

Robert Bein, William Frost & Associates

Weekly Status Report

BMP Pilot Projects in Los Angeles and San Diego Counties.

November 13, 1998

Los Angeles County BMP Pilot Projects

Construction Activities, Schedule, Issues / Solutions, Financial Review

PS&E Pilot Projects

Location 1 I-605/SR-91 Contract No. 07-191204 Infiltration Basin

Construction Activities.

None this period.

Schedule

First working day per contract is November 6, 1998.

Issues / Solutions

N/A

Financial Review

See table below.

Location 1 I-5/I-605 Contract No. 07-191104 Extended Detention Basin

Construction Activities.

N/A

Schedule

First working day per contract is November 4, 1998.

Issues / Solutions

N/A

Financial Review

See table below.

Location 2 I-605/SR-91 Contract No. 07-191104 Extended Detention Basin

Construction Activities.

N/A

Schedule

First working day per contract is November 4, 1998.

Issues / Solutions

N/A

Financial Review

See table below.

Location	Scheduled Completion Date	Time Extensions (Days)	Adjusted Completion Date	Bid Amount	Estimated Contract Change Orders
1 I-605/SR-91	1-13-99	N/A	N/A	\$255,646	N/A
1 I-5/I-605	1-6-99	N/A	N/A	\$119,511	N/A
2 I-605/SR-91	1-6-99	N/A	N/A	\$ 119,511	N/A

Procurement Pilot Projects

Brown and Caldwell Sites

Location 1 Alameda Maintenance Station Oil/Water Separator

Construction Activities.

N/A

Schedule

First working day scheduled for December 18,1998.

Issues / Solutions

N/A

Financial Review

See table below.

Location 2 Eastern Maintenance Station Media Filter

Construction Activities.

Clear and grub site, constructed excavation shoring damaging existing utilities, excavate basin, relocated utilities, formed and placed concrete in basin slab, formed and placed concrete in walls.

Schedule

First working day September 25,1998. Site construction on schedule.

Issues / Solutions

Damage to utilities during drilling operation. / Additional utility investigation required during design phase with a review of accurate and comprehensive as-built plans.

Scheduling of work, demo of storage bins. / Additional coordination is required during design review of staging in order to facilitate use of existing bins or constructing temporary bins during construction of relocated bins.

Financial Review

See table below.

Location 3 Foothill Maintenance Station Media Filter

Construction Activities.

Clear and grub site, demo bins, constructed excavation shoring, begin excavation for media filter.

Schedule

First working day October 1,1998. Site construction on schedule.

Issues / Solutions

N/A

Financial Review

See table below.

Location 4 Termination Park and Ride Media Filter

Construction Activities.

Clear and grub site, constructed shoring, excavation for media filter in progress.

Schedule

First working day October 1,1998. Site construction on schedule.

Issues / Solutions

N/A

Financial Review

See table below.

Location 6 Via Verde Park and Ride Multi Chamber Treatment Train

Construction Activities.

Notification of partial lot closure, H beams for excavation shoring delivered to site.

Schedule

First working day October 8,1998. Site construction on schedule.

Issues / Solutions

Coordination of parking relocation. / Relocated electric vehicle parking.

Financial Review

See table below.

Location 8 Lakewood Park and Ride Multi Chamber Treatment Train

Construction Activities.

N/A

Schedule

First working day December 4,1998.

Issues / Solutions

N/A

Financial Review

See table below.

Location	Scheduled Completion Date	Time Extensions (Days)	Adjusted Completion Date	Bid Amount	Estimated Contract Change Orders
1 Alameda MS	1-27-99	N/A	N/A	\$172,049	N/A
2 Eastern MS	12-8-98	N/A	N/A	\$267,570	N/A
3 Foothill MS	1-4-99	N/A	N/A	\$400,648	N/A
4 Termination Park & Ride	12-21-98	N/A	N/A	\$372,982	N/A
6 Via Verde Park & Ride	1-15-99	N/A	N/A	\$309,633	N/A
8 Lakewood Park & Ride	2-4-99	N/A	N/A	\$388,038	N/A

Montgomery Watson Sites

Location 1 Package 1 Altadena Maintenance Station Bio-Strip and Infiltration Trench

Construction Activities.

Formed and placed concrete for new storage bins.

Schedule

First working day October 5,1998. Site construction on schedule.

Issues / Solutions

City of Pasadena Water Co easement encroachment. / Reconfigured BMP.

Financial Review

See table below.

Location 6 Package 1 Foothill Maintenance Station Catch Basin Insert

Construction Activities.

Staking and layout.

Schedule

First working day October 5,1998. Site construction on schedule.

Issues / Solutions

N/A

Financial Review

See table below.

Location 7 Package 1 Las Flores Maintenance Station Catch Basin Insert

Construction Activities.

Saw cut existing asphalt.

Schedule

First working day October 5,1998. Site construction on schedule.

Issues / Solutions

N/A

Financial Review

See table below.

Location 8 Package 1 Rosemead Maintenance Station Catch Basin Insert

Construction Activities.

Staking and layout.

Schedule

First working day October 5,1998. Site construction on schedule.

Issues / Solutions

N/A

Financial Review

See table below.

Location	Scheduled Completion Date	Time Extensions (Days)	Adjusted Completion Date	Bid Amount	Estimated Contract Change Orders
1 Package 1	12-18-98	N/A	N/A	\$197,574	N/A
6 Package 1	12-18-98	N/A	N/A	\$67,730	N/A
7 Package 1	12-18-98	N/A	N/A	\$81,431	N/A
8 Package 1	12-18-98	N/A	N/A	\$60,727	N/A



San Diego County BMP Pilot Projects

Construction Activities, Schedule, Issues / Solutions, Financial Review

PS&E Pilot Projects

Location 1 I-5/SR-56 Extended Detention Basin

Construction Activities.

Clear and grub, construction of reinforced concrete pipe and structures, SDGE relocation, and additional import.

Schedule

First working day per contract is September 14,1998. Project on schedule.

Issues / Solutions

N/A

Financial Review

See table below.

Location 2 SR-78/I-15 Extended Detention Basin

Construction Activities.

Remove manmade materials during excavation, install reinforced concrete pipe, construct boxes, grading 95% complete, underground drainage system in place.

Schedule

First working day per contract is September 14,1998. Project on schedule.

Issues / Solutions

Excavation of man made materials. / Additional borings and review of area RE.

Financial Review

See table below.

Location 3 I-5/La Costa Infiltration Basin

Construction Activities.

Remove saturated unsuitable material, install 600mm reinforced concrete pipe, completion of basin excavation.

Schedule

First working day per contract is September 14,1998. Project on schedule.

Issues / Solutions

N/A

Financial Review

See table below.

Location	Scheduled Completion Date	Time Extensions (Days)	Adjusted Completion Date	Bid Amount	Estimated Contract Change Orders
1 I-5/SR-56	11-18-98	N/A	N/A	\$130,739	\$3,500 Spillway excavation \$7,100 Import borrow Total \$10,600
2 I-15/SR-78	11-18-98	N/A	N/A	\$657,342	(\$240,500) Concrete lining deletion \$595,000 Removal man made buried objects Total \$354,500
3 I-5/La Costa	11-18-98	N/A	N/A	\$ 208,221	\$19,200 Removal of unsuitable material \$200 Flagging Total \$19,400

Procurement Pilot Projects

Location 1 Kearny Mesa Maintenance Station Media Filter (Compost)

Construction Activities.

N/A

Schedule

First working day per contract is November 10,1998. Project on schedule.

Issues / Solutions

Additional 31 compost filter cartridges for a total of 78 required to meet design guidelines./ Review material suppliers calculations.

Substitution of aluminum for stainless steel components for a cost reduction. / Checked with design Engineer and he provided direction for substitution.

Financial Review

See table below.

Location 2 Escondido Maintenance Station Media Filter (Sand)

Construction Activities.

Vault excavation is complete, forming for concrete.

Schedule

First working day per contract is November 2,1998. Project ahead of schedule.

Issues / Solutions

N/A

Financial Review

See table below.

Location 3 La Costa Park and Ride Media Filter (Sand)

Construction Activities.

Clear and grub, remove unforeseen structures and large rocks, excavate, form and place concrete in vault. Connect to existing storm drain outfall at revised location.

Schedule

First working day per contract is September 16,1998. Schedule delayed 10 days due to unforeseen manmade objects unsuitable material and additional reinforced concrete pipe installation.

Issues / Solutions

Storm drain line higher than anticipated. / Pot hole connections during design phase.

Buried manmade materials. / Remove at force account.

Unsuitable materials. / Remove and replace at force account.

Financial Review

See table below.

Location 4 SR-78/I-5 Park and Ride Media Filter (Sand)

Construction Activities.

Survey

Schedule

First working day per contract is September 23,1998. Project rescheduled due to Cal Trans contractor late completing prior improvements. New start October 26, 1998 with a completion of January 6, 1998. BMP contractor proceeded to location 5.

Issues / Solutions

Site was occupied with Cal Trans contractor completing previous contract. / Coordinate with Cal Trans RE at an earlier date.

Contractor could not impact parking during construction. / Coordinate at design phase with RE.

Relocation of water lines./ Coordination with RE prior to construction.

Vault reconfigured so it does not affect parking./ Coordinate with RE prior to construction.

Financial Review

See table below.

Location 5 Melrose Ave/SR-78 Bio Swale

Construction Activities.

Clear and grubsite, rough grading complete.

Schedule

First working day per contract is October 21,1998. Project ahead of schedule. Rescheduled for start of October 7,1998 and completion November 19,1998.

Issues / Solutions

N/A

Financial Review

See table below.

Location 6 I-5 Palomar Airport Road Bio Strip

Construction Activities.

This work will be constructed as a change order to an existing PSE contract with the contractor presently on site.

Schedule

Start pending Environmental review of clear and grub issues.

Issues / Solutions

N/A

Financial Review

See table below.

Location 7 Carlsbad Maintenance Station Bio Strip Infiltration Trench

Construction Activities.

Clear and grub site, constructed asphalt paved areas for parking first, over ex due to bad soil, infiltration trench complete.

Schedule

First working day per contract is October 12,1998. Project begins September 30,1998 due to location 4 not available to begin construction.

Issues / Solutions

Construction of paved areas required by Cal Trans out of phase./Coordination with RE during design.

Unsuitable material removal and replacement./ Additional soils investigation.

Financial Review

See table below.

Location	Scheduled Completion Date	Time Extensions (Days)	Adjusted Completion Date	Bid Amount	Estimated Contract Change Orders
1 Kearney Mesa MS	12-17-98	N/A	N/A	\$298,797	(\$20,000) Substitution with aluminum \$6,300 Additional canisters Total (\$13,700)
2 Escondido MS	12-23-98	N/A	1-13-98	\$490,405	(\$46,000) Substitution with epoxy coated \$5,000 add guard posts Total (\$41,000)
3 La Costa Park & Ride	11-2-98	10	N/A	\$ 208,955	\$8,000 Storm drain extension \$20,000 Unsuitable materials excavation (\$16,000) Delete electrical conduit Total \$12,000
4 SR-78/I-5 Park & Ride	11-16-98	N/A	N/A	\$ 224,502	\$5,000 plant establishment \$4,000 Safety railing (\$14,000) Revised vault location Total (\$5,000)
5 Melrose Ave/SR-78	11-19-98			87,038	\$5,000 Unsuitable material \$14,000 Sod installation (\$2,000) Delete seed Total \$16,000
6 I-5 Palomar Airport Road	12-23-98	N/A	N/A	\$129,361	Deleted from Procurement project
6 I-5 Palomar Airport Road		N/A	N/A		\$93,138
7 Carlsbad MS	11-19-98	5	N/A	\$157,800	\$10,000 Unsuitable subgrade \$5,000 Additional paving Total \$15,000

Construction Schedule Week Ending 6 November 1998

CALTRANS RETROFIT PILOT PROGRAM CONSTRUCTION PHASE SCHEDULE

Caltrans Retrofit Pilot Program District 11																
Site No.	Loc of Const	Site	District*	BMP Type	Engr	Project Type	Project/Site#	Advertise	Bid	CT NTP	Award	Ex Contract	Const Start	Const Period	Est. Project Completion	Percent Comp
111104		I-5/Manchester (East)	11-C*	EDB	RBF	PS&E	PRJ1#2								Hold	
111101	1	I-5/SR-56	11-C	EDB	RBF	PS&E	PRJ3#1	6/22/1998	9/3/1998	9/3/1998	9/8/1998	9/14/1998	9/14/1998	63	11/18/1998	90
111102	2	I-15/SR-78	11-S&C	EDB	RBF	PS&E	PRJ1#1	6/22/1998	9/3/1998	9/3/1998	9/8/1998	9/14/1998	9/14/1998	63	11/18/1998	80
111103	3	I-5/La Costa Ave.	11-S&C	IB	RBF	PS&E	PRJ3#2	6/22/1998	9/3/1998	9/3/1998	9/8/1998	9/14/1998	9/14/1998	63	11/18/1998	50
111105		I-5/Manchester (West)	11-C*	WB	RBF	PS&E	PRJ4#1								Hold	
112201	1	Kearny Mesa MS	11-S&C	MF (Compost)	AEI	Procurement	PRJ5#4	6/25/1998	7/21/1998	9/3/1998	9/4/1998	9/14/1998	11/10/1998	68	12/17/1998	1
112202	2	Escondido MS	11-S&C	MF	AEI	Procurement	PRJ5#1	6/25/1998	7/21/1998	9/3/1998	9/4/1998	9/14/1998	11/2/1998	68	12/23/1998	10
112203	3	La Costa P&R	11-S&C	MF	AEI	Procurement	PRJ5#3	6/25/1998	7/21/1998	9/3/1998	9/4/1998	9/14/1998	9/16/1998	68	11/21/1998	60
112204	4	SR-78/I-5 P&R	11-S&C	MF	AEI	Procurement	PRJ5#2	6/25/1998	7/21/1998	9/3/1998	9/4/1998	9/14/1998	9/23/1998	68	11/16/1998	10
112205	5	SR-78/Melrose Dr.	11-S&C	Bio. Swale	AEI	Procurement	PRJ2#3	6/25/1998	7/21/1998	9/3/1998	9/4/1998	9/14/1998	10/21/1998	68	11/19/1998	55
112206	6	I-5/Palmar Airport Rd.	11-S&C	Bio. Strip	AEI	Procurement	PRJ1#3	6/25/1998	7/21/1998	9/3/1998	9/4/1998	9/14/1998	9/16/1998	68	12/23/1998	1
112207	7	Carlsbad MS	11-S&C	Bio. Strip + IT	AEI	Procurement	PRJ2#1,2	6/25/1998	7/21/1998	9/3/1998	9/4/1998	9/14/1998	10/12/1998	68	11/19/1998	55

Caltrans Retrofit Pilot Program District 7																
73231	1 Package3	I-210/West of Orcas Ave.	7-S	TCB	MW	Procurement	PRJ1A#1	7/20/1998	9/18/1998							PSE
73232	2 Package 3	I-210/East of Orcas Ave.	7-S	TCB	MW	Procurement	PRJ1A#1	7/20/1998	9/18/1998							PSE
73233	3 Package 3	I-210/East of Filmore St.	7-S	TCB	MW	Procurement	PRJ1A#2	7/20/1998	9/18/1998							PSE
73234	4 Package 3	I-210/East of Van Nuys Blvd	7-S	TCB	MW	Procurement	PRJ1A#2	7/20/1998	9/18/1998							PSE
73101	1	I-605/SR-91 Interchange	7-S	IB	MW	PS&E	PRJ1#1	8/10/1998	9/3/1998	N/A	9/24/1998	10/2/1998	11/2/1998	45	1/15/1999	1
73211	1 Package 1	Altadena MS	7-S	Bio. Strip + IT	MW	Procurement	PRJ3#1,2	7/20/1998	8/13/1998	9/4/1998	9/8/1998	9/21/1998	9/28/1998	56	12/18/1998	20
73222a,b	2 Package 2	I-605/SR-91 Interchange	7-S	Bio.Strip+Swale	MW	Procurement	PRJ3#5	7/20/1998	9/18/1998							Neg.
73223	3 Package 2	Cerritos MS	7-S	Bio. Swale	MW	Procurement	PRJ3#4	7/20/1998	9/18/1998							Neg.
73224	4 Package 2	I-5/I-605	7-S	Bio. Swale	MW	Procurement	PRJ3#6	7/20/1998	9/18/1998							Neg.
73225	5 Package 2	I-605/Del Amo Ave.	7-S	Bio. Swale	MW	Procurement	PRJ3#7	7/20/1998	9/18/1998							Neg.
73216	6 Package 1	Foothill MS	7-S	CBI	MW	Procurement	PRJ3#8	7/20/1998	8/13/1998	9/4/1998	9/8/1998	9/21/1998	9/28/1998	18	12/18/1998	10
73217	7 Package 1	Las Flores MS	7-S	CBI	MW	Procurement	PRJ3#9	7/20/1998	8/13/1998	9/4/1998	9/8/1998	9/21/1998	9/28/1998	27	12/18/1998	75
73218	8 Package 1	Rosemead MS	7-S	CBI	MW	Procurement	PRJ3#10	7/20/1998	8/13/1998	9/4/1998	9/8/1998	9/21/1998	9/28/1998	20	12/18/1998	5
74101	1	I-5/I-605 Intersection	7-S	EDB	BC	PS&E	PRJ2#1	8/10/1998	9/3/1998	N/A	9/22/1998	10/2/1998	10/19/1998	40	12/16/1998	1
74102	2	I-605/SR-91 Intersection	7-S	EDB	BC	PS&E	PRJ2#2	8/10/1998	9/3/1998	N/A	9/22/1998	10/2/1998	10/19/1998	40	12/16/1998	1
74201	1	Alameda MS	7-S	Oil/Water Sep.	BC	Procurement	PRJ4#5	N/A	7/23/1998	8/27/1998	8/31/1998	8/31/1998	11/2/1998	45	1/29/1999	1
74202	2	Eastern Regional MS	7-S	MF	BC	Procurement	PRJ4#1	N/A	7/23/1998	8/27/1998	8/31/1998	8/31/1998	9/21/1998	71	12/15/1998	65
74203	3	Foothill MS	7-S	MF	BC	Procurement	PRJ4#2	N/A	7/23/1998	8/27/1998	8/31/1998	8/31/1998	10/2/1998	81	1/8/1999	35
74204	4	Termination P&R	7-S	MF	BC	Procurement	PRJ4#3	N/A	7/23/1998	8/27/1998	8/31/1998	8/31/1998	10/27/1998	87	12/23/1998	25
74205	5	Paxton P&R	7-S	MF	BC	Procurement	PRJ4#4									Hold
74206	6	Via Verde P&R	7-S	MCTT	BC	Procurement	PRJ4#8	N/A	7/23/1998	8/27/1998	8/31/1998	8/31/1998	10/14/1998	77	1/22/1999	5
74207	7	Metro MS	7-S	MCTT	BC	Procurement	PRJ4#7									Hold
74208	8	Lakewood P&R	7-S	MCTT	BC	Procurement	PRJ4#6	N/A	7/23/1998	8/27/1998	8/31/1998	8/31/1998	11/6/1998	90	2/5/1999	1

Site No. System Legend

11xxxx - Dist. 11	xx1xxx - RBF	xxx1xx - PSE	xxxx0x - No Pkg No.	xxxxx1 - Construction Site No.
07xxxx - Dist. 7	xx2xxx - AEI/Cas	xxx2xx - Procurement	xxxx1x - Pkg 1	
	xx3xxx - MW		xxxx2x - Pkg 2	
	xx4xxx - BC		xxxx3x - Pkg 3	

Hold
PSE
Neg. Project on hold
Revised P&S deve
Under Negotiation