



Aspen *Environmental Group*

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

To: Billie Blanchard, CPUC
From: Vida Strong, Aspen Project Manager
Date: June 14, 2005
Subject: Weekly Report #21: June 5, 2005 – June 11, 2005
CPUC Environmental Monitors (EM): Jody Fessler and Jenny Slaughter

CPUC EM Jenny Slaughter was on site June 6th through June 9th 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 manhole pits, and installation of manhole vaults. The weather was windy 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 ten 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 6th, crews started excavating trench between Manhole #6 and Manhole #7 on Cañada Road. Some conduit has been installed between Manhole #6 and Manhole #7, but it was not completed previously due to very wet soil conditions. 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 1660 linear feet of conduit was installed throughout the week. Biological monitors were placed on the west side of the biological exclusion fencing (BEF) along Cañada Road. 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. 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. Clean-up activities were done on Thursday and Friday. All materials and traffic controls were removed from the construction area at the end of the day Friday.
2. 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.
3. Night trenching work continued on Skyline Boulevard this week starting the night of June 5th. 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 north, installed conduit, and poured cement slurry in the trench. Approximately 320 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 night, 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.

4. Excavation of Manhole #25 and Manhole #26 took place this week during the day in County jurisdiction on Skyline Boulevard. Both Manhole #25 and Manhole #26 pits were excavated and shored on Tuesday and the vaults installed on Wednesday (see Figure 1). Cement slurry poured over and around the vaults on Wednesday and Thursday, and the areas paved over on Friday. K-rails were set up around the manhole areas. Traffic controls were in place from Manhole #25 to Manhole #27 with a pilot car in use. Flaggers were also in place during the day to direct traffic and biological monitors were stationed on the west side of the BEF.
5. Traffic controls (signs, cones, and lights) were set up on Cañada Road at the construction site. Traffic control flaggers were in place at either end and in the middle of the construction areas along Cañada Road. 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.
6. 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.
7. No San Francisco garter snakes (SFGS) were sighted during the subject week along Segment 1.
8. On Friday, 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.

No non-compliances were issued by PG&E's EIs for Segment 1.

The CPUC EM reviewed PG&E's Variance Request #7 this last week. Information and Aspen's recommendations were sent to the CPUC for review and approval on Friday, June 10th.

The CPUC EM observed that all 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 #30, #35, #37, and trenching between Manholes #35 and Manhole #37, throughout most of the week. 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 Manhole #35 and Manhole #37 south of the I-280 NB off-ramp intersection with Skyline Boulevard throughout the week. The trench was excavated throughout the week, conduit installed, and cement slurry poured over the conduit. Approximately 854 linear feet of conduit was installed in the trench during the week. Paving was done on Friday in this area.
2. Stub-outs were completed at Manhole #35. Conduit was installed in the stub-out pits, cement slurry poured and steel plates placed over the area on Friday. One stub-out was completed at Manhole #37, in the Caltrans portion of Trousdale Drive.
3. On Tuesday, May 31st, crews started working at Manhole #34 stub-outs. The stub-outs were excavated and conduit installed in the stub-outs throughout the week. Trench plates were placed over the stub-outs at the end of each day. More work has to be done at this location before the stub-outs can be paved over.
4. At Manhole #30, crews completed excavation of the pit and installed the vault (see Figure 2). Because of cave-in problems at this location, repairs along the sidewalk will be necessary at this location. Steel plates were placed over the pit at the end of each day.
5. Traffic controls (signs, cones, and flaggers) were set up on Trousdale Drive and Skyline Boulevard at the trenching location, the manhole locations, and the saw-cutting areas during active construction.
6. 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.
7. 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.

No non-compliances were issued by PG&E EIs during the subject week for Segment 2.

On Tuesday, June 7th, the CPUC EM was informed that steel plates were placed partially off the road in vegetation. PG&E's EI asked that the plates be moved off the vegetation and back onto the road. The plates were moved and the CPUC EM inspected the vegetated area. The vegetation at that site was ruderal, non-native vegetation and no resources were impacted. The CPUC EM also noted the following issues: (1) The cold patch around the trench plates could have been compacted more thoroughly. The CPUC EM informed the PG&E EI and construction management of this issue. (2) The CPUC EM also noted that the street sweeper let too much water run while not moving; thereby, causing water to run across the road and into a V-ditch. The water did not reach any storm drains. Construction management told the street sweeper operator to be aware of how much water was being released.

The CPUC EM 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:

The Segment 3 pre-construction meeting was held Wednesday, June 8th, at the Black & Veatch office in San Mateo. Construction started this week with pot-holing activities beginning on June 9th at Manhole #39 on Glenview Drive (see Figure 3).

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 EM 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 Manhole #48 and Manhole #49 at the southern end of the segment in the BART right-of-way. Crews also worked at Manhole #53 and Manhole #55 within the BART right-of-way. 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 Manhole #48 and Manhole #49 in the BART right-of-way. Crews continued to work at this location throughout the week. Approximately 536 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. On Monday, June 6th, the Manhole #55 pit was excavated and shored. The vault was set on Tuesday and the area backfilled. On Wednesday, June 8th, Manhole #53 pit was excavated and shored. The vault was set on Thursday (see Figure 4). Manhole #53 still has to be backfilled. The pit areas were covered with plywood at the end of each day and the work area surrounded with chain link fencing.

Environmental Compliance Activities:

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

One non-compliance was issued by PG&E's EIs on Wednesday, June 8th for a cement spill that occurred near Manhole #55. Approximately 10 gallons of cement slurry spilled out of the chute of a cement truck while the driver was maneuvering around the manhole. Some of the slurry went over the silt fence and onto the concrete channel of Colma Creek; however, it was reported that no slurry reached the water. The PG&E EI noticed the spill approximately ½ hour after it had occurred and had noticed that it had not been cleaned up. There was no foreman present at the work site and the CPUC EM was not notified for several hours. The crew was told to clean up the spill and reminded that spills need to be cleaned immediately. From now on, a construction foreperson will be present during cement pours at this site. PG&E EIs and construction management were reminded that all spills need to be immediately reported to the CPUC EM.

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

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 7 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. On Monday, June 6th, Manhole #77 vault was set on Bayshore Boulevard in Brisbane. Cement slurry was poured over and around the vault and the manhole rings set throughout the week.
2. Trench was excavated throughout the week heading south of Manhole #78 on Bayshore Boulevard. Approximately 1,653 linear feet of conduit was installed throughout the week.
3. The construction zone along Bayshore Boulevard is in the middle of the road with one lane of southbound traffic blocked off (see Figure 5). 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.
4. 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.
5. Soil characterization and construction staking took place in Daly City under a "Conditional Encroachment Permit" from Daly City. An Encroachment Permit for construction is expected to be issued next 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, but no work was done in the area that required a Native American Monitor.

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

The CPUC EM reminded PG&E EIs and construction management of the importance of dust control while working along Bayshore Boulevard on Monday in the field and at Tuesday's Weekly Coordination Meeting.

The CPUC EM observed that all 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 6-14-05)

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 6-14-05)

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 6-14-05)

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 EM left a message for Dave Johnston with CDFG regarding Variance Request #7 for Segment 1.

Photographs



Figure 1 – Ring placement at Manhole #26, Segment 1, June 7, 2005



Figure 2 – Crews removing shoring at Manhole #30 on Skyline Boulevard, Segment 2 Underground, June 7, 2005



Figure 3 – Crews potholing near Manhole #39 Segment 3, June 9, 2005



Figure 4 – Shoring and vault placement at Manhole #53, in Segment 4, June 9, 2005.



Figure 5- Segment 5 along Bayshore Boulevard in the City of Brisbane, June 6, 2005