

Alberto Delgado

From: Jose Morales <JMorales@BPAMiami.com>
Sent: Monday, August 21, 2017 11:13 AM
To: Rodrigo Isaza; Rafael Urdaneta
Cc: 'amolina@corradino.com'; Carlos Chapman; Alberto Delgado; Alan Ruiz, P.E.; Maria Christina Acosta; FIU-Field-Office; FIU-QC
Subject: RE: FIU BT-904 / Transverse PT Duct Installation / Final Position

Rodrigo,

Bolton Perez and Corradino Group performed the longitudinal and transverse Post-Tensioning system inspection on the Main Span as requested, the inspection included: Tendons components conditions, tendons installation, and pressure test.

1. Longitudinal and transverse tendons components were in good conditions at the time of the inspection.
2. The longitudinal and transverse PT tendons (Location, number of tendons, size of ducts and strands) were installed as per plan.
3. All PT longitudinal and transverse PT system components installed as per drawings.
4. Vertical Alignment of the longitudinal and transverse tendons is as per plan and within tolerances.
5. Pressure test was performed to the longitudinal tendon D3, pass (as per 462-8.2.1).
Note: Other pressure test will be performed in one of the PT Bars system before pouring the truss.
6. The horizontal alignment tolerance of the following transverse tendons is not within tolerance as per 462-7.2.1.1 spec., table 7.2.1.1-1 (Ducts installation tolerances).
D12 (8" horizontal position).
D13 (4" horizontal position).
D37 (3" horizontal position).

Due to these transverse tendons alignment (horizontal position) being out of tolerance the EOR will provide the as-built plans representing the existing condition along with a corresponding analysis of this out of tolerance condition. Since a horizontal curve is being introduced to avoid the conflict, tendon eccentricity, radial forces (resulting in potential blow-outs if near an edge), and tendon losses need to be accounted for. Please provide these as-built drawings and analysis to address this condition for closure of this inspection item.

Thanks,

Jose E. Morales, PE
Sr. Project Engineer



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From: Rodrigo Isaza [<mailto:risaza@mcm-us.com>]
Sent: Monday, August 21, 2017 8:01 AM
To: Rafael Urdaneta <RUrdaneta@BPAMiami.com>
Cc: Jose Morales <JMorales@BPAMiami.com>; 'amolina@corradino.com' <amolina@corradino.com>; Carlos Chapman <CChapman@BPAMiami.com>; 'Alberto Delgado' <delgadoa@fiu.edu>; Alan Ruiz, P.E. <aruiz@mcm-us.com>; Maria Christina Acosta <Mcacosta@BPAMiami.com>; FIU-Field-Office <FIU_Field_Office@mcm-us.com>; FIU-QC <FIU-QC@MCMCORP.COM>
Subject: FW: FIU BT-904 / Transverse PT Duct Installation / Final Position

Rafael,
Reference below and provide status.
Thank you

RODRIGO ISAZA | Sr. Project Manager | PH: 305-541-0000 - Ext 371 | M: 305-970-6989
MCM | 6201 SW 70th St., 2nd Floor, Miami, FL 33143 | www.mcm-us.com.
Please consider the environment before printing. A reminder from MCM, Building Excellence

From: Rodrigo Isaza
Sent: Wednesday, August 16, 2017 10:52 AM
To: 'Rafael Urdaneta'
Cc: Jose Morales; 'amolina@corradino.com'; Carlos Chapman; Alberto Delgado; Alan Ruiz, P.E.; Maria Christina Acosta; 'Dempsey, Dwight'; 'Hango, Erika N.'; 'Feliciano, Manuel'; FIU-Field-Office; FIU-QC
Subject: RE: FIU BT-904 / Transverse PT Duct Installation / Final Position

Rafael,
As-built drawings will reflect these accordingly. Therefore, please update and resend the attached inspection report.
Thank you

RODRIGO ISAZA | Sr. Project Manager | PH: 305-541-0000 - Ext 371 | M: 305-970-6989
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Please consider the environment before printing. A reminder from MCM, Building Excellence

From: Rafael Urdaneta [<mailto:RUrdaneta@BPAMiami.com>]
Sent: Wednesday, August 16, 2017 10:32 AM
To: Rodrigo Isaza
Cc: Jose Morales; 'amolina@corradino.com'; Carlos Chapman; Alberto Delgado; Alan Ruiz, P.E.; Maria Christina Acosta
Subject: FW: FIU BT-904 / Transverse PT Duct Installation / Final Position

See below, we have no further comments.

Please provide as-built records for future reference.

Rafael Urdaneta, CCM
Project Administrator

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From: Reyna, Alfredo [<mailto:Alfredo.Reyna@dot.state.fl.us>]
Sent: Wednesday, August 16, 2017 10:24 AM
To: Rafael Urdaneta <RUrdaneta@BPAMiami.com>
Cc: Alberto Delgado <delgadoa@fiu.edu>; Yassin, Aiah <Aiah.Yassin@dot.state.fl.us>; Jose Morales <JMorales@BPAMiami.com>
Subject: FW: FIU BT-904 / Transverse PT Duct Installation / Final Position

Rafael,
You are good to go. See the string of e-mail below.
Regards

Alfredo Reyna, P.E.
LAP Coordinator - Keith and Schnars, P.A.
Florida Department of Transportation
(305) 470-5288 Fax (305) 470-6737
Alfredo.Reyna@dot.state.fl.us

From: Rivera, Jorge (FHWA) [<mailto:Jorge.Rivera@dot.gov>]
Sent: Wednesday, August 16, 2017 10:21 AM
To: Reyna, Alfredo
Cc: Laureano, Hector (FHWA); Yassin, Aiah
Subject: FW: FIU BT-904 / Transverse PT Duct Installation / Final Position

Alfredo:

Since the stresses are within the allowable limits, FHWA has no further comments regarding the transverse tendons for the FIU pedestrian bridge. Please keep as-builts and supporting documentation in the project file.

Thank you,

Jorge J. Rivera
District 6 Transportation Engineer
Direct Line: (407) 867-6406
e-mail: jorge.rivera@dot.gov
Federal Highway Administration
Florida Division

From: Laureano, Hector (FHWA)
Sent: Monday, August 14, 2017 9:16 AM
To: Rivera, Jorge (FHWA) <Jorge.Rivera@dot.gov>
Subject: RE: FIU BT-904 / Transverse PT Duct Installation / Final Position

Jorge,

Since FIGG provided MCM an evaluation of the as-built condition of the transverse tendons in the deck of Span 1 (transverse tendons #12, #13 and #37); and the analysis shows the stresses are within the allowable limits established by AASHTO LRFD code, I have no further comments.

It is important that all as-builts and analysis are kept in file for future reference.

Thanks,

Hector R. Laureano, P.E.

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"It's kind of fun to do the impossible." - Walt Disney

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