



**Bridge Factors Factual Report Attachment 64 – Bolton Perez & Associates (BPA)
Attachment Submission**

Miami, FL

HWY18MH009

(18 pages)

March 7, 2018

3:00 PM

Pre-activity meeting agenda for Span 1 movement with associated meeting minutes in *italic text* conducted on March 7, 2018. The pre-activity meeting outlines specific responsibilities of the parties involved with the movement of Span 1 and specifies the parties authorized for removing and returning the SPMT equipment to the staging area.



Pre-Activity Meeting Agenda - Span 1 Movement

University City Prosperity Project (BT-904)

Pedestrian Bridge over Tamiami Trail US 41

Contract No.: ARI73 FM No.: 434688-1

Date: 3/7/18 Time: 3:00PM Location: MCM Field Office

1. Activity

Span 1 Movement.


Contractor: **Munilla Construction Management (MCM)**

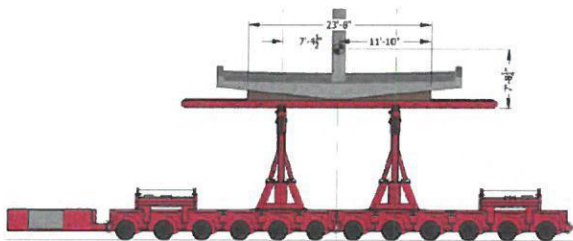
Engineer of Record: **FIGG Engineering Group**

Sub-Contractor: **Barnhart**

2. Operations:

Operations will follow Barnhart document # PR1575-EC1.0

	University City Prosperity Project – FIU	Document: PR1575-DP1.0
	Pedestrian Bridge	Revision: A
	Design Parameters	Approval Date: 06/28/2017



Description of operations and describe any modifications from the Bridge Movement Plan

3. Key personal and phone number – Line of Authority

MCM: *Rodrigo Isaza* [Redacted]

Barnhart: *Zach Jopling* [Redacted] *If not present Billy and/or Ronald*

FIGG: *Franklin Hines* [Redacted]

BPA: *Jose Morales* [Redacted]



BDI: *Brett Commander*

4. Contingency Plan

MCM's Role: *Allegiance and George's Crane are on call.*

Barnhart's Role: *Barnhart has brought in extra mechanical parts such as pumps, hoses and other components that could possibly go out during the movement and that could be fixed or replaced.*

5. Questions

Section 5 – Initial Lift

- When will the Initial lift be done
Initial lift will be done Friday 3/9/18 afternoon after monitors are in place. Initial lift will be 1 inch. BDI will be arriving Thursday and will be at the jobsite on Friday morning to install monitors. BDI monitor equipment installation should be no more than 8 hours.
- Items 5.7 & 5.8 refer to height restrictions between East and West sides. The Bridge will be moved sloped?
Bridge will be lifted both sides at the same time therefore it will maintain the current slope. Revised plan will reflect this change.
- Communication of the location of CG point within 12" tolerance
Transporter computer system and pressure gauges will be monitored by the operator to track tolerance levels. Monitoring will be continuous throughout the movement.
- Monitoring Plan values / communication with Barnhart / MCM
Once bridge movement begins Barnhart leads and MCM/FIGG will be informed directly if there are any issues. BDI will keep line of communication with Barnhart at all times.

Section 6 - Transport

- Does equipment have sensors to advise the operator of the pressure limits or we rely on the operator to be reading these values and verifying we are with values
There are no audible alarms. Values will be read by BDI / Barnhart from the real time line graph.
- When will the light pole be removed
The light pole will be removed on Friday during the day.



- The Final alignment will be given by a Surveyor or is it within Barnhart's scope.
Surveyors on Friday will locate the reference locations of the final alignment. MCM will provide Barnhart where and when the bridge can be dropped based on the references from the surveyors.
- How long will the actual movement take in the best-case scenario
Best case scenario is 6 hours.
- Monitoring Plan values / communication with Barnhart / MCM
Once bridge movement begins Barnhart leads and MCM/FIGG will be informed directly if there are any issues. BDI will keep line of communication with Barnhart at all times.

Section 7 – Final Lift

- Section 7.6 refers to the 2" maximum height difference between East and West but these towers are not at the same elevation
The bridge will be picked up by all gantries at the same time maintaining current bridge slope
- What is the Estimated overall Rise
Estimated overall height lift at its maximum will be of 3.5 feet while going over the PT Bars on the Pylon base.
- Monitoring Plan values / communication with Barnhart / MCM
Once bridge movement begins Barnhart leads and MCM/FIGG will be informed directly if there are any issues. BDI will keep line of communication with Barnhart at all times.

Section 8 – Positioning

- Who confirms alignment
Alignment for final positioning will be confirmed by MCM/Surveyors. If shims are not in alignment, EOR to consider providing options.

Section 9 – Setting

- When will bearing pads placement take place on both sides
Lane closures on Friday during daytime on both sides of 8th street to install bearing pads.
- Once bridge is set and gantries retracted 1", how long will equipment stay under the bridge before going back to the staging area.
It will remain under the bridge as needed until Barnhart receives authorization from MCM / FIGG to return to the staging area.
- Monitoring Plan values / communication with Barnhart / MCM
Once bridge movement begins Barnhart leads and MCM/FIGG will be informed directly if there are any issues. BDI will keep line of communication with Barnhart at all times. Final placement will be blessed by MCM.



- How long until equipment is fully cleared from the road
Barnhart will take 1 hour to go back to the yard. BDI will take 4 hours to remove all monitors.
 - How many workers shifts are anticipated
Barnhart will have 6 workers per shift. Shifts consist of 12 hours.
 - Lighting plan
Four light towers.
-
- ✓ *Barnhart will have a Risk Manager on site throughout movement operation.*
 - ✓ *Dry run Friday afternoon to confirm installed monitors are reading. Bridge will be moved either backwards or forward just a few feet.*
 - ✓ *MCM mentioned that no later than 9am Sunday the bridge needs to be set in order to leave enough time for removal and opening of traffic by Monday morning.*
 - ✓ *FIGG does not anticipate additional cracks due to the movement if tolerances are kept within range.*
 - ✓ *Initial and final lift measurements will be relative to the ground.*
 - ✓ *VSL is scheduled to release tension on PT Bars after bridge has been set on its final position.*



SIGN-IN SHEET

Project: Design-Build FIU UCPP along SW 109th Ave & SR 90/ SW 8th Street
 Fin No.: 4344688-1-58-01
 FDOT LAP Agreement #: ARI73
 Federal Aid Project #: TGR-002 A

PRE-MOVEMENT MEETING
 March 7, 2018 @ 3:00 P.M.

Consultant / Representative	Company Name	Company Address	Phone Number	E-Mail Address	Initials
Alberto Delgado	FIU	ON FILE			
Rodrigo Isaza	MCM	ON FILE			
Jose Morales	BPA	ON FILE			
Rafael Urdaneta	BPA	ON FILE			
Ernie Hernandez	MCM	ON FILE			
Carlos Chapman	BPA	ON FILE			
Maria Christina Acosta	BPA	ON FILE			
Alexis Molina	Corradino	ON FILE			
ZACH JOPLING	BARNHART				
Eddy Leon	FIGG				



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 March 7, 2018 @ 3:00 P.M.

FRANKLIN HINES	FIGG							
ERIKA	FIGG							
JOAN	BAINHART							
BARTI COMANDAR	BDI							
PATRICIA	FIU							

Between June 10 and June 13, 2017

Emails between MCM, FIGG, and BPA concerning preparation
of construction joints.

Rafael Urdaneta

From: Dempsey, Dwight [REDACTED]
Sent: Tuesday, June 13, 2017 7:56 AM
To: Rafael Urdaneta; Rodrigo Isaza
Cc: Jose Morales; Feliciano, Manuel; Hango, Erika N.
Subject: RE: Concrete Pour

Rafael,

We have had previous communications with MCM regarding this topic and the FDOT specification referenced below was to be followed.

Let us know if you have any further questions.

Thanks,

Dwight D. Dempsey, P.E., S.E.
Regional Director
Southeastern Regional Office
FIGG Bridge Engineers, Inc.
424 N. Calhoun St.
Tallahassee, FL 32301

[REDACTED]
<http://www.figgbriidge.com>
[REDACTED]

From: Rafael Urdaneta [REDACTED]
Sent: Tuesday, June 13, 2017 7:48 AM
To: Dempsey, Dwight [REDACTED]; Rodrigo Isaza [REDACTED]
Cc: Jose Morales [REDACTED]
Subject: FW: Concrete Pour

Rodrigo/Dwight good morning,

Please make sure we have FIGG blessing for the construction cold joints treatment, my personal experience is that a bonding agent will be a reliable way to good because proposed method is not easy to do (column with steel) and achieve good results.

“400-9.3 Preparations of Surfaces: Before depositing new concrete on or against concrete which has hardened, re-tighten the forms. Roughen the surface of the hardened concrete in a manner that will not leave loosened particles, aggregate, or damaged concrete at the surface. Thoroughly clean the surface of foreign matter and laitance, and saturate it with water.”

Rafael Urdaneta
Project Administrator
Bolton, Perez & Associates
7205 Corporate Center Dr. Suite 201

Miami, Florida 33126

[REDACTED]
www.bpamiami.com
[REDACTED]

From: Jose Morales

Sent: Monday, June 12, 2017 10:37 AM

To: Alan Ruiz, P.E. [REDACTED]; Rafael Urdaneta [REDACTED]; Carlos Chapman

[REDACTED]; Pedro Cortes [REDACTED]; Pedro Gomez, P.E. [REDACTED];

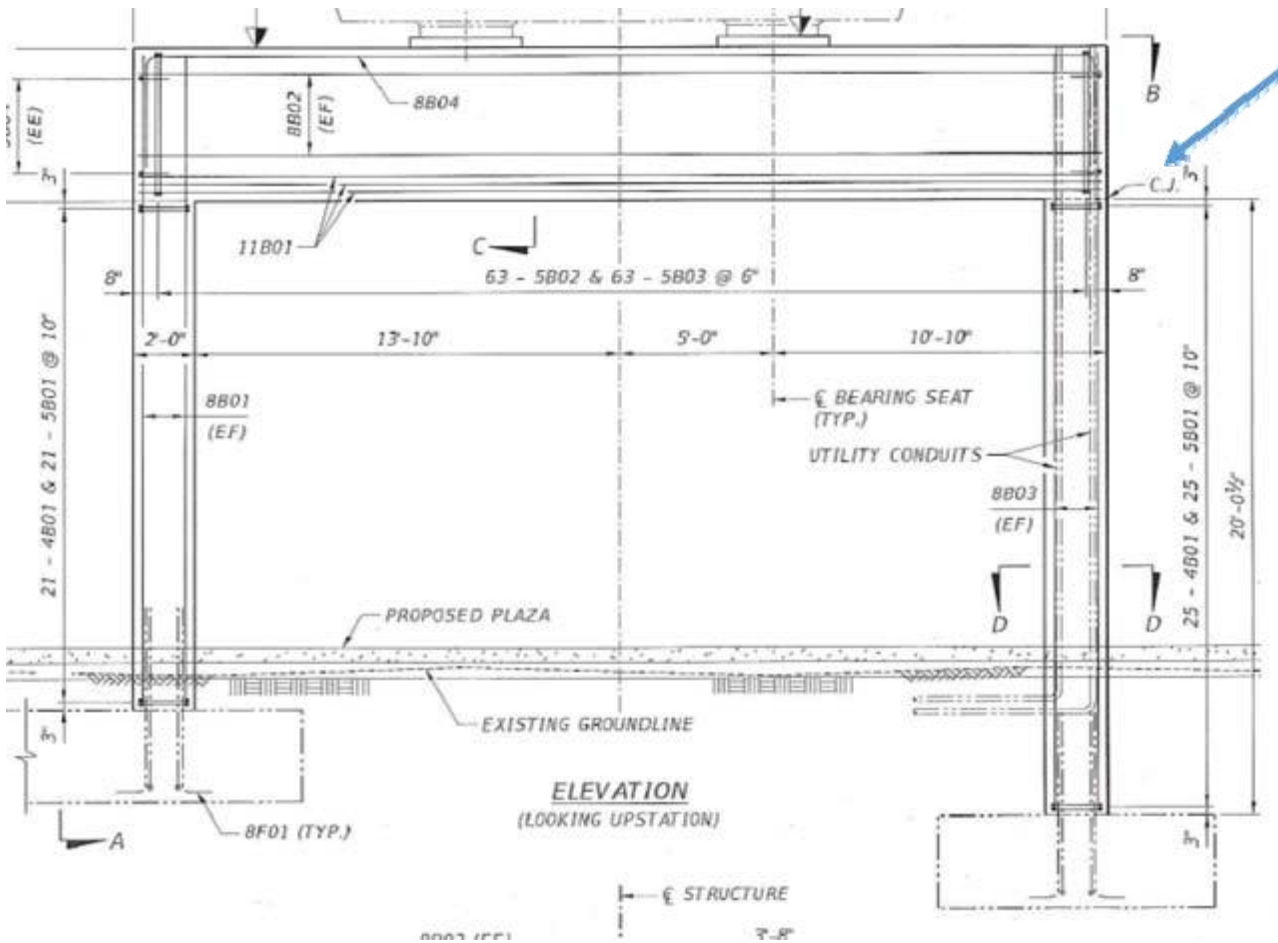
Ernie Hernandez [REDACTED]; Dwight Dempsey [REDACTED]

Cc: FIU-Field-Office [REDACTED]; Rodrigo Isaza (MCM) [REDACTED]

Subject: RE: Concrete Pour

Alan,

Lets make sure we keep FIGG informed about the location of the all future construction joints and represent them accurately in the final as-built.



Thanks,

Jose E. Morales, PE
Sr. Project Engineer



Bridge Rehabilitation
7205 Corporate Center Drive, Suite 201
Miami, Florida 33126

www.bpamiami.com

From: Alan Ruiz, P.E. [REDACTED]
Sent: Monday, June 12, 2017 10:15 AM
To: Rafael Urdaneta [REDACTED]; Jose Morales [REDACTED]; Carlos Chapman [REDACTED]; Pedro Cortes [REDACTED]; Pedro Gomez, P.E. [REDACTED]; Ernie Hernandez [REDACTED]; Dwight Dempsey [REDACTED]
Cc: FIU-Field-Office [REDACTED]; Rodrigo Isaza (MCM) [REDACTED]
Subject: RE: Concrete Pour

Rafael,

I spoke with FIGG and they advised us to follow FDOT Specs which is as follows:

400-9.3 Preparations of Surfaces: Before depositing new concrete on or against concrete which has hardened, re-tighten the forms. Roughen the surface of the hardened concrete in a manner that will not leave loosened particles, aggregate, or damaged concrete at the surface. Thoroughly clean the surface of foreign matter and laitance, and saturate it with water.

The plan notes do not mention the use of a bonding agent so it is not required.

Thanks,

Alan Ruiz, P.E.
[REDACTED]

www.mcm-us.com

From: Rafael Urdaneta [REDACTED]
Sent: Monday, June 12, 2017 10:10 AM
To: Jose Morales; Carlos Chapman; Pedro Cortes; Pedro Gomez, P.E.; Ernie Hernandez; Alan Ruiz, P.E.; Dwight Dempsey
Cc: FIU-Field-Office; Rodrigo Isaza (MCM)
Subject: RE: Concrete Pour

Alan,

Yes, I am referring to construction cold joints on structural elements, please get an answer from FIGG of the appropriate treatment.

Thank you.

Get [Outlook for Android](#)

From: Alan Ruiz, P.E.
Sent: Monday, June 12, 10:06 AM
Subject: RE: Concrete Pour
To: Rafael Urdaneta, Jose Morales, Carlos Chapman, Pedro Cortes, Pedro Gomez, P.E., Ernie Hernandez

Cc: FIU-Field-Office, Rodrigo Isaza (MCM)

Rafael,

Please clarify if you are referring to construction joints or cold joints. For construction joints we will roughen the surface of the hardened concrete and remove loose particles prior to placing new concrete. Please advise.

Thanks,

Alan Ruiz, P.E.

www.mcm-us.com

From: Rafael Urdaneta [REDACTED]
Sent: Monday, June 12, 2017 9:18 AM
To: Jose Morales; Carlos Chapman; Pedro Cortes; Pedro Gomez, P.E.; Ernie Hernandez
Cc: FIU-Field-Office; Rodrigo Isaza (MCM)
Subject: Re: Concrete Pour

Ernie good morning, any response from Figg regarding potential cold joints? Please advise. Thanks.

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On Sat, Jun 10, 2017 at 10:48 AM -0400, "Ernie Hernandez" [REDACTED] wrote:

Hello Rafael, the question will be asked. Have a great weekend. Best Regards. Sent from my T-Mobile 4G LTE Device ----- Original message ----- From: Rafael Urdaneta Date: 6/10/17 10:44 AM (GMT-05:00) To: Jose Morales , Carlos Chapman , Pedro Cortes , "Pedro Gomez, P.E." , Ernie Hernandez Cc: FIU-Field-Office Subject: Re: Concrete Pour Ernie, Every cold joint generated on structural elements will require a treatment with a APL list product. Please ask FIGG their opinion and suggestion. Thank you. Rafael Get Outlook for Android On Sat, Jun 10, 2017 at 9:20 AM -0400, "Ernie Hernandez" [REDACTED] wrote: Good morning Everyone, We are scheduled to pour the first bottom 3.5 ft. of the South column on Foundation Type 3 this coming Monday morning – June 12, 2017 at 8:00 a.m. CEMEX will be the concrete supplier and it will be MIX # 04-1168-01. As always, should you have any questions or concerns feel free to contact me. Best Regards, ERNIE HERNANDEZ [\[cid:image001.gif@01D2E1CA.9F8B36F0\]](cid:image001.gif@01D2E1CA.9F8B36F0) PH: 305-541-0000 Ext 676 | M: 305-345-8360 | FAX: 786-294-0158 6201 SW 70 ST, 2nd Floor Miami, FL 33143 www.mcm-us.com [\[cid:image002.gif@01D2E1CA.9F8B36F0\]](cid:image002.gif@01D2E1CA.9F8B36F0) Please consider the environment before printing. A reminder from MCM, Building Excellence. Follow us! [Twitter][Facebook][LinkedIn][Googleplus] This email has been scanned for spam and viruses by Proofpoint Essentials. Click here to report this email as spam.

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Certificate of Completion

April 7, 2017

Mr. Alexis Molina received Construction Training Qualification Program (CTQP) qualification that was granted by PTI on April 7, 2017.



Post-Tensioning Institute
RCEP Registered Continuing Education Provider

Certificate of Completion

This certificate is presented to

ALEXIS MOLINA

for successfully completing

Level 1 & 2 Bonded PT Field Specialist - Tallahassee, FL

Number of Professional Development Hours (PDHs) Earned: 18.00

Date: Apr 07, 2017

This certificate attests to attendance and participation in the above titled learning activity.

Post-Tensioning Institute
38800 Country Club Drive
Farmington Hills, MI 48331

How to become a Post-Tensioning Technician

How to become a Post-Tensioning Technician

Post-Tensioning Technician Training Info

Post-Tensioning Institute (PTI) is the Florida Department of Transportation's accredited sponsor for the Post-Tensioning Training Courses. A copy of an official pocket card issued by the training course provider that confirms a passing examination grade must be submitted to CTQP along with the application for qualification.

Please see the Construction Training and Qualification Manual (CTQM), chapter eight for details of requirements on the Post-Tensioning Technician Qualification.

Post-Tensioning Institute (PTI)

<http://www.post-tensioning.org/personnel-certification.php>