STATE OF CALIFORNIA – DEPARTMENT OF TRANSPORTATION

RESIDENT ENGINEER'S DAILY REPORT
ASST. RESIDENT ENGINEER'S DAILY REPORT

DC-CEM-4501-CUSTOM

RESIDENT ENGINEER'S DAILY REPORT – FILE CAT. 45 ☐

ASST. RESIDENT ENGINEER'S DAILY REPORT – FILE CAT. 46 X

JOB STAMP

04-0120F4
04-SF-80-13.2/13.9
SAS

REPORT NO.:	DATE:
473 to 479	03/30/08 to 04/05/08 M T W T F S S (Circle Day)
SHIFT HOUR: START; 07:30 STOP; 16:00	TEMPERATURE: MIN; NA MAX; NA
WEATHER: (NA – See Weakly Statement of Working Days)	

Sunday:

- No Activity.

Monday: (I worked 8.0 O.T.)

- State Holiday.
- Go out to the Jobsite. Did not see any flagging activity or district item work.
- Work on SWPPP Photos and update SWPPP Files for District SWPPP Inspection.
- Review PMIV and response action items.
- Checking and reply emails.
- Prepare Asst. Resident Engineer's Daily Report and Jobsite Diary Report.

Tuesday:

- Go out to the Jobsite. Did not see any flagging activity or district item work.
- Do Weekly Jointly SWPPP Inspection with ABF. (SWPPP Inspection Report is attached)
- Update SWPPP Files and make sure jobsite are ready for tomorrow's District SWPPP Inspection.
- Review PMIV and response action items.
- Checking and reply emails.
- Prepare Asst. Resident Engineer's Daily Report and Jobsite Diary Report.

Wednesday:

- Go out to the Jobsite. Did not see any flagging activity or district item work.
- Do District SWPPP Inspection with Chris Knoche, and Branden Bedwell.
- Review PMIV and response action items.
- Checking and reply emails.
- Prepare Asst. Resident Engineer's Daily Report and Jobsite Diary Report.

Thursday:

- Attend Construction Safety Meeting.
- Attend SAS Staff Meeting.
- Work on order my business card.
- Review contractor SWPPP Attachment H reports.
- Checking and reply emails.
- Prepare Asst. Resident Engineer's Daily Report and Jobsite Diary Report.

SIGNATURE	TITLE
(Robert Wong)	T.E & Office Engineer, SAS

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RESIDENT ENGINEER'S DAILY REPORT – FILE CAT. 45 [ ]

ASST. RESIDENT ENGINEER'S DAILY REPORT – FILE CAT. 46 [X]

JOB STAMP

04-0120F4
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SAS

REPORT NO.: 473 to 479	DATE: 03/30/08 to 04/05/08 [M T W T F] S S (Circle Day)
SHIFT HOUR: START; 07:30 STOP; 16:00	TEMPERATURE: MIN; NA MAX; NA
WEATHER: (NA – See Weakly Statement of Working Days)	

Friday:

- Go out to the Jobsite. Did not see any flagging activity or district item work.
- Fill out on-line vehicle log.
- Review Special Provision and discuss with Darryl Schram about the payment method for SWPPP Items.
- Checking and reply emails.
- Prepare Asst. Resident Engineer's Daily Report and Jobsite Diary Report.

Saturday:

- No Activity.

SIGNATURE (Robert Wong) TITLE T.E & Office Engineer, SAS

Attachment H

Storm Water Quality Construction Site Inspection Checklist

GENERAL INFORMATION				
Project Name	San Francisco Oakland Bay Bridge East Span Seismic Safety Project, Self-Anchored Suspension Bridge			
Caltrans Contract N°	04-0120F4			
Contractor	American Bridge Fluor			
Inspector's Name	Robert Wong			
Inspector's Title	SWPPP Inspector			
Signature				
Date of Inspection	4/08.			
Inspection Type (Check Applicable)	☐ Prior to forecast rain ☐ 24-hr intervals during extended rain		☐ After a rain event ☒ Other Weekly	
Season (Check Applicable)	☒ Rainy		☐ Non-Rainy	
Storm Data	Storm Start Date & Time:		Storm Duration (hrs):	
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (mm)	

PROJECT AREA SUMMARY AND DISTURBED SOIL AREA (DSA) SIZE LIMITS FROM SPECIAL PROVISIONS				
Total Project Area	_____	Hectares	2.5	Acres
Rainy Season DSA Limit	_____	Hectares	_____	Acres
Field Estimate of Non-Active DSAs	_____	Hectares	_____	Acres
Field Estimate of Active DSAs	_____	Hectares	_____	Acres

OTHER REQUIREMENTS				
Requirement	**Yes**	**No**	**N/A**	**Corrective Action**
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	X			
Location:				
Location:				
Location:				
Location:				
Temporary Soil Stabilization				
Does the applied temporary soil stabilization provide 100% coverage for the required areas?	X			
Are any non-vegetated areas that may require temporary soil stabilization?		X		
Is the area where temporary soil stabilization required free from visible erosion?	X			
Location:				
Location:				
Location:				
Location:				
Temporary Linear Sediment Barriers				
Are temporary linear sediment barriers properly installed in accordance with the details, functional and maintained?	X			
Are temporary linear sediment barriers free of accumulated litter?	X			
Is the built-up sediment less than 1/3 the height of the barrier?	X			
Are cross barriers installed where necessary and properly spaced?	X			
Are fiber rolls installed and maintained on required slopes in accordance with the details, functional and maintained?	X			
Location:				
Location:				
Location:				
Location:				
Location:				
Storm Drain Inlet Protection				
Are storm drain inlets internal to the project properly protected with either Type 1, 2 or 3 inlet protection?	X			
Are storm drain inlet protection devices in working order and being properly maintained?	X			
Location:				
Location:				
Location:				
Location:				

OTHER REQUIREMENTS				
Requirement	**Yes**	**No**	**N/A**	**Corrective Action**
Location:				
Desilting Basins				
Are basins maintained to provide the required retention/detention?			X	
Are basin controls (inlets, outlets, diversions, weirs, spillways, and racks) in working order?			X	
Location:				
Location:				
Location:				
Location:				
Stockpiles				
Are all locations of temporary stockpiles, including soil, hazardous waste, and construction materials in approved areas?	X			
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	X			
Are stockpiles located at least 15 m from concentrated flows, downstream drainage courses and storm drain inlets?	X			
Are required covers and/or perimeter controls in place?	X			
Location:				
Location:				
Location:				
Location:				
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	X			
Location:				
Location:				
Location:				
Location:				
Tracking Control				
Are points of ingress/egress to public/private roads inspected, swept, and vacuumed daily?	X			
Are all paved areas free of visible sediment tracking or other particulate matter?	X			
Location:				
Location:				
Location:				
Location:				
Wind Erosion Control				
Is dust control implemented in conformance with Section 10 of the Standard Specifications?	X			
Location:				

OTHER REQUIREMENTS				
Requirement	**Yes**	**No**	**N/A**	**Corrective Action**
Location:				
Location:				
Location:				
Dewatering Operations				
Is dewatering handled in conformance with the dewatering permit issued by the RWQCB?			X	
Is required treatment provided for dewatering effluent?			X	
Location:				
Location:				
Location:				
Location:				
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	X			
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	X			
If no, are drip pans used?				
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m away from downstream drainage facilities and watercourses, and protected from run-on and runoff?	X			
Is wash water contained for infiltration/ evaporation and disposed of outside the highway right of way?			X	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?			X	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	X			
Location:				
Location:				
Location:				
Location:				
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	X			
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	X			
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	X			
Are bagged and boxed materials stored on pallets?	X			
Are hazardous materials and wastes stored in appropriate, labeled containers?	X			

OTHER REQUIREMENTS				
Requirement	**Yes**	**No**	**N/A**	**Corrective Action**
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	X			
Are temporary containment facilities free of spills and rainwater?	X			
Are temporary containment facilities and bagged/boxed materials covered?	X			
Are temporary concrete washout facilities designated and being used?	X			
Are temporary concrete washout facilities functional for receiving and containing concrete waste and are concrete residues prevented from entering the drainage system?	X			
Do temporary concrete washout facilities provide sufficient volume and freeboard for planned concrete operations?	X			
Are the temporary concrete washout facilities' PVC liners free from punctures and holes?	X			
Are concrete wastes, including residues from cutting and grinding, contained and disposed of off-site or in concrete washout facilities?	X			
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	X			
Is the site free of litter?	X			
Are trash receptacles provided in the Contractor's yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	X			
Is litter from work areas within the construction limits of the project site collected and placed in watertight dumpsters?	X			
Are waste management receptacles free of leaks?	X			
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	X			
Are waste management receptacles filled at or beyond capacity?		X		
Location:				
Location:				
Location:				
Location:				
Temporary Water Body Crossing or Encroachment				
Are temporary water body crossings and encroachments constructed as shown on the plans or as approved by the engineer?			X	
Does the project conform to the requirements of the 404 permit and/or 1601agreement?			X	
Location:				
Location:				
Location:				
Location:				
Illicit Connection/Illegal Discharge Detection and Reporting				
Is there any evidence of illicit discharges or illegal dumping on the project site?		X		

OTHER REQUIREMENTS				
Requirement	**Yes**	**No**	**N/A**	**Corrective Action**
If yes, has the Engineer been notified?				
Location:				
Location:				
Location:				
Location:				
Discharge Points				
Are discharge points and discharge flows free from noticeable pollutants?	X			
Are discharge points free of any significant erosion or sediment transport?	X			
Location:				
Location:				
Location:				
Location:				
WPCP/SWPPP Update				
Do the WPCP/SWPPP, Project Schedule/Water Pollution Control Schedule and WPCDs adequately reflect the current site conditions and contractor operations?	X			
Are all BMPs shown on the WPCDs installed in the proper location(s) and according to the details for the plan?	X			
Location:				
Location:				
Location:				
Location:				
General				
Are there any other potential water pollution control concerns at the site?		X		
Location:				
Location:				
Location:				
Location:				
Storm Water Monitoring				
Does storm water discharge directly to an water body listed as impaired for sediment/sedimentation or turbidity in the General Construction Activity Permit?		X		
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan, if required, during rain events?				
Were there any BMPs not properly implemented, or breaches, malfunctions, leakages or spills observed, which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?		X		

OTHER REQUIREMENTS				
Requirement	**Yes**	**No**	**N/A**	**Corrective Action**
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?				
Were soil amendments (e.g., gypsum) used on the project?		X		
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?				
Did storm water contact stored materials or waste and resulted in a discharge from the construction site? (Materials not in watertight containers, etc.)		X		
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?				

Rainy Season Inspection Report

(October 15th to April 15th)

SWPPP	XX	WPCP	
FY Report #		Project Rpt #	

CO-RTE-P.M. :	04-SF-80-13.2/13.9; 0.6km - 1.3km East of Yerba Buena Island SFOBB SAS Bridge	**Project EA :**	04-0120F4
RE Name:	Gary Pursell	RE Phone	510-622-5660
WPC Proj. Inspector	Robert Wong and Frances Marconi	Inspect Phone:	510-867-6108
OS RE		OS RE Phone	
Contractor:	American Bridge/Flour JV – B. Bedwell	RE Fax:	
Permits:		Inspection Date	

Inspector	Chris Knoche, CT D-4 Water Quality Specialist	**WPC Inspection Type**						
Participants	R. Wong & F. Marconi - Caltrans Project SWPPP Inspector; Branden Bedwell – ABF JV	Rain		Pre		During		Post
		Regular	X	Staff req		Dragomir request		

Inspection Score		**Red Flag-** Major or critical deficiencies exist that require immediate attention.
		Yellow Flag- Several minor deficiencies exist.(requires prompt attention)
	XX	**Green Flag** – Few minor or Insignificant deficiencies exist.
		Not Rated – Not a compliance inspection.

Office Review:	Yes	No		
1. SWPP/WPCP Approved by RE	X			
2. Annual certification complete for FY & on file	X			
3. Inspection reports in Category 20 project files	X		9 Date of last Inspection by Contractor	
4. Inspection Report-appropriate level of detail & photos	X		10. Last inspection date by project staff:	March 26, 2008
5. Project inspection on file for last rain event	X		11. Date of last rain event:	February 22, 2008
6. Staff attended WPC training 2001	X			
7. Staff requires/requested training	X			
8. SWPPP has annual rainy season amendment prepared			12 Date of annual & last amendment	

Job Description: Construction of the Self – Anchored Suspension (SAS) Bridge section for the San Francisco Oakland Bay Bridge

Rating Justification: Green. Generally the contractor is complying with the SWPPP. Some additional BMPs are needed to control the dust at the drilling sites for the temporary bents.

Field Review & General Observations:

The following issues were observed and/or need immediate attention (action items are shown in **blue**):

- Photos 1 and 2 shows the stage of construction.
- **Photos 3 and 4 shows the access road to W2 construction site has tracking from the adjacent project (04-0120R4).**
- Neatly organized and properly staged materials and supplies located along the access road (Photos 5 and 6).
- Good BMP practices were observed and demonstrated in Photos 7 through 9.
- **Small amount of saw dust needs to be cleaned up near the end of the day (Photo 10).**
- **Small amount of spilled Kleen blast located near the carpenters shop needs to be cleaned up at the end of the day (Photo 11).**
- View of false works at Bent W2 (Photo 12).
- Good BMP practices related to refueling activities were observed and demonstrated in Photos 13 through 18.
- View of the subcontractors work area viewed from the top of W2 (Photo 19).
- Subcontractor is working on the construction of temporary pile caps. Drilling is in progress for temporary pile Cap A1 shown in the lower left of Photo 20.
- **Drilling activities for temporary piles A1. Note the extent of the fine drill cuttings. Drill cuttings need to be picked up to prevent it from being blown into the Bay. Water needs to be used for dust control (Photos 21 and 22).**
- Grouting equipment and supplies are in good condition and covered with plastic (Photo 23 and 24).
- Good BMP practices were observed and demonstrated in Photos 25 through 29.
- **Small amount of Kleen blast needs to be cleaned up on the east side of the false work (Photo 30).**
- Evidence that the contractor is cleaning up debris on a regular basis (Photo 31).
- **Clean-up the Kleen blast material before it is blown over the side of the false works (Photo 32).**

- Rebar work is on-going (Photos 33 and 34).
- Exit has minor tracking (Photo 35).
- Contractor is preparing several barges to be staged at Yerba Buena Island in support of SAS Bridge construction activities (Photos 36 through 39). These areas need to be included in future SWPPP inspections. As the barges are being prepared for construction activities, SWPPP protocols need to be followed especially NS-13.
- Pier 7 needs to be kept clean and the existing BMPs need to be maintained (Photos 40 and 41).
- Welding activities on Pier 7 (Photo 42). No issues observed. Contractor needs to clean-up welding waste at the end of the work day.

Rainy Season BMP Requirements

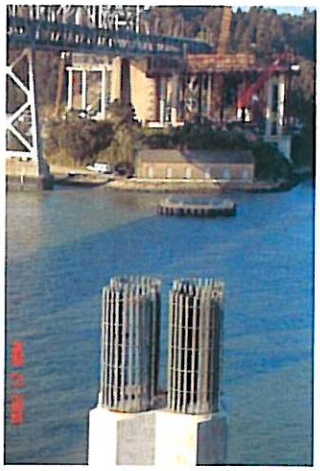
EA No.: 04-0120F1

1=V good (100%-90% effective/correct)
2=Good (89%-75% effective/correct)
3=Fair (74%-65% effective/correct
4=Poor (64%-50% effective/correct)
5=V Poor (Less 50% effective/correct)

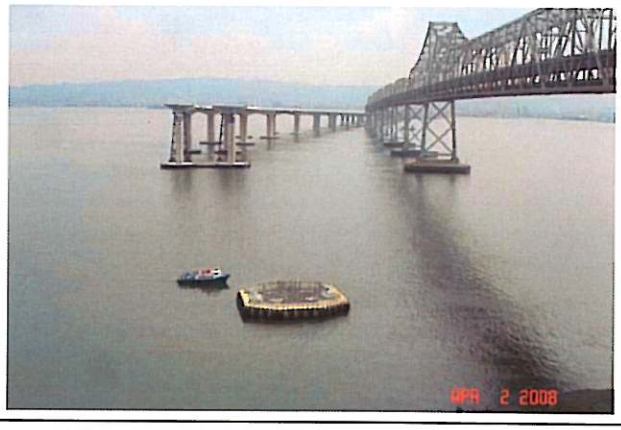
Notes for Reviewers: In the comments sections provide balanced reporting, identify items done well & items that need improvement. Provide stations or landmarks for comments provided. Provide a BMP rating for applicable measures in the yellow column. Red highlight indicates BMPs of critical importance during the rainy season

Y= Yes BMP is required on SWPPP contracts V= Varies per contract

	REQUIRED CONTROL	OVERALL BMP RATING	
SS- Soil Stabilization Measures			**Soil Stabilization Comments**
Permanent EC Seeding Per Specials	Y	NA	
Temporary EC application per Specials	Y	2	
SS-3 Hydraulic Mulch	V	NA	
SS-4 Hydro-seeding	V	NA	
SS-5 Soil Binders	V	NA	
SS-6 Straw Mulch	V	NA	
SS-7(*) Plastic Covers	Y	NA	
SS-7 Geotextiles/EC Blankets Mats	V	2	
SC-Sediment Controls			**Sediment Control Comments**
SC-1 Silt Fence	Y	2	
SC-2 Desilting Basins or SC-3 Sediment Traps	V	NA	
SC-4 Check Dams	V	NA	
SC-5 Fiber Rolls	V	2	
SC-6 Gravel Bag Berm	V	NA	
SC-7 Street Sweep & Vacuum	Y	3	
SC-8 Sandbag Barrier SC-9 Straw Bale Barrier	V	2	
SC-10 Storm Drain Inlet Protect	Y	2	
Wind Erosion Control			**Dust/Wind Erosion Control Comments**
Dust Control	Y		
WE-1 Wind Erosion Control (Not Dust)	Y	3	
Tracking Control			**Tracking Control Comments**
TC-1 Stab Construction Entrance & Exit	Y	2	
TC-2 Stab Construction Road	V	2	
Non-Storm Water Management			**Non-Storm Water Management Comments**
NS-2 Dewatering Operations	Y	NA	
NS-3 Paving & Grinding	V	NA	
NS-6 Illicit Connect & Discharge Rpt	Y	NA	
NS-8 Vehicle & Equipment Cleaning	Y	2	
NS-9 Vehicle & Equipment Fueling	Y	1	
NS-10 Vehicle & Equipment Maint	Y	2	
NS-11 Pile Driving Operations	V	3	Contractor needs to manage the drill cuttings for the temporary piles.
NS-12 Concrete Curing	V	2	
NS-13 Mat. & Equip. Use Over Water	Y	2	
NS-14 Concrete Finishing	V	2	
NS-15 Struct. Demo/Removal Over or Near H2O	Y	NA	
Waste Management & Materials Control			**Waste Management & Materials Control Comments**
WM-1 Material Delivery & Store	Y	1	
WM-2 Material Use	Y	1	
WM-3 Stockpile Mgt	Y	2	
WM-4 Spill Prevention & Control	Y	2	
WM-5 Solid Waste Mgt	Y	2	
WM-6 Hazardous Waste Mgt	V	2	
WM-7 Contaminated Soil Mgt	V	NA	
WM-8 Concrete Waste Mgt	Y	2	
WM-9 Sanitary Waste Mgt	Y	1	
WM-10 Liquid Waste Mgt	V	1	

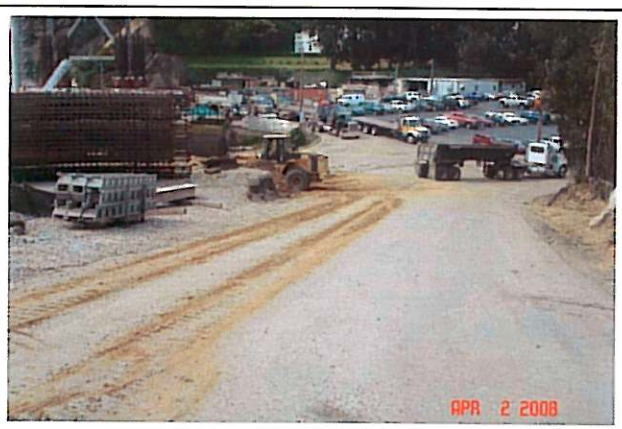


1. View of the SAS Bridge site from the west end of the Skyway.

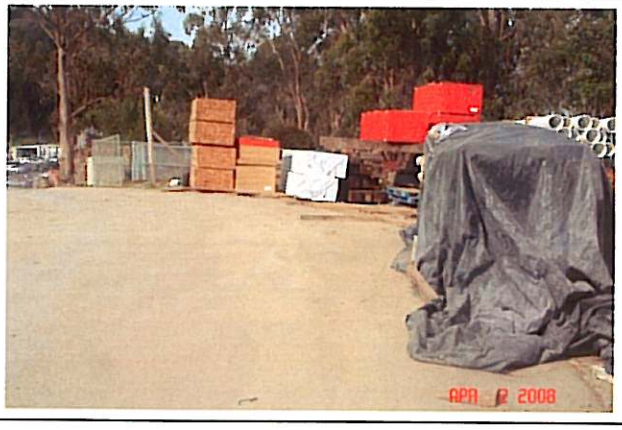


2. View of T1 and E2 from the top of W2 cap.

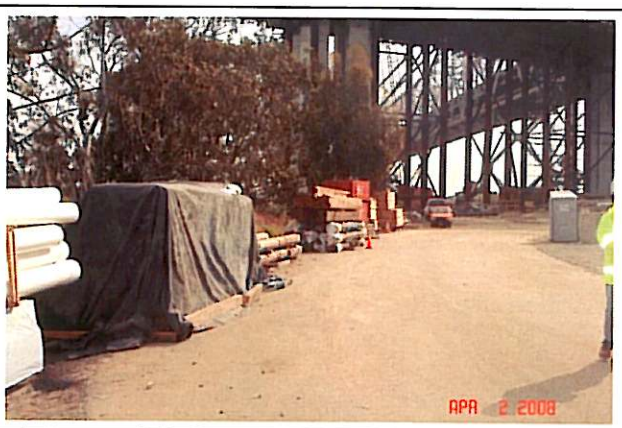
3. Access road to W2 construction site. Note the tracking from the adjacent project (04-0120R4).



4. Same comment as Photo 3.

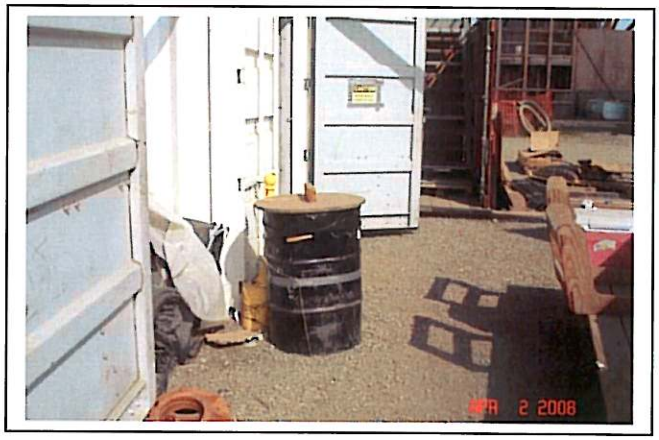


5. Neatly organized and properly staged materials and supplies located along the access road.

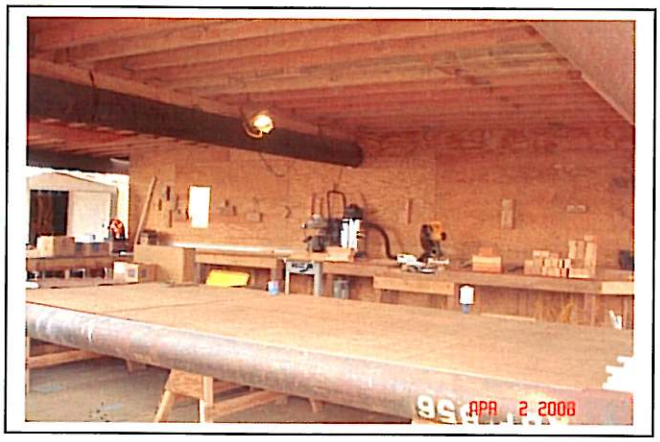


6. Same comment as Photo 5.

7. Welding area located near Bent WR3. No issues observed.



8. Typical solid waste container with lid.



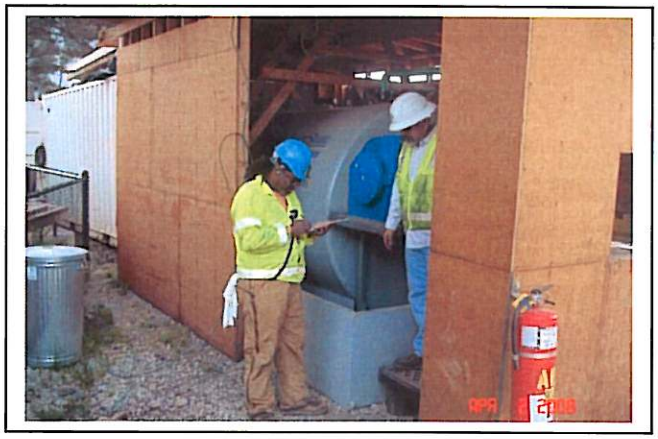
9. Neat and clean carpenters shop.

10. **Small amount of saw dust needs to be cleaned up near the end of the day.**

11. **Small amount of spilled Kleen blast located near the carpenters shop needs to be cleaned up at the end of the day.**

12. View of false works at Bent W2.

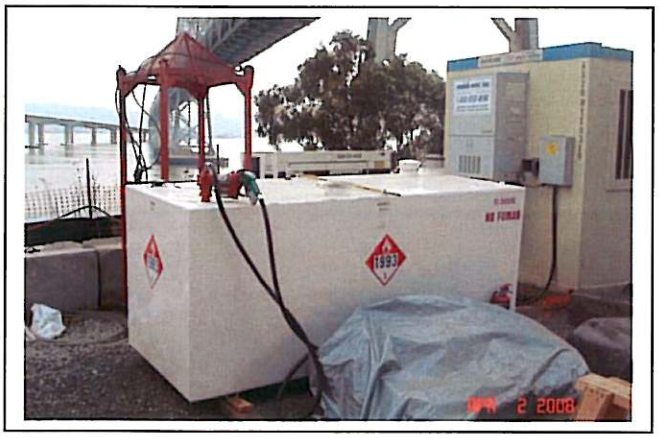
13. Refueling operations in progress.



14. Same comment as Photo 13.

15. Same comment as Photo 13. Good BMP practices to prevent dripping and spillage of fuel.

16. Properly staged generator set on concrete pad. Generator has secondary containment built into the frame.



17. Subcontractor has above ground fuel tank with secondary containment.

18. Subcontractor has an old well maintained generator. No evidence of oil or fuel leaks.

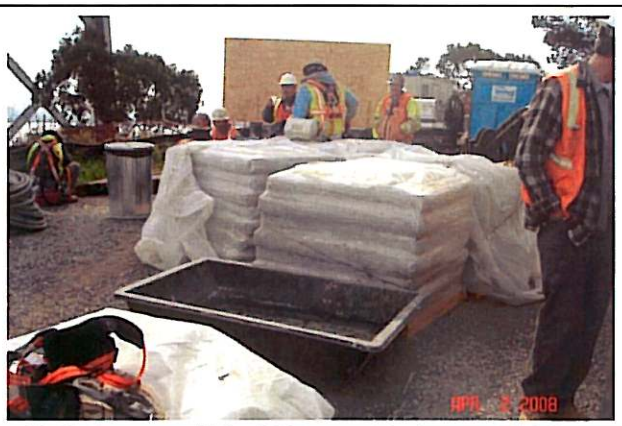
19. View of the subcontractors work area viewed from the top of W2.

20. Subcontractor is working on the construction of temporary pile caps. Drilling is in progress for temporary pile Cap A1 in the lower left of the photo.

21. Drilling activities for temporary piles A1. Note the extent of the fine drill cuttings.

22. Same comment as Photo 21. Drill cuttings need to be picked up to prevent it from being blown into the Bay. Water needs to be used for dust control.

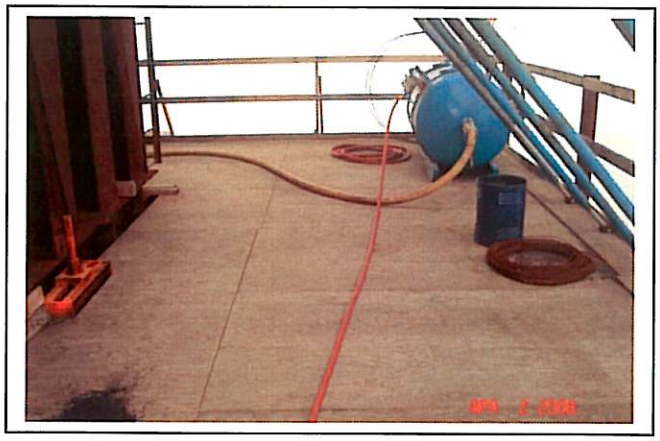
23. Grouting equipment.



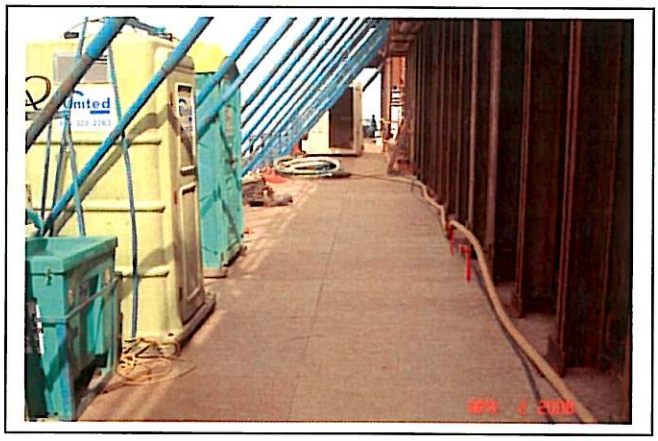
24. Equipment and supplies for the grouting operations.

25. These buckets located in the subcontractors yard contain bolts; not chemicals.

26. Subcontractor has concrete washout available.



27. Work area of the false work on W2 is clean.



28. Same comment as Photo 27.

29. Same comment as Photo 27.

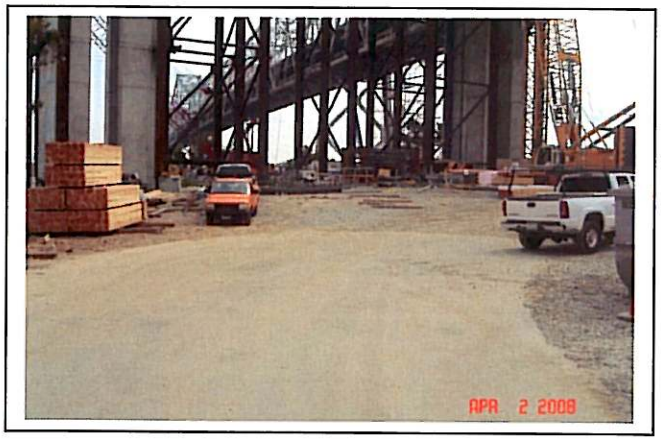
30. Small amount of Kleen blast needs to be cleaned up on the east side of the false work.

31. Evidence that the contractor is cleaning up debris on a regular basis.

32. Clean-up the Kleen blast material before it is blown over the side of the false works.

33. Rebar work is on-going.

34. Same comment as Photo 33.



35. Exit has minor tracking.

36. Contractor is preparing several barges to be staged at Yerba Buena Island in support of SAS Bridge construction activities. These areas need to be included in future SWPPP inspections.

37. Same comment as Photo 36.

38. Same comment as Photo 36. As the barges are being prepared for construction activities, SWPPP protocols need to be followed especially NS-13.

39. Same comment as Photo 36.

40. Same comment as Photo 36. Pier 7 needs to be kept clean and the existing BMPs need to be maintained.

41. Same comment as Photo 40.

42. Welding activities on Pier 7. No issues observed. Contractor needs to clean-up welding waste at the end of the work day.