



Aspen *Environmental Group*

PROJECT MEMORANDUM PG&E JEFFERSON-MARTIN 230KV TRANSMISSION PROJECT

To: Billie Blanchard, CPUC
From: Vida Strong, Aspen Project Manager
Date: June 21, 2005
Subject: Weekly Report #22: June 12, 2005 – June 18, 2005
CPUC Environmental Monitors (EM): Jody Fessler and Jenny Slaughter

CPUC EM Jody Fessler was on site June 14th, 16th and 17th along Segments 1, 2, 3, 4, and 5.

CPUC EM Jenny Slaughter was on site June 13th through June 16th along Segments 1, 2, 3, 4, and 5.

SEGMENT 1:

Summary of Activity:

Construction activities continued during the subject week with the excavation of trenches, installation of conduit, excavation of stub-outs at manholes, excavation of a manhole pit, and installation of a manhole vault. The weather was sunny in the beginning of the week with rain moving into the area mid-week through the end of the week. PG&E Environmental Inspectors (EIs) were on-site to ensure compliance with mitigation measures adopted in the EIR, Storm Water Pollution Prevention Plan (SWPPP), and other permit requirements. At least four PG&E EIs were on-site during daytime activities to inspect environmental compliance at the work sites and six to eight biological monitors were located on the west side of Cañada Road and Skyline Boulevard to watch for frogs and snakes, and to make sure these species did not enter the work site. The following activities occurred on Segment 1 during the subject week:

1. On June 13th, crews started excavating trench between Manholes #25 and #27 on Skyline Boulevard during the day shift. A pilot vehicle was used in this area with a biological monitor riding along to look for snakes in the road. The soil from the trenching activities was transported to Ox Mountain landfill in Half Moon Bay (Class 3 facility). Crews shored the trench as they excavated. Conduit was installed in the trench as the excavation progressed, and cement slurry was poured around the conduit as it was installed. Approximately 2185 linear feet of conduit was installed throughout the week. Biological monitors were placed on the west side of the biological exclusion fencing (BEF) along Skyline Boulevard. There were at least three PG&E EIs in the construction zone at all times. A small crew was on-site during the night to watch the construction area and to do some light work. A PG&E EI also stayed at the site at night to observe construction, watch for animals, and check under vehicles and equipment in case a crew member needed to move their vehicle. Crews conducted asphalt paving of the trench on Friday and Saturday. Clean-up activities were done on Friday and Saturday. All materials and traffic controls were removed from the construction area at the end of the day Saturday.
2. On June 13th, crews began the excavation of Manhole #24 pit on Skyline Boulevard during the day shift. The manhole vault was installed on Tuesday and partially backfilled with cement slurry (see Figure 1). On Wednesday, backfilling with cement slurry over the vault was completed, and on Thursday, the manhole area was paved over.
3. Crews conducted manhole prep work this week at Manholes #8 through #15 along Cañada Road. Traffic signs and cones were set up around the manhole to direct traffic around the work area.

4. Installation of Biological Exclusion Fencing (BEF) continued this week with BEF installed on Tuesday south of Manhole #25 towards Manhole #24 in preparation for the next week's trenching activities.
5. Proofing activities were conducted during the night shift throughout the week on Cañada Road. Crews were blowing string, pulling tape, pulling sponges, pulling wire brush, and pulling mandrels through the conduit. Grouting and cleaning of the manholes was also done.
6. Night trenching work continued on Skyline Boulevard this week starting the night of June 12th. Skyline Boulevard/Highway 35 was closed to public traffic from the Crystal Springs Dam to the Highway 35/Highway 92 Interchange from 9:00 p.m. Sunday to 5:00 a.m. Monday, and from 8:00 p.m. to 5:00 a.m., Monday through Friday. From Manhole #19, crews continued to trench south, installed conduit, and poured cement slurry in the trench. Approximately 432 linear feet of conduit was installed in the Caltrans area throughout the week. The soil from the trenching activities was transported to Ox Mountain landfill in Half Moon Bay (Class 3 facility). On Friday morning, trench plates were placed over the trenched area that was not completed yet in preparation for the weekend. BEF was installed at this location. One or two PG&E EIs were always on-site to ensure environmental compliance.
7. Traffic controls (signs, cones, and lights) were set up on Cañada Road and Skyline Boulevard at the construction sites. Traffic control flaggers were in place at either end and in the middle of the construction areas along Skyline Boulevard. A pilot vehicle was being used where there were stretches of traffic controls longer than 350 feet to slow traffic down as well as look out for San Francisco garter snakes. A biologist rode along in the pilot vehicle to look for snakes and frogs that may have gotten in the road. Traffic lights were set up at either end of traffic controls at night. Bright lights were set up at either end of traffic controls and in the construction zone at night.
8. Crews continue to use their staging yards at 40 Edwards Court in Burlingame and the southern Caltrans site along the Caltrans right-of-way on Highway 92/Highway 35.
9. No San Francisco garter snakes (SFGS) were sighted during the subject week along Segment 1. A California red-legged frog was seen each day near one of the construction sites.
10. On Friday and Saturday, crews conducted clean-up activities along Cañada Road, in the Caltrans area, and along Skyline Boulevard in preparation for the weekend.

Environmental Compliance Activities:

Bird surveys continued throughout the week along the segment from the Jefferson Substation north along Cañada Road and Skyline Boulevard to Hayne Road.

One non-compliance was issued by PG&E's EIs for Segment 1 on Friday, June 17th when night crews worked approximately ½ hour without any Environmental Inspectors or PG&E Inspectors. The crew was told to leave the project area.

Variance Request #7 was approved by the CPUC on June 13, 2005 for work within specified vegetated areas.

On June 15th, the CPUC EM learned that a track-hoe had gone off the road and into some vegetation during the night shift on the night of June 13th. The CPUC EM was not informed until June 15th of this incident. On June 17th, the CPUC EM observed a cement truck heading south on Skyline Boulevard just north of the Sawyer Camp Trail going over the speed limit. Construction management was informed of the incident. The CPUC EMs observed that all other Segment 1 construction activities were in compliance with mitigation measures adopted in the EIR and other permit requirements. Erosion controls were in place around the construction areas.

SEGMENT 2, UNDERGROUND & OVERHEAD

Summary of Activity

A Notice to Proceed (NTP) was issued for the Segment 2 underground portion, not including SFPUC lands, on March 8th. However, no NTP has been issued for the overhead component of Segment 2.

The CPUC EM conducted site visits of the underground segment throughout the week. Crews were working at Manholes #28 and #31, and trenching between Manholes #35 and #37 and along Trousdale Drive. A PG&E EI was on-site during construction to ensure compliance with the mitigation measures adopted in the EIR, Storm Water Pollution Prevention Plan (SWPPP), and other permit requirements. The following activities occurred on Segment 2 during the subject week:

1. Trench excavation continued between Manholes #35 and #37 on Skyline Boulevard and Trousdale Drive throughout the week. The trench was excavated throughout the week, conduit installed, and cement slurry poured over the conduit. Approximately 710 linear feet of conduit was installed in the trench during the week. Paving was done on Friday in this area.
2. Two manhole vaults were set this week. On Tuesday, June 14th, the vault was set at Manhole #31 with a large crane. The vault pit was backfilled throughout the rest of the week with cement slurry and the area paved over on Friday. On Thursday, June 16th, the vault was set at Manhole #28 with a large crane (see Figure 2). The vault pit was partially backfilled with cement slurry and plated with steel plates on Friday.
3. Traffic controls (signs, cones, and flaggers) were set up on Trousdale Drive and Skyline Boulevard at the trenching location, the manhole locations during active construction.
4. Crews continue to use the Northern Caltrans Staging Yard at the corner of Skyline Boulevard and Hayne Road. Crews are also using the Staging Yard at 60 Edwards Court in Burlingame to store equipment and materials.
5. Clean-up activities were conducted at the end of each day at the active construction sites. A street sweeper is running daily along Skyline Boulevard from 2:00 p.m. to 6:00 p.m.

Environmental Compliance Activities:

Bird surveys continued throughout the week from Hayne Road north along Skyline Boulevard to Trousdale Drive for the underground segment, and from Trousdale Drive north along San Andreas Lake west and parallel to Highway 280, and Skyline Boulevard to Glenview Drive for the overhead segment.

One non-compliance was issued by PG&E EIs during the subject week for Segment 2. On June 14th, oil and power steering fluid was observed on the pavement near Manhole #28. By the end of the workday, not all areas had been cleaned and rain was forecasted for the following day.

On June 13th, the CPUC EM noted that the street sweeper working at Manhole #31 was holding up traffic along Skyline Boulevard. Several cars tried to pass causing dangerous situations. The CPUC EM also noted that crews did not thoroughly clean up the area around Manhole #31 on Monday. Also, crews went past their 5:00 p.m. deadline in the City of Hillsborough on Monday. The CPUC EM notified the PG&E EI of these incidents. The CPUC EMs observed that all other Segment 2 underground construction activities were in compliance with mitigation measures adopted in the EIR and other permit requirements. Erosion controls were in place around the construction areas.

PG&E continues to work with CDFG regarding woodrat removal activities that previously occurred along the overhead portion of Segment 2 without CDFG concurrence. PG&E is also consulting with USFWS and CDFG regarding biological resources along the entire overhead segment.

SEGMENT 3:

Summary of Activity:

Construction continued along Segment 3 this week with the excavation of a manhole pit and the installation of a manhole vault. The week's activities are as follows:

1. The excavation of Manhole #39 pit continued this week on Glenview Drive at the western end of the segment. Crews encountered water about 7 feet down. A baker tank was brought onto the site on Wednesday for the dewatering of the pit. The vault was set on Friday with a large crane and the shoring dismantled and removed from the area (see Figure 3). The pit was plated with steel plates at the end of each day.
2. Traffic controls were set up around the work area. Signs and cones were set up around the work area and a flagger was in place at the construction site to help direct traffic.

Environmental Compliance Activities:

Bird surveys continued throughout the week and nests were spot-checked for disturbance caused by construction activity.

No non-compliances were issued by PG&E EIs during the subject week for Segment 3.

The CPUC EMs observed that all Segment 3 construction activities were in compliance with mitigation measures adopted in the EIR and other permit requirements.

SEGMENT 4:

Summary of Activity:

Segment 4 construction continued this week with the excavation of trench between Manholes #48 and #49 at the southern end of the segment in the BART right-of-way. Crews also worked at Manhole #54 within the BART right-of-way, and at Manholes #57 and #58 along Lawndale Drive. A PG&E EI was on-site during construction to ensure compliance with the mitigation measures adopted in the EIR, Storm Water Pollution Prevention Plan (SWPPP), and other permit requirements. The following activities occurred on Segment 4 during the subject week:

1. On Monday, June 6th, excavation of trench and installation of conduit continued between Manholes #48 and #49 in the BART right-of-way. Crews continued to work at this location throughout the week. Approximately 660 linear feet of conduit was installed throughout the week. The trench area had chain link fence sections placed over the trenches at the end of each day and the construction zone was surrounded by snow fencing. No vehicles can access this area after work hours without unlocking a chain across the access road.
2. Two vaults were set this week along Lawndale Drive. On Monday, June 13th, crews continued to work at Manhole #57 in preparation to set the vault. On Tuesday, the Manhole #57 vault was set by a large crane. Crews continued to work at that location throughout the week setting manhole rings and backfilling the vault with cement slurry. Manhole #58 was excavated early in the week and the vault set by a large crane on Thursday (see Figure 4). The vault pit was covered with steel plates at the end of the day, and no work was done on Friday.
3. No crews worked on Friday along Segment 4.

Environmental Compliance Activities:

Bird surveys continued throughout the week along the BART right-of-way.

No non-compliances were issued by PG&E's EIs this week.

Black & Veatch's Industrial Hygienist completed discussions with Aspen's Technical Expert regarding proposed soil testing methods for contaminants for the BART right-of-way north of South Spruce Street.

On June 14th, the CPUC EM observed that a cement truck spilled water and small amount of slurry onto the road and that the spill was not immediately cleaned up. The CPUC EM informed PG&E's EI of the incident. On June 16th, at the end of the day, the CPUC EM observed some dirt and rocks on the road at the entrance/exit area on South Spruce Street to the trenching area between Manholes #48 and #49. The CPUC EM informed PG&E's EI of the issue. The CPUC EMs observed that all other Segment 4 construction activities were in compliance with mitigation measures adopted in the EIR and other permit requirements.

SEGMENT 5:

Summary of Activity:

Construction activities continued along Bayshore Boulevard throughout the week in the City of Brisbane. The new encroachment permit is for 24 hour closure of lanes all along Bayshore Boulevard, allowing crews to work seven days a week for the next 6 weeks. There was a PG&E EI on-site to ensure compliance with mitigation measures adopted in the EIR, Storm Water Pollution Prevention Plan (SWPPP), and other permit requirements. The following activities occurred on Segment 5 during the subject week:

1. Trench was excavated throughout the week between Manholes #77 and #78 on Bayshore Boulevard (see Figure 5). The trench was excavated and shored, conduit installed, rebar installed around the conduit, cement slurry poured over the conduit, and the trench paved throughout the week. Approximately 846 linear feet of conduit was installed throughout the week.
2. The construction zone along Bayshore Boulevard is in the middle of the road with one lane of southbound traffic blocked off. K-rails run along both sides of the construction zone and the only access to the construction zone is at either the south end or north end of the zone.
3. Traffic controls (signs, cones, and lights) were set up on Bayshore Boulevard from the intersection of Guadalupe Canyon Parkway to Geneva Street in Brisbane. Bright lights were set up on either end of the project at night. A small night crew stayed on-site at night and did some light work. Safety monitors were in place in the Controlled Access Zone (CAZ) to keep track of how many people were in the construction area and if they were CAZ trained.
4. Traffic controls (signs and cones) were set up on Guadalupe Canyon Parkway and one lane of east-bound traffic was closed for the staging of end dumps and cement trucks that were waiting to enter the work zone along Bayshore Boulevard.
5. An Encroachment Permit for construction in Daly City is expected to be issued this week.
6. Conduit still has to be attached to the bridge at the top of San Bruno Mountain on Guadalupe Canyon Parkway. Once the brackets are made, construction crews will complete the bridge work.
7. Construction crews continue to use their staging yard at the corner of North Access Road and South Airport Boulevard for the storage of equipment, materials and two trailers they are using for office space. Three Baker tanks are on site at that location.

Environmental Compliance Activities:

Bird surveys continued throughout the week along the segment from approximately Orange Court east along Guadalupe Parkway and Bayshore Boulevard to the Martin Substation.

Biological monitors spot-checked nests for disturbance along the active construction zones.

A Native American Monitor was on site Monday through Friday to observe excavation on Bayshore Boulevard from Main Street north.

No non-compliances were issued by PG&E's EIs during the subject week for Segment 5.

On June 14th, the CPUC EM observed several oil and/or hydraulic spots along Main Street where construction vehicles have been parking. The CPUC EM informed PG&E's EI of the issue. On June 15th, the CPUC EM observed that a refueling crew did not have a complete spill kit. When asked, the crew went and got two complete spill kits. The CPUC EMs observed that all other Segment 5 construction activities were in compliance with mitigation measures adopted in the EIR and other permit requirements. Erosion controls were in place around the construction areas.

NOTICES TO PROCEED (NTP):

Table 1 presents the NTPs issued by the CPUC for the Jefferson-Martin Project to date.

TABLE 1
NOTICES TO PROCEED
(Updated 6-21-05)

NTP #	Date Issued	Description
#1	1-10-05	Segment 1, underground only Segment 5, unincorporated San Mateo County only
#2	3-08-05	Segment 2, underground only, not including SFPUC lands
#3	3-11-05	Segment 5, incorporated
#4	3-11-05	Segment 3
#5	3-30-05	Segment 4

ENVIRONMENTAL COMPLIANCE:

One Non-Compliance Report (NCR) and six Project Memorandums (PMs) have been issued by the CPUC EMs for the project to date (see Table 2).

TABLE 2
ENVIRONMENTAL COMPLIANCE STATUS
(Updated 6-21-05)

Project Memo or NCR	Date Issued	Description	Follow-Up Activities
NCR (Level 3)	2-01-05	Segment 2 Overhead – Dismantling and removal of woodrat nests along the overhead route without consulting with CDFG.	PG&E consulting with CDFG on how to proceed.
PM	2-09-05	Segment 1 – Breach of trenching activities into vegetated drainage on east side of Cañada Road between MH #7 and MH #8.	PG&E consulting with CDFG and USFWS on how to proceed.
PM	2-16-05	Segment 5 – Dewatering of Manhole #67 vault pit without consulting with RWQCB on handling of water	PG&E consulting with RWQCB on how to proceed with storm water and groundwater.
PM	3-04-05	Segment 1 – Hummingbird nest found near Manhole #5 on Monday, Feb. 28 th , and not reported to CPUC or CDFG until Thursday, March 3 rd .	PG&E discussing better communication between PG&E and sub-contractors.
PM	5-27-05	Segment 2 Underground – Construction went past the City of Burlingame’s Encroachment Permit on May 25 th and May 26 th .	PG&E reviewing Project Memorandum.
PM	5-27-05	Segment 2 Underground – Several traffic control violations were observed. A traffic control flagger left his post several times which endangered the public.	PG&E reviewing Project Memorandum.
PM	6-01-05	Segment 1 – End dump parked on vegetation in the Caltrans right-of-way disturbing vegetation	PG&E reviewing Project Memorandum

VARIANCE REQUESTS:

Variance Request #7 was submitted on June 6th to allow for intrusion into vegetated areas at several locations along Segment 1. This request was approved by the CPUC on June 13th.

TABLE 3
VARIANCE REQUEST STATUS
(Updated 6-21-05)

Variance Request #	Date Submitted	Description	Status	CPUC Approval Date
1	1-14-05	40 Edwards Court, Burlingame – Paved parking lot that is fenced to be used as a staging yard.	Approved	1-18-05
2	2-04-05	Staging yard, Airport Boulevard & North Access Road., South San Francisco.	Approved	2-09-05
3	2-22-05	Change compliance timing for Mitigation Measure U-1c, corrosion, from pre-construction to during construction.	Approved	3-04-05
4	4-28-05	Staging yard, Herman Street and Forest Lane, City of San Bruno	Approved	5-03-05
5	5-12-05	Jefferson Substation Expansion Area – Cap well, empty water out of tank into truck, and remove tank from property	Approved	5-20-05
6	5-24-05	Staging yard for Segment 4 construction, intersection of Antoinette Lane and Mission Road, City of South San Francisco.	Approved	5-26-05
7	06-06-05	Intrusion into vegetated areas at several locations along Segment 1.	Approved	6-13-05

UPCOMING ITEMS:

PG&E holds the following weekly meetings to review issues and upcoming events:

- Segment 1 on Friday (12:00 p.m., San Mateo B&V office) and Tuesday (8:00 a.m., Hayward B&V office);
- Segment 2 on Friday (10:00 a.m., San Bruno B&V office) and Tuesday (9:30 a.m., Hayward B&V office);
- Segment 3 on Tuesday (11:00 a.m., Hayward B&V office);
- Segment 4 on Monday (1:00 p.m., San Bruno B&V office) and Tuesday (10:15 a.m., Hayward B&V office); and
- Segment 5 on Monday (3:00 p.m., South SF Mueller/InfraSource Staging Yard) and Tuesdays (8:45 a.m., Hayward B&V office).

AGENCY PERSONNEL CONTACTS:

The CPUC EMs spoke with the BART Inspector, the City of Colma Inspector, and the City of Brisbane Inspector several times throughout the week.

Photographs



Figure 1 – Removing shoring at Manhole #24 with a large crane, Segment 1, June 14, 2005



Figure 2 – Crews installing Manhole #28 on Skyline Boulevard, Segment 2 Underground, June 16, 2005



Figure 3 – Crews dismantling and removing shoring from Manhole #39, Segment 3, June 17, 2005



Figure 4 – Crews plating Manhole #58 pit after vault was set on Lawndale Drive, Segment 4, June 16, 2005.



Figure 5- Trench along Bayshore Boulevard in the City of Brisbane, Segment 5, June 16, 2005