



**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 120 Const Calendar Day: 610 Date: 11-May-2011 Wednesday

Inspector Name: Iranmanesh, Abbas Title: Transportation Engineer

Inspection Type: Intermittent

Shift Hours: 07:00 am 03:45 pm Break: 00:30 Over Time:

Federal ID:

Location:

Reviewer: Boal, Brian Approved Date: 10-Oct-13 Status: Approved

04-0120F4  
 04-SF-80-13.2/13.9  
 Self-Anchored  
 Suspension Bridge

**Weather**

Temperature 7 AM 50 - 60 12 PM 4PM 60 - 70

Precipitation None Condition

Working Day  If no, explain:

**Diary:**

Dispute

**Work description.**

ABF and Macalloy Crews activities:

The crews continued the final pre-tensioning of the Macalloy rods of North side hinge-K of the W-Line based on sequence specified in the submittal ABF-SUB-002266R00 to maximum of 18900 psi gage pressure. It is expected that full pre-tensioning all of the anchor rods of the North K-hinge of the W-Line to be completed tomorrow before noon. As the previous observations, the maximum elongation at the final pre-tensioning stage observed was 16mm and the overall elongation was about 22mm-23mm. The Macalloy specifications predict maximum of 3mm anchor head loss for 75 mm anchor rod during pre-tensioning. Besides the hinge-K frame behaves as a stiff spring, since the stiffeners behind the face plate will deform (decrease in length) under a load which is more than 3000 KN. Consequently, 22mm-23mm as overall elongation for a uniform gage pressure of 18900 psi seems to be logical.

Another ABF crews removed the East Line saddle gantries.

The pieces were carried by the crane the crane RT 890E on the deck and transformed by the Tower crane to the barge

CONCO crews activities:

The crews continued removing the tapes used in the formwork, cleaning and patching (trimming) the grout surface of the East and West line deviation saddles. They applied curing compound after the repairs.

ABF Crews involved in pre-tensioning Hinge-K:

- Matthew Wistrich
- Mike Randel
- Charles Middleton

Macalloy Crew:

- Jonathan Jackson

ABF Crews involved in removing the East Line saddle gantries:

- Jack Hunter
- Morris Robertson
- Matthew Chamberla
- Benjamin Scott (Crane Operator)
- Nick Shafer (Tower crane Operator)

CONCO crews:

## Daily Diary Report by Bid Item

**Job Name:** 04-0120F4    **Inspector Name:** Iranmanesh, Abbas    **Diary #:** 120    **Date:** 11-May-2011    **Wednesday**

- Gary Pene
- Jasmin Gorinjac

ABF & Macalloy Equipments in Hinge-K pretensioning:  
 -MacAlloy pre-tensioning equipment (only one jack)  
 - High pressure air provided by ABF

ABF Equipment in removing the East Line saddle gantries:  
 -Crane RT 890E  
 -Tower Crane

**04-0120F4    Bid Item: 051    0-000-000.051    ERECT STRUCTURAL STEEL (BRIDGE)**  
 AMERICAN BRIDGE/FLUOR, A JV

Labor								Dispute
Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	
<b>Contractor:</b> AMERICAN BRIDGE/FLUOR, A JV								
Operator	JNM	BENJAMIN SCOTT	8.00	0.50	0.00	8.50		<input type="checkbox"/>
Ironworker	JNM	MATTHEW CHAMBERLAIN	8.00	0.50	0.00	8.50		<input type="checkbox"/>
Ironworker	APP	MORRIS ROBERTSON	8.00	0.50	0.00	8.50		<input type="checkbox"/>
Ironworker	JNM	JACK HUNTER	8.00	0.50	0.00	8.50		<input type="checkbox"/>
Equipment								Dispute
Equipment ID	Description	RT Hrs	OT Hrs	ST Hrs	IT Hrs	Remarks	Rental Company	
<b>Contractor:</b> AMERICAN BRIDGE/FLUOR, A JV								
2321	Equipment, Crane, 90 Ton Rough Terrain	8.00	0.00	0.00	0.00	No		<input type="checkbox"/>
*E0090562	TOWER CRANE	4.00	0.00	0.00	0.00	No		<input type="checkbox"/>

**04-0120F4    Bid Item: 051    0-000-000.051    ERECT STRUCTURAL STEEL (BRIDGE)**  
 CONCO PUMPING

--

**04-0120F4    Bid Item: 060    E-W2C-WDS.060    E Line W2 Cap West Deviation Saddle**  
 CONCO PUMPING

Labor								Dispute
Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	
<b>Contractor:</b> CONCO PUMPING								
		JASMIN GORINJAC	4.00	0.00	0.00	4.00		<input type="checkbox"/>
		GARY PENE	4.00	0.00	0.00	4.00		<input type="checkbox"/>

**04-0120F4    Bid Item: 060    W-W2C-WDS.060    W Line W2 Cap West Deviation Saddle**  
 CONCO PUMPING

Labor								Dispute
Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	
<b>Contractor:</b> CONCO PUMPING								
		JASMIN GORINJAC	4.00	0.00	0.00	4.00		<input type="checkbox"/>
		GARY PENE	4.00	0.00	0.00	4.00		<input type="checkbox"/>

# Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name: Iranmanesh, Abbas

Diary #: 120

Date: 11-May-2011

Wednesday



# Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name: Iranmanesh, Abbas

Diary #: 120

Date: 11-May-2011

Wednesday



### 2.3.2 Losses at load transfer from jack to anchorage

Table 2

Diameter (mm)	25 - 36 inclusive	40 - 50 inclusive
*Single stressing	1.2 mm	2 mm
**Two or more stressing cycles	0.6 mm	0.7 mm

\*When loaded to 0.7f<sub>pk</sub> to 0.75f<sub>pk</sub>

### 2.4 Friction loss

#### 2.4.1 Friction in the jacks

All jacks supplied by Macalloy Ltd are calibrated against a master gauge before despatch and the loads exerted by the ram are tabulated against the pressure gauge readings. Any friction on the jack is therefore allowed for if the calibration readings are used to control the applied load.

Electrical or mechanical load cells are available for the recalibration of jacks and gauges on site, or to control loading with greater accuracy than that provided by commercial pressure gauges.

Loads calculated from pressure gauge readings based on the jacks ram area do not include an allowance for friction in the jack. Values should be obtained from the jack supplier.

#### 2.4.2 Friction in the anchorage

There is no friction loss in single bar anchorages.

