1)	Altadena Maintenance Station	Bio Strip/ IT	A meeting was held with Caltrans Electrical Inspector, Ralph Griffo, Rex (RBF), Ted Luiten (MW), Bob Wu (Caltrans), to review the work performed related to the relocation of the light standard. Concrete was placed in the new storage bins forms on 10/23/98. The concrete cylinder break for the storage bins is due 10/30/98 & if the PSI is 4000psi the old bins will start being demolished on 11/2/98 & Caltrans can use the new bins. H-flume is scheduled to arrive on 10/30	Construction continues. H-flume will be installed.	20% complete
6 (Pkg 1)	Foothill Maintenance Station	CBI	The company precasting the vaults is behind schedule therefore the precast vaults/flumes completion date is pushed out to 10/30/98	Construction continues. Precast vaults and flumes delivered.	10% complete
7 (Pkg 1)	Las Flores Maintenance Station	CBI	Sawcutting of existing asphalt has begun. The company precasting the vaults is behind schedule therefore the precast vaults/flumes completion date is pushed out to 10/30/98, and are schedule to be delivered to this site on 11/5/98 or 11/6/98.	Construction is scheduled to start 11/5/98. Precast vaults and flumes delivered.	5% complete
8 (Pkg 1)	Rosemead Maintenance Station	CBI	The company precasting the vaults is behind schedule therefore the precast vaults/flumes completion date is moved to 10/30/98.	Construction continues.	5% complete
Pkg 2	Work Package 2	Bio Strip/ Swales	R.L. Hartley's revised bid (including MWCI costs, pre-purchased items, and contingency) is \$515,804. The Engineer's Estimate is \$513,113, excluding the contingency. Consultant is awaiting receipt of Notice-to-Proceed.		
Pkg 3	Work Package 3	TCB	The revised plans and specs. are under review by Banshee and Sully-Miller. Revised bids will be received by Nov. 10. The bidders explained that the additional time is needed because: the fourth site is actually composed of two individual sites (one on each side of the	Revised bids are due by Nov. 10	

Location	Montgomery Watson Sites	BMP	Activity This week	Activity Next Week	Status
			freeway); that they must check every drawing in the revised set because a complete set was sent out instead of a bid addendum; and that they have already made commitments regarding other proposals which require their attention.		

Location	Brown and Caldwell Sites	BMP	Activity This week	Activity Next Week	Status
1	Alameda Maintenance Station	OWS	No activity	No activity	
2	Eastern Maintenance Station	MF	Andrew Thornley Const. Crew continue to install basin wall forms and are scheduled to place concrete in the forms 11/5/98. Implemented winter season storm water pollution prevention measures. Nielson Const. 2 man crew cleaned up their construction debris on the parking lot 10/27/98.	Complete wall forms and pour structure walls.	35% complete
3	Foothill Maintenance Station	MF	Nielson Const. men drilling holes for the steel "H" beam shoring and installing shoring. Implemented winter season storm water pollution prevention measures. George Nielson said they were preparing for rains by having tarps onsite to cover up piles of dirt excavated from the pit and they are installing a silt fence along a fence to adjacent property.	Begin excavation of basin pit.	15% complete
4	Termination Park and Ride	MF	Andrew Thornley Const. Crew finished installing the edge slab forms & steel rebar is being installed in the slab area. Also they have a crew building the wall forms onsite. They are scheduled to place concrete in the slab area on 11/4/98 Implemented winter season storm water pollution prevention measures.	Complete installation of slab steel and pour slab.	20% complete.
6	Via Verde Park and Ride	MCTT	No activity	Surveyors scheduled for staking in first week of November.	1% complete
8	Lakewood Park and Ride	MCTT	No activity	No Activity Surveyors scheduled for staking in first week of December.	1% complete

Biofilter SOD: No new activity reported.

Vector Control Activities: Background Monitoring Program is proceeding as scheduled. Traps have been replaced at Site Number 4 – Pacoima site. Biweekly sampling has begun at District 11.

Clarifications to scopes of work have been requested. It was decided that in D7 that the consultants who have responsibility for monitoring and maintenance will contract directly with the VCD's to conduct the vector management. Dr. Walton will provide consultation during the program. The State Biologist will provide activity oversight, including data management. In D11, the consultant will have full responsibility for the vector program. At this point the consultant will conduct the routine and follow-up sampling and make the abatement call and manage the data. Analysis will be performed by a third party (probably the San Diego Natural History Museum). Abatement will be conducted by a specialist (probably Agricultural Pest Control Specialists). The consultant is investigating the possibility of AGPS of conduction other aspects of the vector management program. The vector management database was obtained from SGVMVCD. The database will be used in D11 for reporting and sharing data with the State Biologist.

MOU: Last week RBF spoke with the County of San Diego representative and she had indicated that it will be determined whether the attorneys have any comments on the Agreement. RBF has not received any comments this week. We have learned that the County of San Diego Environmental Program is under a massive reorganization. We have scheduled a tentative meeting next week to meet with the County and KLI to discuss the Agreement and KLI's role.

For D7, RBF has received written comments from the DHS. We have also received verbal comments from two of the three Vector Control Districts indicating that the MOU is acceptable, but will have to go before their Boards for approval. RBF has revised the D7 MOU based on comments by the DHS and has submitted those to Caltrans for review and approval before forwarding to the VCDs as a final version. The revisions did not significantly alter the original MOU. RBF has also collected the Fee Schedule for two of the three VCDs, as well as a sample contract, which will be forwarded to the other consultants who will begin the process of establishing a contractual agreement with VCDs (with Caltrans authorization).

Jurisdictional Issues: No activities to report.

Environmental Issues: Wet Basin Site – A biological assessment of the site was submitted to RBF. This information will be placed into Categorical Exemption. Findings indicate that there are no significant biological issues. RBF has received verbal confirmation from D11 that there are no significant issues associated with cultural resources. A letter regarding cultural resources will be submitted next week from D11 to RBF for inclusion in the Categorical Exemption.

Cleaning of Channel Adjacent to Wet Basin Site – RBF's biologist have determined, through discussions with resource agencies, that no permits are required for this maintenance activity. A letter to this effect will be submitted to Caltrans D11 next week.

PLANNED ACTIONS NEXT WEEK

Procurement Designs: Detailed survey is due to be completed. Geotechnical reports will be in development for delivery on Nov 30.. The environmental work will continue.

Design Reports: Reports will be finalized upon receipt of additional comments from Plaintiff.

OM&M Plans: The final draft of Vol I remains with the plaintiffs. Revision of Vol II continues next week. Re-submittal of Vol II is also scheduled for Nov 10.

Construction Activities: (See above)

Biofilter SOD Research: A determination of the required delivery dates will be made.

Vector Control Activities: Monitoring continues as scheduled. RBF and KLI will meet with the County of San Diego to discuss status of Agreement and KLI's role. RBF will assist other consultants in D7 in coordinating with the VCDs to establish a contractual agreement.

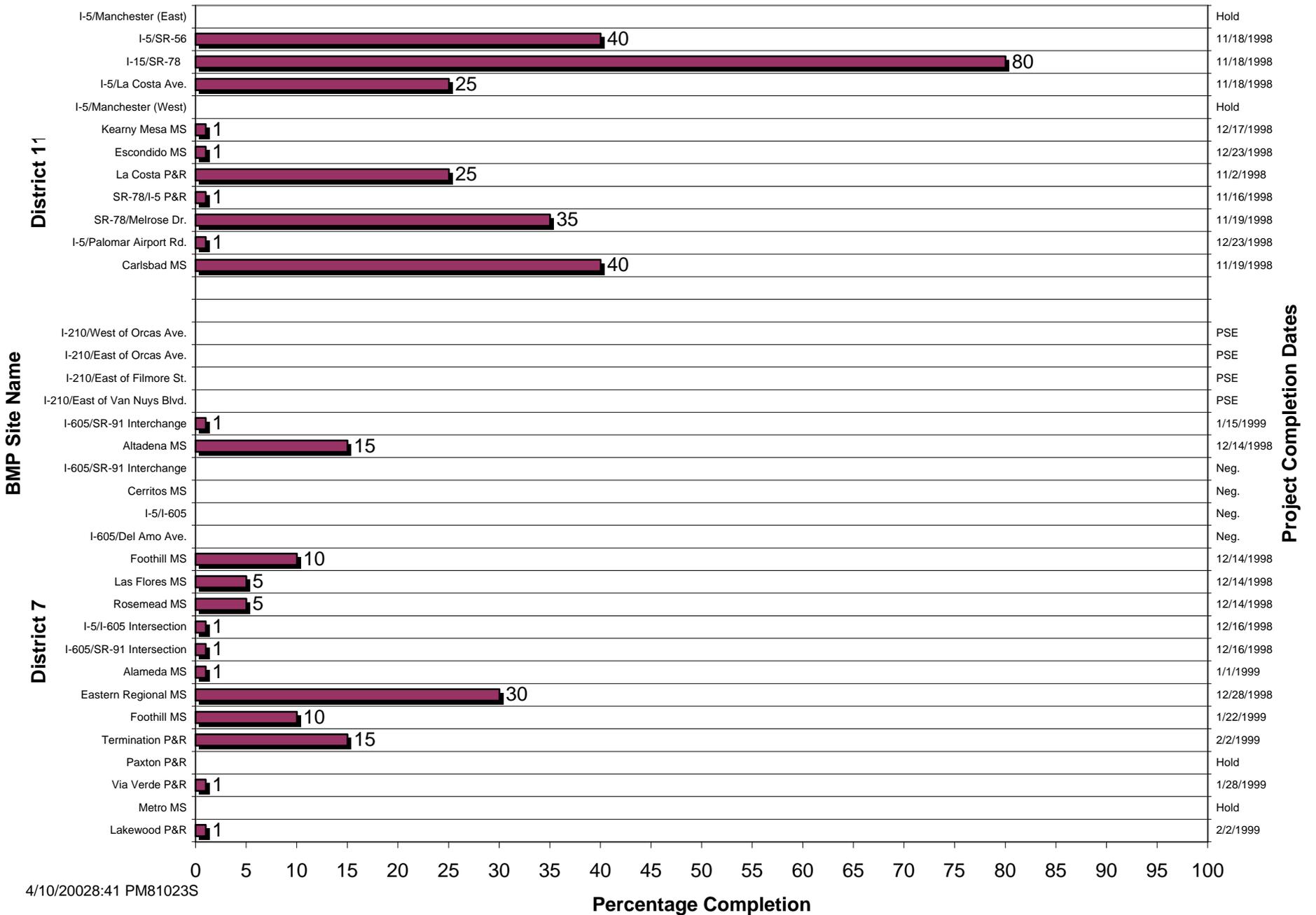
Jurisdictional Issues: No activities planned.

Environmental Issues: RBF will follow-up on environmental issues at the Wet Basin site. If the cultural letter from D11 is received, RBF will submit the Categorical Exemption for review. A letter from RBF's Biologist summarizing our opinion regarding environmental clearance for the cleaning of the channel will be submitted.

OTHER ISSUES THIS WEEK:

- RBF is coordinating a Caltrans Safety Training Session as well as a classroom Consistency Training Session for the Sampling Team members. These sessions are scheduled for November 18 and 19 at RBF. November 20 is Field Simulation. Rich Horner will brief on Empirical Observation on Dec. 7.
- Montgomery Watson – Chaudhary team (including Law/Crandall) will begin development of the monitoring database upon receipt of a Task Order.
- A unique number has been assigned to each BMP site (see Construction Schedule spreadsheet for site number list and legend). This site numbering system is used in the OMM documents (maintenance/monitoring/sampling forms), and the BMP Pilot Program database.

Caltrans BMP Pilot Program Estimate of Project Completion



**Caltrans Stormwater Retrofit Pilot Studies
Operation, Maintenance, and Monitoring Plan Development Schedule
District 7 and 11**

Task Name	Working Days	Start	Finish	Actual Finish	Notes
Kick Off Meeting	0	01-May-98	01-May-98	1-May-98	
Mid-Course Meeting	0	01-Jul-98	01-Jul-98	1-Jul-98	
DISTRICTS 7 and 11	147	04-May-98	30-Nov-98		
DRAFT OUTLINES	27	04-May-98	10-Jun-98		
Prepare Draft Vol I & II Outline	6	04-May-98	11-May-98		
Caltrans Review	5	12-May-98	18-May-98		
Consultant Review	5	12-May-98	18-May-98		
Comments to RBF	0	19-May-98	19-May-98		
Revise Draft Outline	2	19-May-98	20-May-98		
Plaintiff Review and Comment	5	21-May-98	28-May-98		
Comments to Caltrans	0	28-May-98	28-May-98		
Response to Comments	5	29-May-98	04-Jun-98		
Finalize Outline/Table of Contents	3	08-Jun-98	10-Jun-98	22-Jun-98	
PREPARE VOLUME I	61	18-May-98	12-Aug-98		
Prepare Draft Vol I	43	18-May-98	17-Jul-98		
Caltrans Review	8	20-Jul-98	29-Jul-98		
100% Draft	10	30-Jul-98	12-Aug-98	12-Aug-98	
VOL I PLAINTIFF REVIEW	52	12-Aug-98	26-Oct-98		
Plaintiff Review	15	13-Aug-98	02-Sep-98	29-Sep-98	Projected to be 61 days 2 Sep: SD BayKeeper, 10 Sep: EPA, 29 Sep: NRDC, 7 Oct: DHS/VCD
Response to Plaintiff Comments	7	03-Sep-98	14-Sep-98	7-Oct-98	11 Sep: SD BayKeeper 15 Sep: EPA 7 Oct: NRDC 7 Oct: DHS/VCD
Revise Vol I per Comments	10	15-Sep-98	28-Sep-98	9-Oct-98	Vector Mgmt chapter estimated out on 27 Oct
Plaintiff Final Review	10	29-Sep-98	12-Oct-98	23-Oct-98	No Comments received.
Final Vol I Revisions	10	13-Oct-98	26-Oct-98	6-Nov-98	Estimate
PREPARE VOLUME II	63	22-Jun-98	18-Sep-98		
Prepare Draft Vol II	35	22-Jun-98	07-Aug-98	10-Aug-98	
Caltrans Review	12	11-Aug-98	20-Aug-98	26-Aug-98	Finish date extended by Caltrans
100% Draft	14	27-Aug-98	16-Sep-98	16-Sep-98	
Caltrans 100% Draft Review	2	17-Sep-98	18-Sep-98	18-Sep-98	Sent to Plaintiff and DHS/VCDs on 18 Sep
VOL II PLAINTIFF REVIEW	47	21-Sep-98	24-Nov-98		
Plaintiff Review	15	21-Sep-98	9-Oct-98	13-Oct-98	9 Oct: NRDC 12 Oct: SD BayKeeper 13 Oct: EPA
Response to Plaintiff Comments	7	12-Oct-98	20-Oct-98	20-Oct-98	EPA response sent 26 Oct. Caltrans reviewing remaining letters.
Revise Vol II per Comments	13	21-Oct-98	5-Nov-98	6-Nov-98	Estimate
Plaintiff Final Review	5	6-Nov-98	12-Nov-98	13-Nov-98	Estimate
Final Vol II Revisions	8	13-Nov-98	24-Nov-98	25-Nov-98	Estimate
FINAL DOCUMENT	3	25-Nov-98	30-Nov-98		
Final Edit and Publication	3	25-Nov-98	30-Nov-98		

Note:

(1) Working days do not include weekends or holidays

4/10/2002

**Caltrans Storm Water Retrofit Pilot Studies
Caltrans D11
Wet Basin Implementation Schedule**

Task Name	Working Days	Start	Finish	Actual	Notes
BMP SITING/INVESTIGATION	29	1-Sep-98	9-Oct-98		
Site Selection	15	1-Sep-98	21-Sep-98	21-Sep-98	
Siting Report	5	22-Sep-98	28-Sep-98	28-Sep-98	
Caltrans Review	1	29-Sep-98	29-Sep-98	2-Oct-98	
Revise Report	1	30-Sep-98	30-Sep-98	5-Oct-98	
Plaintiff Review	5	1-Oct-98	7-Oct-98	13-Oct-98	
Finalize Report	2	8-Oct-98	9-Oct-98	14-Oct-98	
DESIGN REPORT	26	1-Oct-98	5-Nov-98		
Design Criteria Report	10	1-Oct-98	14-Oct-98	8-Oct-98	
Plaintiff Review	10	15-Oct-98	28-Oct-98	26-Oct-98	
Hydrology Map	6	1-Oct-98	8-Oct-98	29-Oct-98	Draft Complete
Prepare Draft Report	20	9-Oct-98	5-Nov-98	13-Nov-98	Estimate
DESIGN	71	8-Oct-98	22-Jan-99		
Survey	6	8-Oct-98	15-Oct-98	30-Oct-98	Estimate. Aerial Complete
Geotech Investigation	10	16-Oct-98	29-Oct-98	6-Nov-98	Estimate. Field work complete.
Draft Design	30	16-Oct-98	30-Nov-98		
Draft Specifications	10	1-Dec-98	14-Dec-98		
Caltrans Review	5	15-Dec-98	21-Dec-98		
Revise Design/Specs	5	22-Dec-98	30-Dec-98		
Plaintiff Review	10	4-Jan-99	15-Jan-99		
Finalize Design/Specs	5	18-Jan-99	22-Jan-99		
ENVIRONMENTAL	70	15-Oct-98	28-Jan-99		
CEQA Process	20	15-Oct-98	11-Nov-98	25-Nov-98	Estimate
Coastal Zone Permit Process	50	12-Nov-98	28-Jan-99	28-Jan-99	Estimate
CONSTRUCTION	103	11-Jan-99	4-Jun-99		
Encroachment Permit	20	11-Jan-99	5-Feb-99		
Advertise	0	28-Jan-99	28-Jan-99		
Bid	20	29-Jan-99	26-Feb-99		
Ct Notice to Proceed	5	1-Mar-99	5-Mar-99		
Award	1	8-Mar-99	8-Mar-99		
Execute contract	3	9-Mar-99	11-Mar-99		
Construction	60	12-Mar-99	4-Jun-99		
OMM PLAN	82	4-Jan-99	28-Apr-99		
Draft Vol I Addendum (RBF)	15	4-Jan-99	22-Jan-99		
Caltrans Review	5	25-Jan-99	29-Jan-99		
Final Draft	2	1-Feb-99	2-Feb-99		
Plaintiff Review	10	3-Feb-99	17-Feb-99		
Finalize Vol I Addendum	5	18-Feb-99	24-Feb-99		
Draft Vol II Addendum (KLI)	15	25-Feb-99	17-Mar-99		
Caltrans Review	5	18-Mar-99	24-Mar-99		
Final Draft Vol II	5	25-Mar-99	31-Mar-99		
Plaintiff Review	10	1-Apr-99	14-Apr-99		
Final Vol II	10	15-Apr-99	28-Apr-99		

Note:

Working Days do not include weekends or holidays