

Job Stamp

04-0120F4

SFOBB SAS

Const. Calendar: 77

Project Work Day No.: 1287

Date: 11/24/2009

Inspectors	Start	06:40	Stop	12:00
Hours		12:50		14:00
Shift Hours		06:30		15:00

ASSISTANT RESIDENT ENGINEER'S

CONTRACTOR – ABFJV, Sub SDI

HOURS - ITEM NO.												
EQUIPMENT AND/OR LABOR:			#37 Cable Tie -Down								IDLE OR DOWN	REMARKS
Equip. #	NO. MEN	DESCRIPTION (Of Equipment or Labor)										
1	1	Ironworker Superintendent									8	Ralph Craig SDI, out sick
2	1	Ironworker Apprentice	8									Bounthaby Singharath SDI
3	1	Ironworker Foreman	8									Erin Jones SDI
4	1	Ironworker Journeyman	8									Randy Hill Jr. SDI
5	1	Ironworker Journeyman	8									James Carriker SDI
6	1	Ironworker Journeyman	8									Todd Blackwell SDI
7	1	Ironworker Journeyman	8									Dave Hollis SDI
6-8-134	1	Monostrand jack, gauge "A", and pump	8									SDI
6-8-0014	1	Monostrand jack, gauge "A", and pump									8	
412-10-7088	1	Forklift	8									SDI, Hertz
HPU-D-110-3K-02	1	Hydraulic Pushing Unit	8									SDI
	1	A Frame (600 Ton)	8									SDI
SPH-60-3K-04	1	Strand Pushing Guide	8									SDI
	1	Strand Pack Spool Jig	8									SDI
	1	Winch w/combustible motor									8	SDI
	1	Winch w/out motor									8	SDI
	1	Winch w/out motor									8	SDI
	1	Connex Box									8	SDI

Weather: Sunny with mild temperatures – Hi 62°F Low 42°F (per weather.com forecast)

Description of Operations @ W2 Cap Beam:

ABF

- Cleaned up debris from chipping concrete for the MEP utility opening located in the southeast retaining wall at W2W.
- Began to construct extensions for the ladders going down into the W2E and W2W foundations.

SDI

- Pushed the 2 sheathed strands from strand pack #73980-5 into cable tie down tendon #10 at W2W.
- Placed the upper anchorhead and "grease box" for cable tie down tendon #9 at W2W.

46.02

dlm

- Pushed 50 sheathed strands from strand pack #73980-5 into cable tie down tendon #9 at W2W.
- Loaded strand pack #74004-1 in the spool jig and pushed 11 sheathed strands into cable tie down tendon #9 at W2W.
- Placed plastic over the exposed strands for cable tie down tendons #1 to #7, #9 to #14 and over the strand pack in the spool jig.
- Stressed cable tie down tendon E-11 (61 strands) and W-4 (4 strands). SDI used monostrand jack number 6-8-134 and gauge 6-8-134A. Mike Schwager was onsite for the start of stressing operations. He adjusted the pressures of gauge 6-8-134A to compensate for the seating loss after P_{jack} of 31.6kips. The seating loss was ranging from 3/8" to 1/2" so the P_{jack} pressure was set to 4,200psi. SDI used gauge pressures of 1250psi (originally 1,230 SDI and me and Gil got 1,280psi, we more or less split the difference) and the actual 100% P_{jack} pressure was 4,200psi (originally 4,100psi) due to anchor seat losses.

Gil and James Duxbury had agreed on the cable tie down stressing sequence yesterday. For the first tendon E-11, the ironworkers stressed the strands within the anchor head out of sequence. I informed them that they were not following the sequence prescribed in Submittal 85. Gil inquired with James Duxbury to see if it was acceptable to stress the individual strands out of sequence. James was adamant about following the sequence, the ironworkers agreed to follow the approved sequence for cable tie down tendon W-4 onwards.

The elongations for the most part were acceptable except a few where there may have been an error in measuring the elongation of the strand. I went to the W2E foundation with Gil and watched one strand being stressed. Basically the wedge seated and I didn't observed any movement after stressing. Lalit assisted me with monitoring the stressing operations today. The strain indicator used was Caltrans No. 55096 and the T-bar was Caltrans No. 003056 to track the load.

Office work:

- Reviewed RFI 1949R01-Anchor Rods in W2 Cap Beam for Work Platform, awaiting TY-Lin response.
- Reviewed questionnaire regarding the repair work for the cracked eyebar on the existing east SFOBB.
- Prepared paperwork for stressing tomorrow and analyzed today's operations.
- Wrote today's diary.

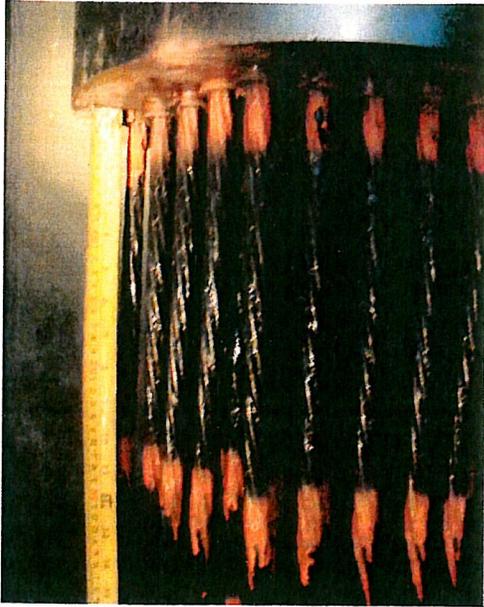
Inspector:

Matt Bruce Matt Bruce Transportation Engineer (D)

EA 04-0120F4

Co-Rte-KP (PM) SF-080-13.2/13.9 (8.2/8.7)

Structure Rep. Rick Morrow



File Name: Nov-24-2009 W2 Cap 002

Date: 11-24-09 By Int: M Bruce

Description: Dead end strand tails for cable tie down E-11 are shown. The tails were painted at the anchorhead face and approximately 1ft away from the anchorhead face.

File Name: Nov-24-2009 W2 Cap 003

Date: 11-24-09 By Int: M Bruce

Description: The observed anchor set at the dead end while stressing was 3/8" at 30% P_{back}. As mentioned above I observed one strand at the dead end while stressing was being performed. The wedge at the dead end seated and appeared to remain seated after stressing. No slip was observed during the stressing operation. SDI also sent an ironworker to observe the dead end while stressing. To my knowledge there were no strands that slipped.



File Name: Nov-24-2009 W2 Cap 004

Date: 11-24-09 By Int: M Bruce

Description: Stressing the strand tails for cable tie down tendon E-11.

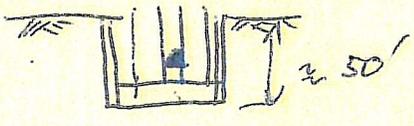
This form must be readily available at the confined space during the time work is in progress. After work is completed, give to your supervisor for retention.

DESCRIBE WORK TO BE DONE table tie-down stressing

DATE AUTHORIZED 11/24/2009 TIME AUTHORIZED 6:30 FROM 15:30 TO

LOCATION OF CONFINED SPACE W2 FOOTING

LOCATION OF WORK WITHIN CONFINED SPACE (DRAW SKETCH BELOW, ESTIMATE AND SHOW DISTANCE AND DIRECTION FROM WORK ACCESS)



PRE-WORK APPROVAL CREW SUPERVISOR'S SIGNATURE [Signature] DATE (Must be signed on date of issue) 11/23/09
 CONFINED SPACE ENTRY APPROVAL ENTRY SUPERVISOR'S SIGNATURE _____ DATE (Must be signed on date of issue) _____

EMPLOYEES AUTHORIZED TO ENTER CONFINED SPACE

ENTRY SUPERVISOR	<u>LoLit Mathew</u>
LOOKOUT PERSON/ATTENDANT	<u>LoLit Mathew</u>
ENTRANTS	<u>Gil Klebanov</u>
	<u>Matt Bruce</u>

CHECKLIST ON OTHER SIDE MUST BE COMPLETED BEFORE ENTRY

ADA Notice For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

CONFINED SPACE ENTRY CHECKLIST
 PM-S-0040B (REV. 5/1998)

NOTE: THE ENTRY SUPERVISOR INITIALS ITEMS 1-3 AND 5-7. ENTER SPACE ONLY AFTER THE PROCEDURES LISTED BELOW HAVE BEEN COMPLETED.

- Review Code of Safe Practices for entry and work in confined spaces. INITIAL AKM
- Review emergency/rescue procedures. Ensure emergency rescue equipment/personnel are available for removing disabled worker from space. INITIAL AKM
- Assure that confined space has adequate ventilation. INITIAL AKM

4. Atmospheric testing	ENTRANCE		INSIDE	
	METER READING	INITIAL	METER READING	INITIAL
% Oxygen	<u>20.7</u>	<u>MB</u>	<u>20.7</u>	<u>MB</u>
Combustibles (%Lower Explosive Limit - LEL)	<u>0</u>	<u>MB</u>	<u>0</u>	<u>MB</u>
Carbon Monoxide	<u>0</u>	<u>MB</u>	<u>0</u>	<u>MB</u>
Hydrogen Sulfide	<u>0</u>	<u>MB</u>	<u>0</u>	<u>MB</u>

NOTE: if the atmosphere tests hazardous - STOP - DO NOT ENTER; contact entry supervisor. Hazardous is defined as oxygen level below 19.5%, or a combustible gas content greater than 1% LEL, or carbon monoxide greater than 25 ppm, or hydrogen sulfide greater than 10 ppm.

- Suitable lighting provided in work area. INITIAL AKM
- Effective means of providing continuous communication between standby person and worker(s) in confined space. INITIAL AKM
- Assure that atmosphere will be tested during work within confined space. NOTE: if atmosphere becomes hazardous, all workers shall STOP WORK and LEAVE CONFINED SPACE IMMEDIATELY - DO NOT RE-ENTER; contact entry supervisor. INITIAL AKM

I have determined to my satisfaction that the above procedures have been completed and it is safe to enter and work in this confined space.

ENTRY SUPERVISOR'S SIGNATURE [Signature]
 LOOKOUT PERSON/ATTENDANT'S SIGNATURE _____
 INITIALS OF OTHER WORKERS/ENTRANTS ENTERING CONFINED SPACE _____