

Project Advisory Committee

Meeting #2 – Project Kick-off

January 6, 2021

*City of Bradenton Beach
Community of Cortez*

Today's Agenda

- Team Introductions
- Recap of the first meeting
- What we heard from you
- New feedback from community?
- Introduction to pier options

Project Design Team

- FDOT Project Manager - Roxann Lake
- Consultant PM Lead Structures - Doug Hershey - H.W. Lochner
- Concept Development - Adrian Moon - WSP USA



Roxann



Doug



Adrian

Committee Purpose

- Represent the community
- Help Design Team understand local issues
- Provide Ideas and Feedback on Aesthetics



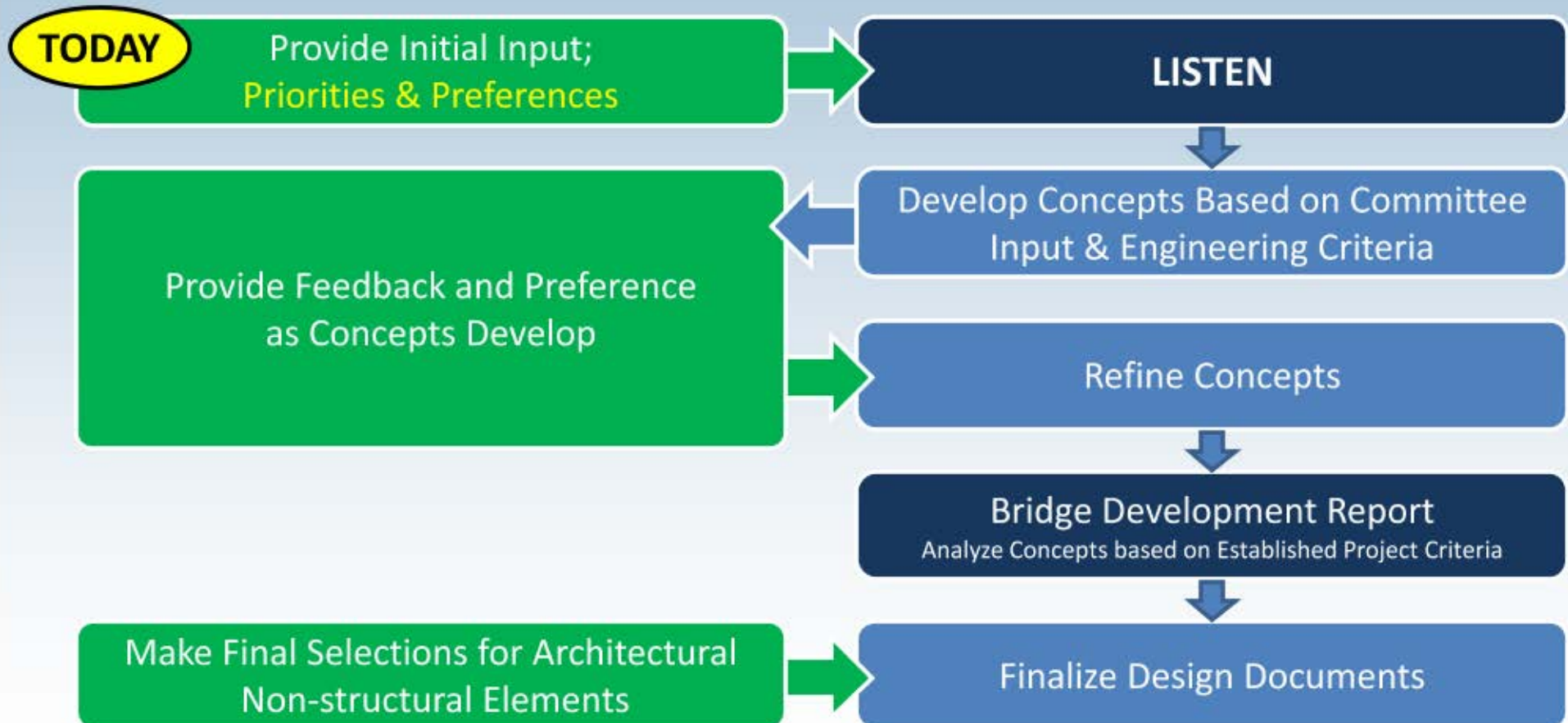
Committee Goals

- A Bridge that the Cortez community can embrace and be proud of
- Everyone proud of what was accomplished TOGETHER
- **What do you think our goals should include?**

Advisory Committee **Roles & Process**

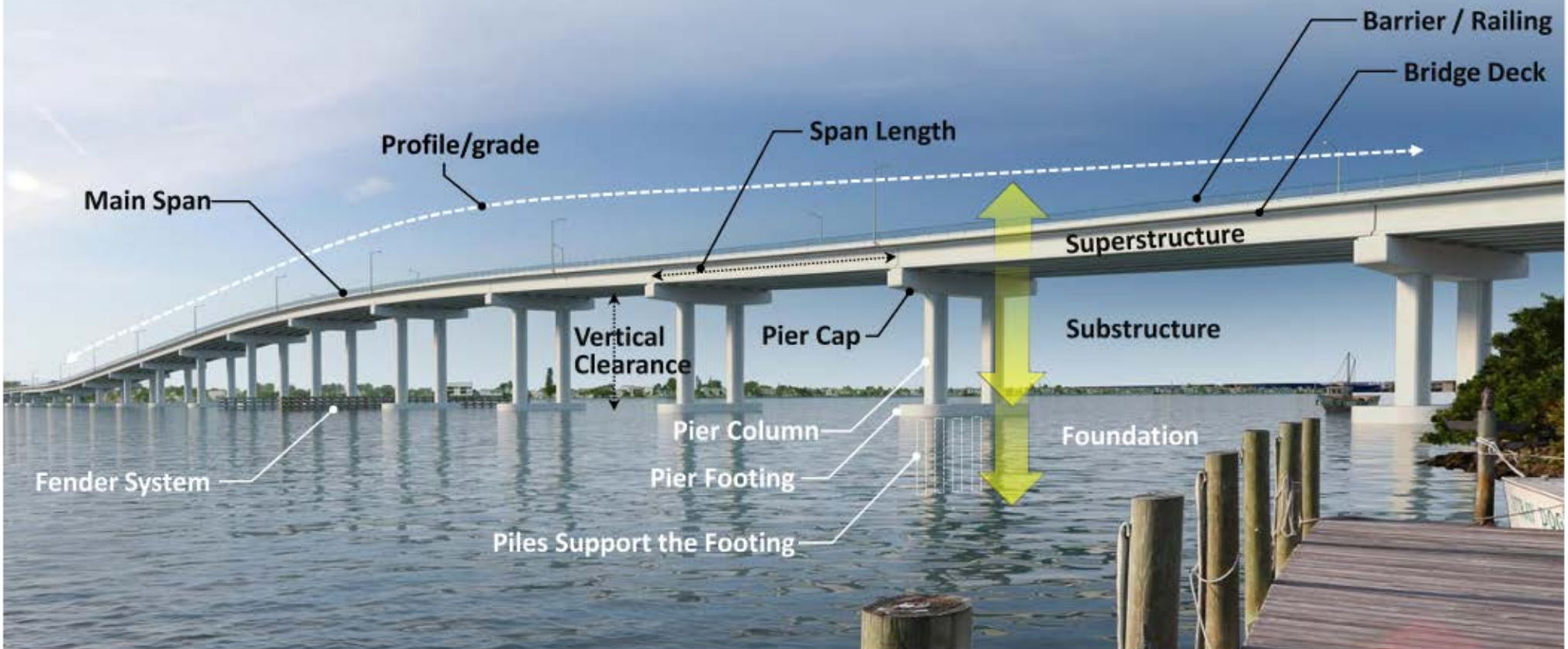
Advisory Committee

FDOT Design Team



Project Terminology

- Fancy engineering vocabulary
- Please stop us if we use too much of this language!



Project History

- PD&E Study Complete
- High Level Alternative Selected
- Strong opposition to “mega bridge”
- Moving toward a positive finish



The Community of Cortez & Bradenton Beach

- Unique History and Culture
- Old Florida Fishing Village
- Changes Due to Increased Tourism
- **How Can This Bridge Compliment that History?**



Design Considerations

- **Engineering Requirements** - Navigational channel clearance, vertical profile, Bridge Overlap, ADA
- **Aesthetics** - Based on community desires
- **Construction Cost** - Efficient design that meets budget
- **Maintenance** - Durable design that reduces long term maintenance costs
- **Pedestrian & Bicycle Safety** - Accommodations and Functionality
- **Construction Impacts & Schedule** - Environmental/Economic Impacts
- **Additional Community Considerations? What are Your Priorities?**



Design Elements

Need for
BDR

Structural

- Superstructure Type & Geometry
- Substructure & Pier Design
- Span Layout & Profile

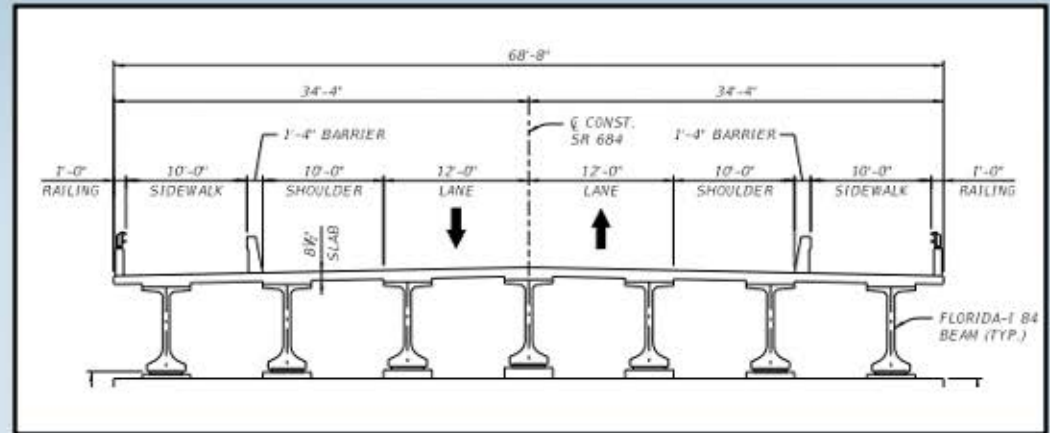
Need for
**FINAL
DESIGN**

Architectural

- Railings
- Overlooks
- Decorative & Aesthetic Lighting
- Landscaping
- Pedestrian Features
- Special Features - Art, gateway, educational

Main Structural Elements

- Superstructure - Beams
- Substructure - Piers



Design Elements

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BDR

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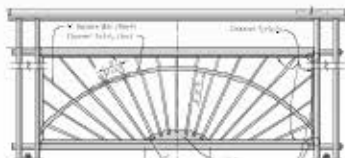
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Architectural - **Later!**

- Colors, textures, lighting, landscaping
- Decorative features
- Art and educational features



First Meeting Recap

- What we heard from you
 - More inclusive committee
 - Opportunity for New Fishing Pier



- What you've heard - Any additional community Feedback?

New Community Fishing Pier? (Cortez side)

- Custom design to suit community/fishing preferences
- Could include historical elements associated with Cortez Village
- Could tie into public waterside space under Eastern approach spans



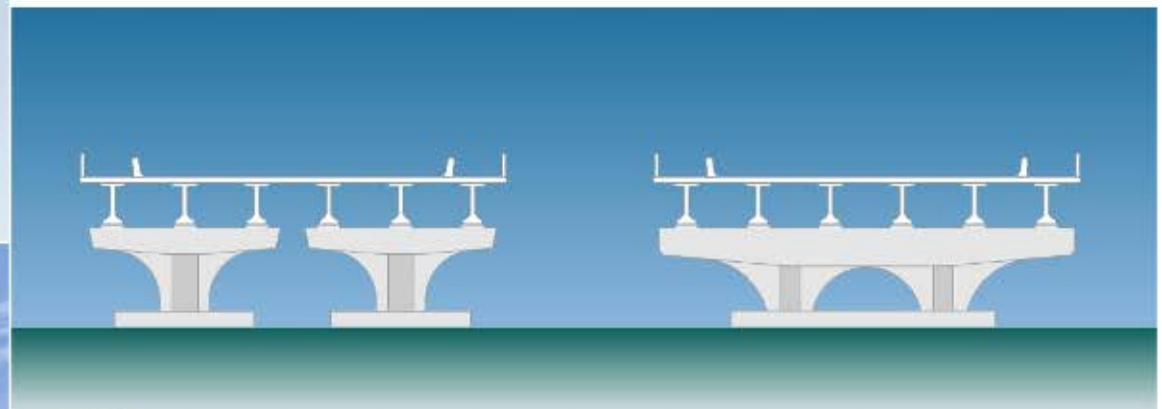
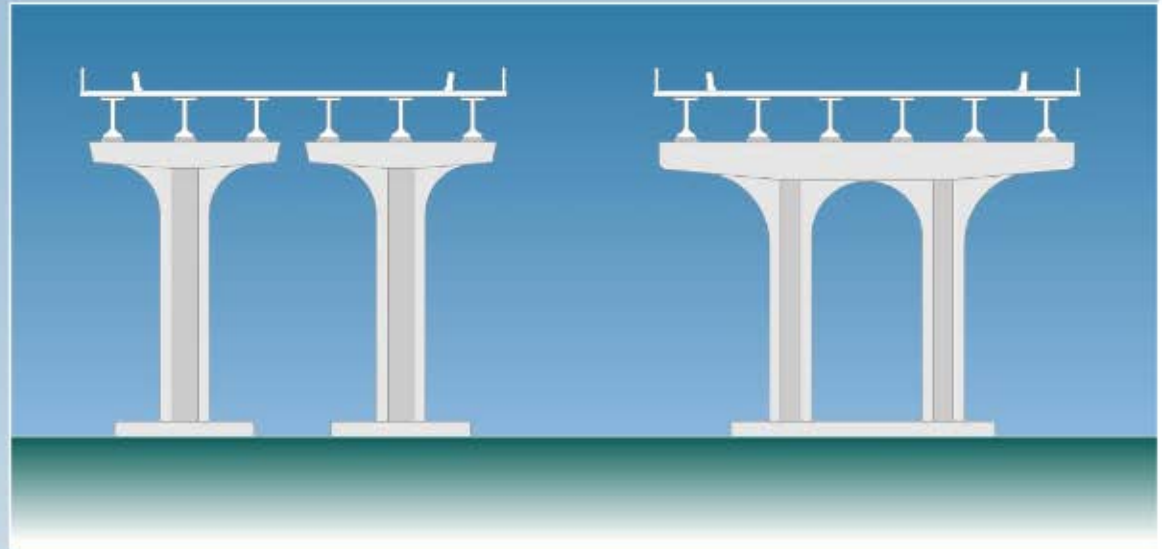
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- Custom design to suit community/fishing preferences
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Pier Alternatives

- Most prominent structural feature
- Two piers side-by-side to facilitate construction
- Variety of pier heights, end spans vs main span



- **Examples You've Seen Elsewhere That You Like?**

Pier Alternatives

- **Connected Piers**
Have more mass, but can create closed arched patterns
- **Aesthetic lighting**
Can be an important characteristic of pier selection. Input?



Pier Alternatives

- **Thinner piers**
Visually have less mass, but can make a bridge appear tall or soaring, more modern.

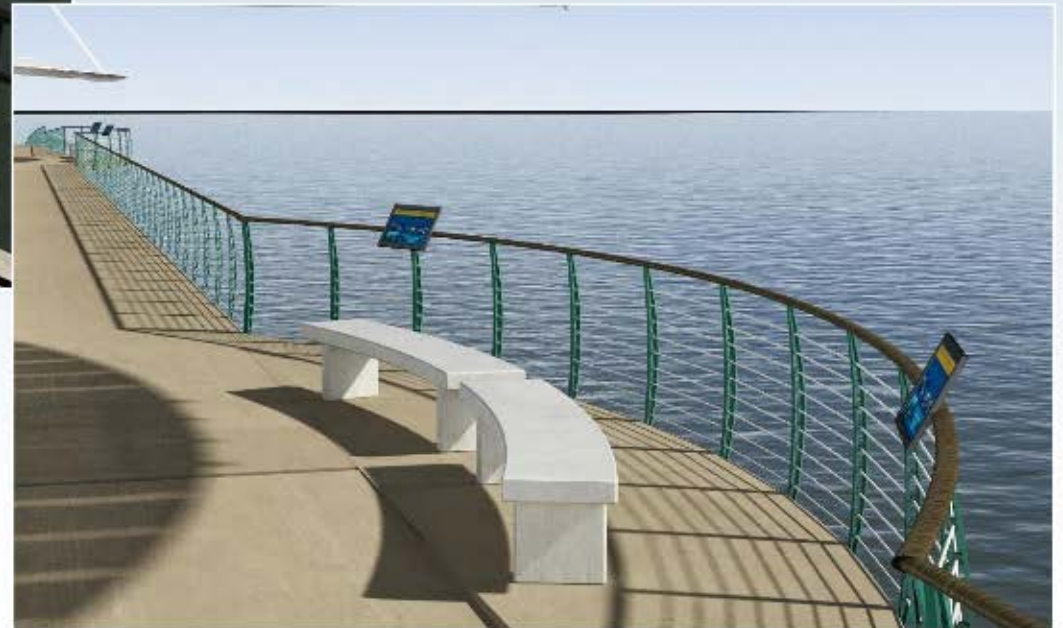


- **Thicker piers**
Have more mass, but can make a bridge appear lower, more historic.



Pier Overlooks

- Can be integrated with some or all Pier locations
- Can include local art, historic or educational plaques



Thanks for your help!

