

TRANSPORTATION SYMPOSIUM

2019

DB Issues from the
Structural Industry Viewpoint

TASK FORCE ORIGINS

1. ACEC task force developed after 2018 FDOT Transportation Symposium three-part presentation “Lessons Learned – Bridge Concepts” by Tom Andres, Asst. State Structures Design Engineer (SSDE)
 - a. Raised awareness of design issues
 - b. Initiated conversation within ACEC-FL about removing obstacles to immediate feedback
2. Task force was formed to create continuous dialogue between SSDO and structures design consultant community
 - a. Task force meets quarterly
 - b. FDOT representatives: SSDE, Asst. SSDE's, SSDO Plans Review Section, and other SSDO staff
 - c. ACEC-FL representatives: cross-section of consultant bridge design practitioners from throughout the state; large, medium, and small firms

PRESENTATION GOALS

1. Share insight into focus areas affecting consultant bridge design community
2. Provide innovative, partnering approaches to the improve DB process



RUNDOWN

IPR – When is it Required?

IPR – Quality

Shop Drawings

ERC Comments

Innovative Designs

AUDIENCE QUESTIONS



PARDON THE INTERRUPTION – SYMPOSIUM EDITION



1:12

RUNDOWN

COWBOYS

VIKINGS

VICK

PATS/BROWNS

RAIDERS/FALCONS

HARD HITS

ZENYATTA



DID WADE DESERVE TO BE FIRED?

Jose Cuervo
THE CUERVO

FOLLOW US ON TWITTER @ TWITTER.COM/PTISHOW



Danny Raymat, PE



Abhay Thorat, PE

05:00

RUNDOWN

IPR – When is it Required?

IPR – Quality

Shop Drawings

ERC Comments

Innovative Designs

AUDIENCE QUESTIONS



Independent Peer Review – When is it required?



Danny Raymat, PE



Guillermo Madriz, PE

06:00

RUNDOWN

IPR – When is it Required?

IPR – Quality

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AUDIENCE QUESTIONS



Independent Peer Review - Quality issues



Carmine Borea, PE



Tim Noles, PE

06:00

RUNDOWN

IPR – When is it Required?

IPR – Quality

Shop Drawings

ERC Comments

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AUDIENCE QUESTIONS



How can the quality of the shop drawing process be improved?



Jack Haynes, PE



Coriann Salas, PE

06:00

RUNDOWN

IPR – When is it Required?

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ERC Comments

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AUDIENCE QUESTIONS



How can we streamline the ERC process to improve production and make it less painful for all?



Coriann Salas, PE



Abhay Thorat, PE

06:00

RUNDOWN

IPR – When is it Required?

IPR – Quality

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ERC Comments

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AUDIENCE QUESTIONS



Incorporation of non-standard bridge concepts in the procurement phase.

Text comments about presentation feedback:

Text **549905** followed by a space and response to the number **22333**

What improvements can be made in the future?

- Incorporation of a pre-planning step into the Design Build procurement process
- Setting milestone in the Design Build submittal schedule where no further changes can be implemented into design

RUNDOWN

IPR – When is it Required?

IPR – Quality

Shop Drawings

ERC Comments

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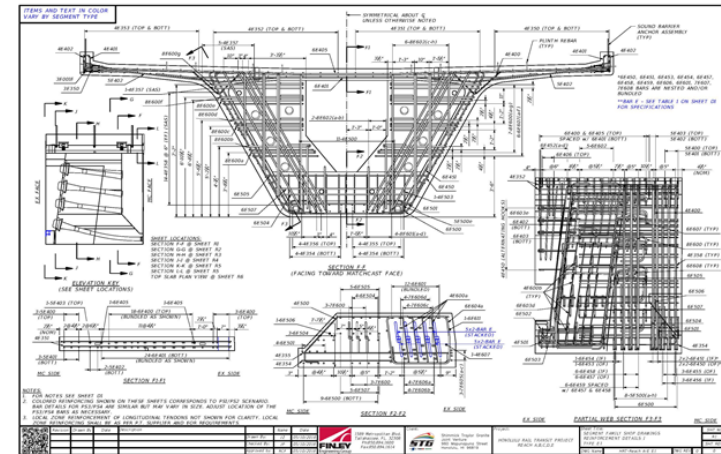
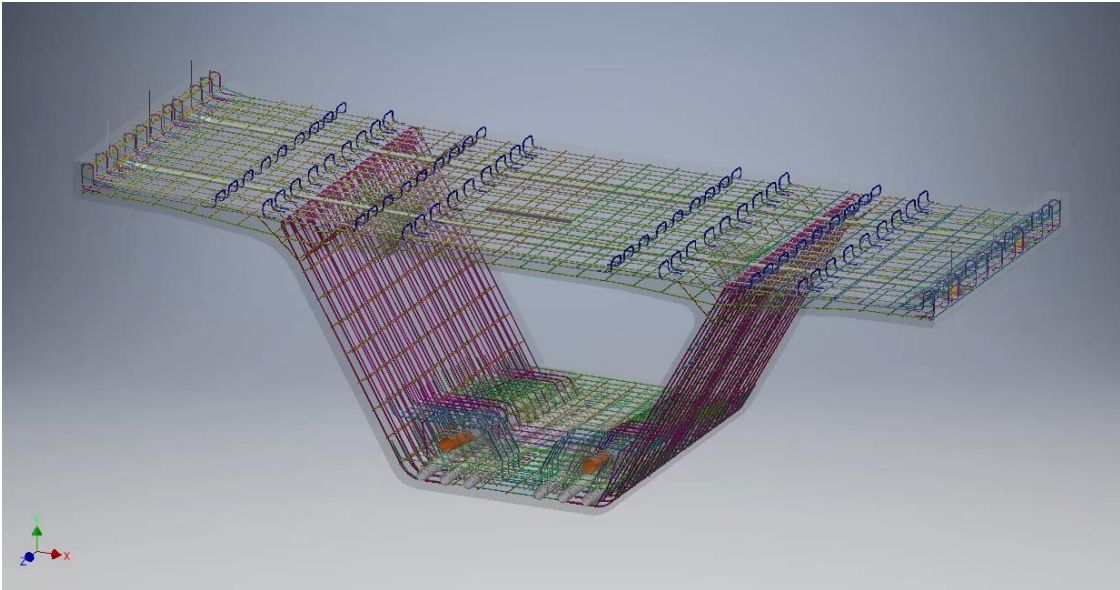
AUDIENCE QUESTIONS



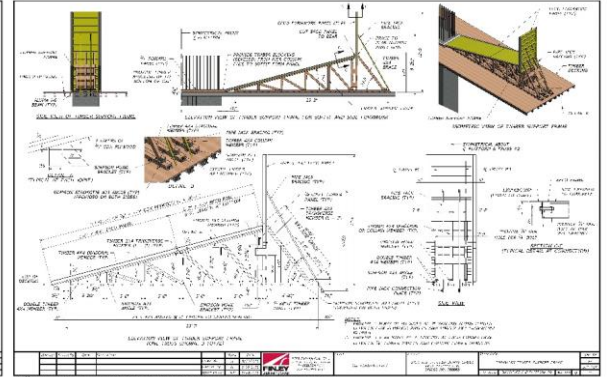
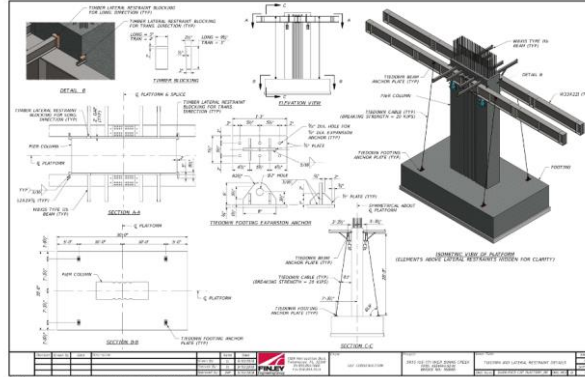
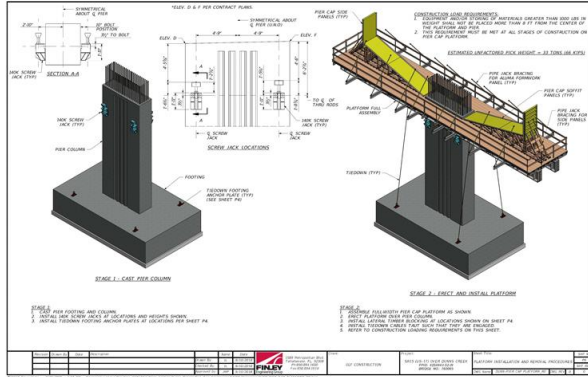
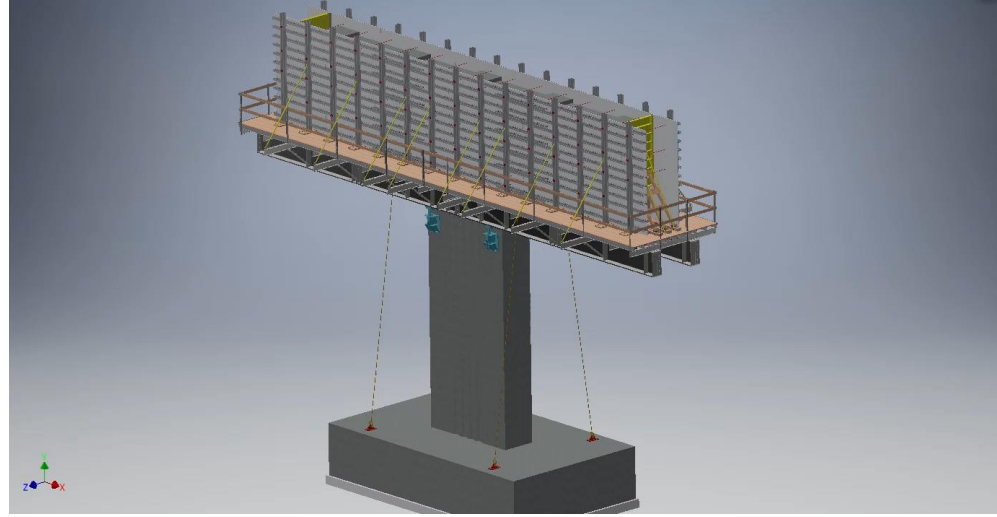
Audience Feedback...



Audience Questions



SHOP DRAWING PROCESSES – TEMPORARY WORKS



3D/BrIM Approach to guarantee a high standard quality product for both the FDOT and Contractors.