

Job Stamp

04-0120F4
SFOBB SAS

Const. Calendar: 98

Project Work Day No.: 1308

Date

12/15/2009

Inspectors  
Hours  
Shift Hours

Start	7:00 AM	Stop	3:30
	06:30		15:30

*OK*

ASSISTANT RESIDENT ENGINEER'S

CONTRACTOR – ABFJV, Sub SDI

HOURS - ITEM NO.													
EQUIPMENT AND/OR LABOR:			#37 Cable Tie -Down	#38 Structural Conc Bridge							IDLE OR DOWN	REMARKS	
Equip. #	NO. MEN	DESCRIPTION (Of Equipment or Labor)										Name	Contractor
1	1	General Foreman									8	Terry Cronk	ABF Pier 7
2	1	Pile Driver									8	Jesse Johnsen	ABF Pier 7
3	1	Pile Driver									8	Richie Yembo	ABF Pier 7
4	1	Pile Driver									8	Kurt Chaisson	ABF Pier 7
5	1	Pile Driver									8	Jamal Whitney	ABF Pier 7
6	1	Pile Driver									8	Danny Schwartz	ABF Pier 7
7	1	Laborer									8	Rigiberto Campos	ABF Pier 7
8	1	Elevator Operator	8								8	Howard Schroyer	ABF
9	1	Crane Operator										Joe Shawn	ABF Laid off
10	1	Oiler/Apprentice									8	Ross Scott	ABF Pier 7
		Sub-contractors SDI										See Matt's diary	SDI
		Sub-contractor Rebar	8									Robert Bognaes Tim Green Lee Alvero Vasquez	Regional Steel
	1	Crane LR 1300									8		ABF no operator
	1	Lincoln Welding Machine 768-50-4005											ABF
	1	Lincoln Welding Machine 768-50-4009											ABF
	1	MQ Power Generator 220	8										ABF
	1	Ingersoll Rand Air Compressor	8										ABF used by others
	1	Fork Lift											ABF
	1	Pick up											ABF
	1	Elevator	8										

**Weather:** Sunny with cool temperatures – Hi 50°F Low 35, very cold, windy.

REC'D H32 JAN-21 #011825

*46-02*

## Description of Work by ABF and its Sub-contractors.

### ABF

- ABF has completed chipping the concrete for the MEP utility opening southeast retaining wall at North Foundation Wall.
  - ABF moved all its labor to Pier 7 or the work on water.
  - Only the elevator operator Howard is there.
  - The other people working are on the Temporary Trusses for performing miscellaneous tasks for the OBG installation.

### SDI

- SDI has a small crew of 3 people on the job site.
- SDI started post-tensioning on 11/24/09 and finished it today 12/15/09. The last hole was E-8 and was stressed early this morning.
- It was freezing cold today also and was very difficult to stay on top of W2 recording all readings.
  - A total of 3 readings of measurements are made for each strands.
  - Additional readings are taken occasionally for the pressure gauge and the contractor's pumping gauge to assure that readings are taken at 1250 psi and 4200 psi.
- The stressing was performed as follows:
  - The values for SDI's hydraulic gauge were 1250 psi at 30% P-Jack and 4200 psi at 100 % P-Jack.
  - These were corresponding the CT's gauge at about 10 kips and 32.9 kips respectively.
  - The elongations from 30 % P-Jack to 100% P-Jack forces varied from 6.75 inches to 7.25 inches.
  - There was a relaxation of ½" each time after the force was released.

### Additional Work at or outside of W2 site:

- CC Myers continues to dismantle the sidelined portion of the bridge.
- CC Myers is removing the foundations for the temporary bracings.
- CC Myers have started to the slab form the slide out portion of the old bridge.
- There was no work today because of heavy rains and extremely cold weather.
- CT has installed air monitoring equipment on the site at several locations.
- As of today, CC Myers finished all upper bays and one lower bay.
- They have also removed many of the framing columns and beams.
- CC Myers are moving away all the material.
- CC Myers have 6 to 8 equipment working on this task.
- Reorganize and clean up at office to sort out W2 paper work.
- Revise the OBG and Crossbeam installation checklist few times and discussed with Tai Lin and Gil with.
- Attended Gil's Staff Meeting at 8 AM.
  - Gil, Mark, Thanh and Lalit attended the meeting.
    - David is sick today & Massoud is on vacation.
    - Matt is at the job site observing the stressing of last set of strands.
  - Lalit gave the summary of activities at W2.
    - All Stressing will be done today.
    - SDI will go down and check all the bottom plates and stress tails.
  - RSC has installed rebars in the utility opening.
    - RSC also cut and removed & replaced some of the rebars which were in conflict with the stiffener plate of OBG 1E.
  - All the safety items related to some equipment pieces tied to W2 deck supporting rods have been corrected as of yesterday.
    - There is no other safety issue.
  - Mark informed all temporary trusses are in place except for one piece which is on Burma Road.
  - Gil asked Mark to check all the foundations for any obvious damage.



Inspector: Lalit Mathur, P.E.

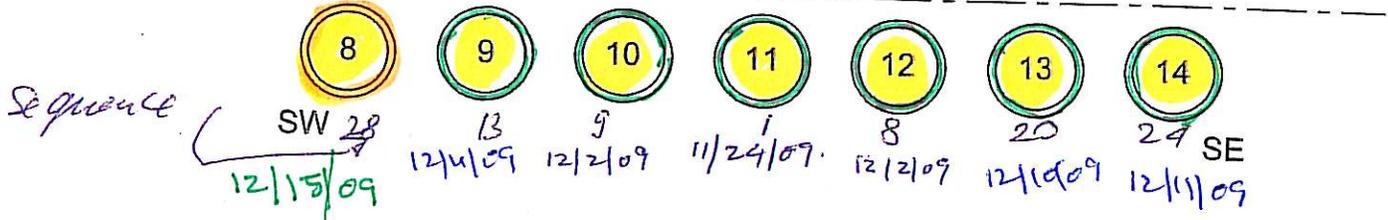
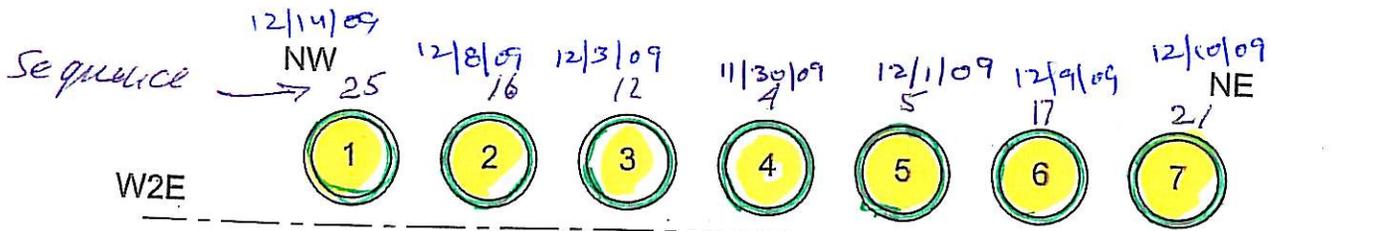
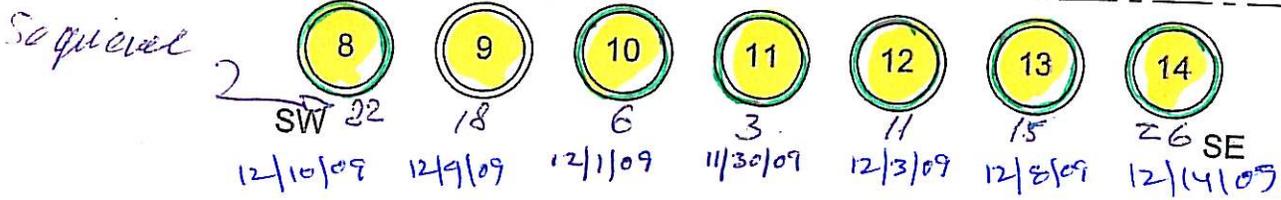
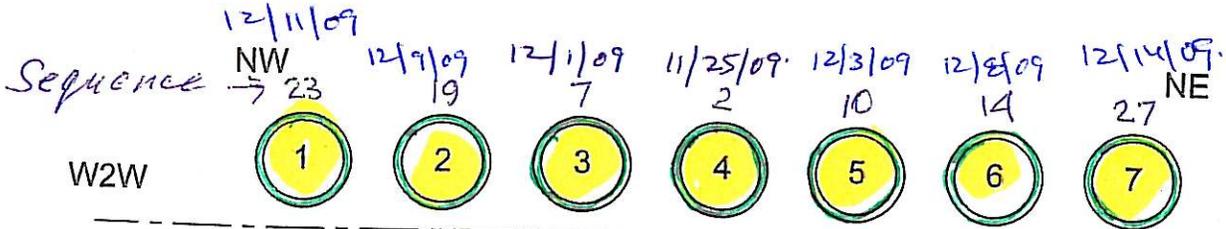
\_\_\_\_\_  
Transportation Engineer (D)

12/15/09.

○ PREV - DONE

○ DONE TODAY

### SAS TIE DOWN TENDON ID



THIS completes all the stressing work of stressing the strands.

QUANTITY CALCULATIONS

DC CEM 4801 (OLD HC 52 REV. 11/92) 7541 3520-0

SHEET 1 OF 1

JOB STAMP

ITEM cable tie-down

FILE NO

LOCATION TOP SLAB VOID

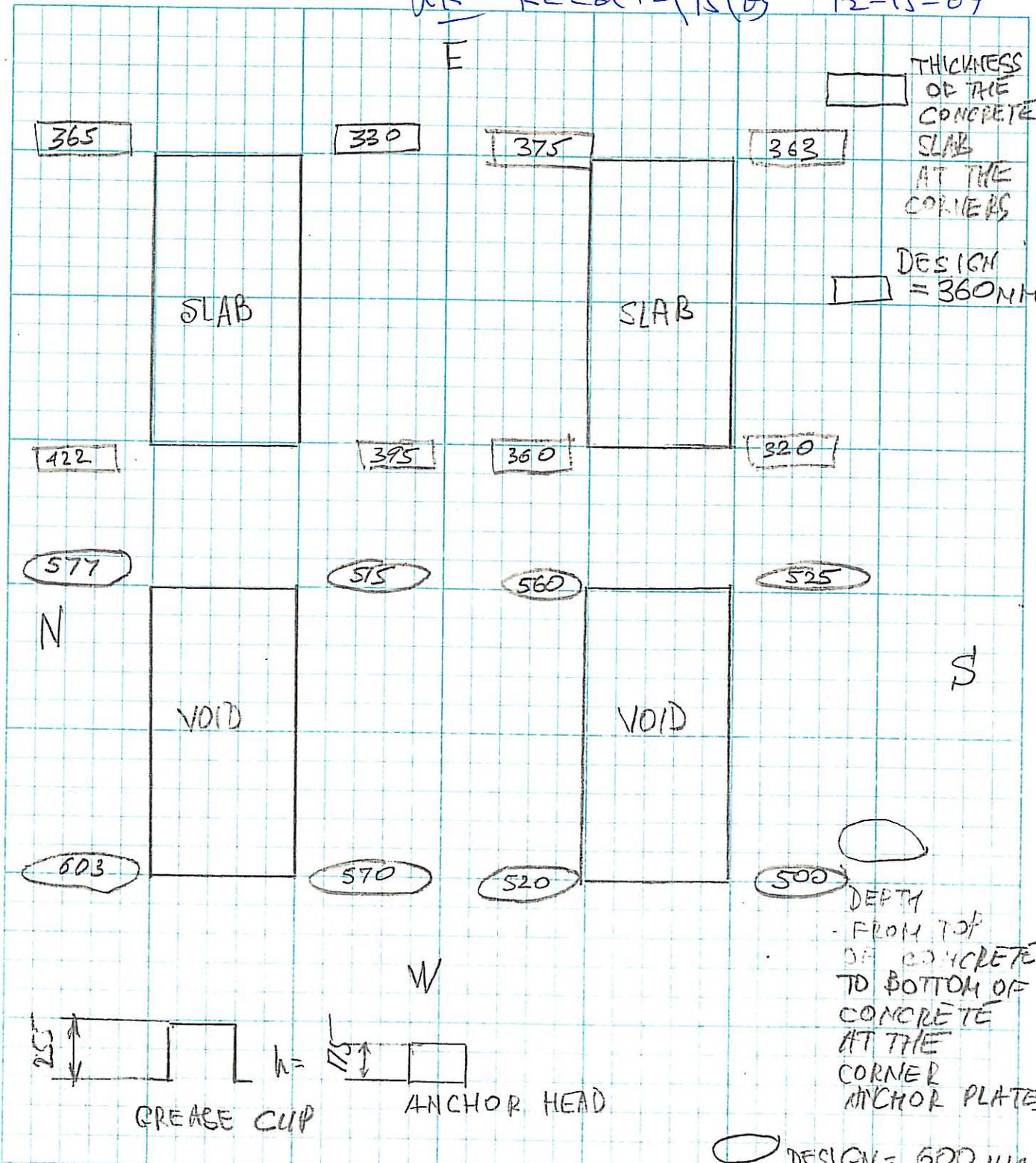
SEGREGATION  YES  NO

CALC BY G. Klebanov

DATE 12/14/2004

CHK BY Recd 12/15/09

DATE 12-15-09



THICKNESS OF THE CONCRETE SLAB AT THE CORNERS

DESIGN = 360 MM

DEPTH FROM TOP OF CONCRETE TO BOTTOM OF CONCRETE AT THE CORNER ANCHOR PLATES

DESIGN = 600 MM

POSTED BY \_\_\_\_\_ DATE \_\_\_\_\_ POSTED TO \_\_\_\_\_

DESIGN SLAB THICKNESS IN THE MIDDLE (ABOVE TENDONS) = 185 MM

$T_{min} = 185 + 25 = 210 \text{ MM}$

MIN VOID D = 500 MM > 210 - O.K. (600 MM)

THIS checklist was prepared on 12/14/09 and finalized 12/15/09, if continues to be modified.

**OBG and Cross Beam Installation Check List**

**SEISMIC DESIGN CRITERIA ACCEPTANCE FOR BOX GIRDER LIFTS**

- All seismic stops on the subject box girder lift and all preceding box girder lifts to the west of the subject lift shall be installed and fully bolted to the pedestal and cradle and shimmed in accordance with drawing DE651A.

**Seismic Stop:**

- NE installed and shimmed ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- SE installed and shimmed ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- NW installed and shimmed ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- SW installed and shimmed ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_

- All shear plate on the subject box girder lift and all the preceding box girder lifts to the west of the subject box girder lift shall be installed and fully bolted or welded to the box girder or cradle as required by the cradle drawings:

**Shear Plate Installation**

- Shear Plate-1 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- Weld Verification, Size \_\_\_ Length \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- Shear Plate-2 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- Weld Verification, Size \_\_\_ Length \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- Shear Plate-3 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- Weld Verification, Size \_\_\_ Length \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- Shear Plate-4 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- Weld Verification, Size \_\_\_ Length \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- Bolt Testing ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_\_\_

- The box girder bolted splices have been completed as follows:

- For the initial connection of the box girder splice, the minimum number of bolts and/or pins shall be installed in the locations shown on drawing number DE231A. For this condition, bolts need only be installed snug tight. Bolted connections are not required for Lifts 1E and 1W.

**Splice Plate Installation (snug tight)**

- Splice Plate-1 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- Splice Plate-2 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- Splice Plate-3 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- Splice Plate-4 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- Bolt Testing ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_\_\_
- Others as required

- After the next box girder lift is placed in a position that will alter the dead load moment in the bolted splice, the minimum number of bolts specified in Section 5.1 of the Box girder Erection Plan shall be installed and fully tensioned. Bolted Connections are not required for Lifts 1E and 1W.

**Box girder bolted connections (fully tensioned)**

- Bolt Gr-1 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- Bolt Gr-2 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_
- Bolt Gr-3 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_\_\_ Date \_\_\_ CT \_\_\_\_\_ Date \_\_\_

- Bolt Gr-4 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
- Bolt Testing ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
- Others as required
- The minimum number of bolts specified on drawing number DE221IT and DE221JT, as appropriate, in the Crossbeam Erection Plan in Section 2.4 of the Box Girder Erection Plan shall be installed and fully tensioned.

**Crossbeam bolted connections (fully tensioned)**

- Bolt Gr-1 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
- Bolt Gr-2 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
- Bolt Gr-3 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
- Bolt Gr-4 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
- Bolt Testing ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
- Others as required

It is hereby confirmed that all of the above conditions have been met for box girder lift No \_\_\_\_.

American Bridge/Fluor A Joint Venture Authorized Representative:

Printed name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

California Department of Transportation Authorized Representative:

Printed name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

**SEISMIC DESIGN CRITERIA ACCEPTANCE FOR CROSSBEAM LIFTS**

- When a Crossbeam is cantilevered off of an E-line box girder the minimum number of bolts specified on drawing number DE221IT in the crossbeam erection plan in Section 2.4 of the Box girder Erection Plan shall be installed and fully tensioned.
  - **Minimum Number of permanent M24 bolts to be installed = 268**
  - Bolt Gr-1 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
  - Bolt Gr-2 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
  - Bolt Gr-3 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
  - Bolt Gr-4 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
  - Bolt Testing ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
  - Others as required
  -
- When a Crossbeam is connected to both an E-line box girder and W-line box girder the minimum number of bolts specified on drawing number DE22AJT in the Crossbeam Erection Plan in Section 2.4 of the Box Girder Erection Plan shall be installed and fully tensioned.
  - **Minimum Number of permanent M24 bolts to be installed = 648**
  - Bolt Gr-1 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
  - Bolt Gr-2 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
  - Bolt Gr-3 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
  - Bolt Gr-4 Bolt Dia \_\_\_, No \_\_\_ ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
  - Bolt Testing ABF \_\_\_ Date \_\_\_ CT \_\_\_ Date \_\_\_
  - Others as required

It is hereby confirmed that all of the above conditions have been met for Crossbeam lift No \_\_\_\_\_.

American Bridge/Fluor A Joint Venture Authorized Representative:

Printed name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

California Department of Transportation Authorized Representative:

Printed name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_