

Prescribing Architectural Merit in Segmental Bridges

What Details Have the Biggest Impact

30th ANNUAL CONVENTION

AMERICAN SEGMENTAL BRIDGE INSTITUTE

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- Prescribing Aesthetics in Projects
- Beauty in Materials & Methods
- Details with Highest Impact



Bridge Architecture & Aesthetics

What is Bridge Architecture?

- Architectural Principles on Bridges
- Combining Form and Function
- Understand Community Needs
- Bridge Visualizations



Bridge Architecture & Aesthetics

Cities & communities now more than ever are demanding their infrastructure to be designed aesthetically and responsibly as an investment for future generations.



Bridge Architecture & Aesthetics

Key Elements

Form / Proportions / Materials

Complementing Elements

Texture / Color / Lighting



Reveals \neq Aesthetics

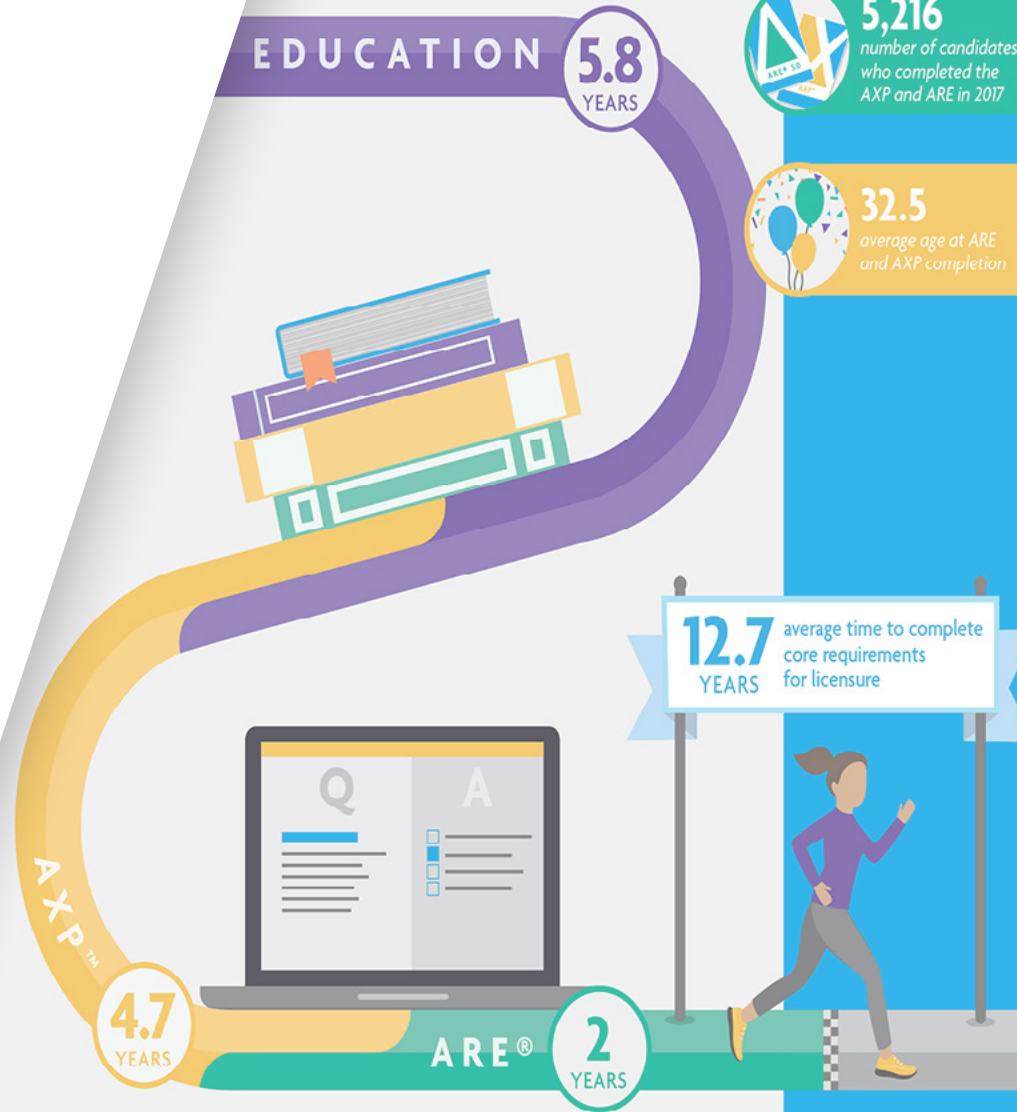
Bridge Architecture & Aesthetics

No Secret Recipe



Bridge Architecture & Aesthetics

The Bridge Architect



Bridge Architecture & Aesthetics

Same Ingredients



Different Results

How Do We Prescribe Aesthetics?
Why Do We Prescribe Aesthetics?
When Do We Prescribe Aesthetics?

How?

- Prescribe Architectural Language in RFP
- Require Bridge Architect as Specialist
- Establish Aesthetic Qualities



Why?

- Community Identity
- Investment for Future Generations
- Pride



When?

- Always
- Not Signature Bridges
- Beautiful & Well Designed



Cost / RFP

- RFP Language (Avoid TOO Prescriptive)
- Aesthetic Committee With Knowledge
- Bridge Architect as Specialist



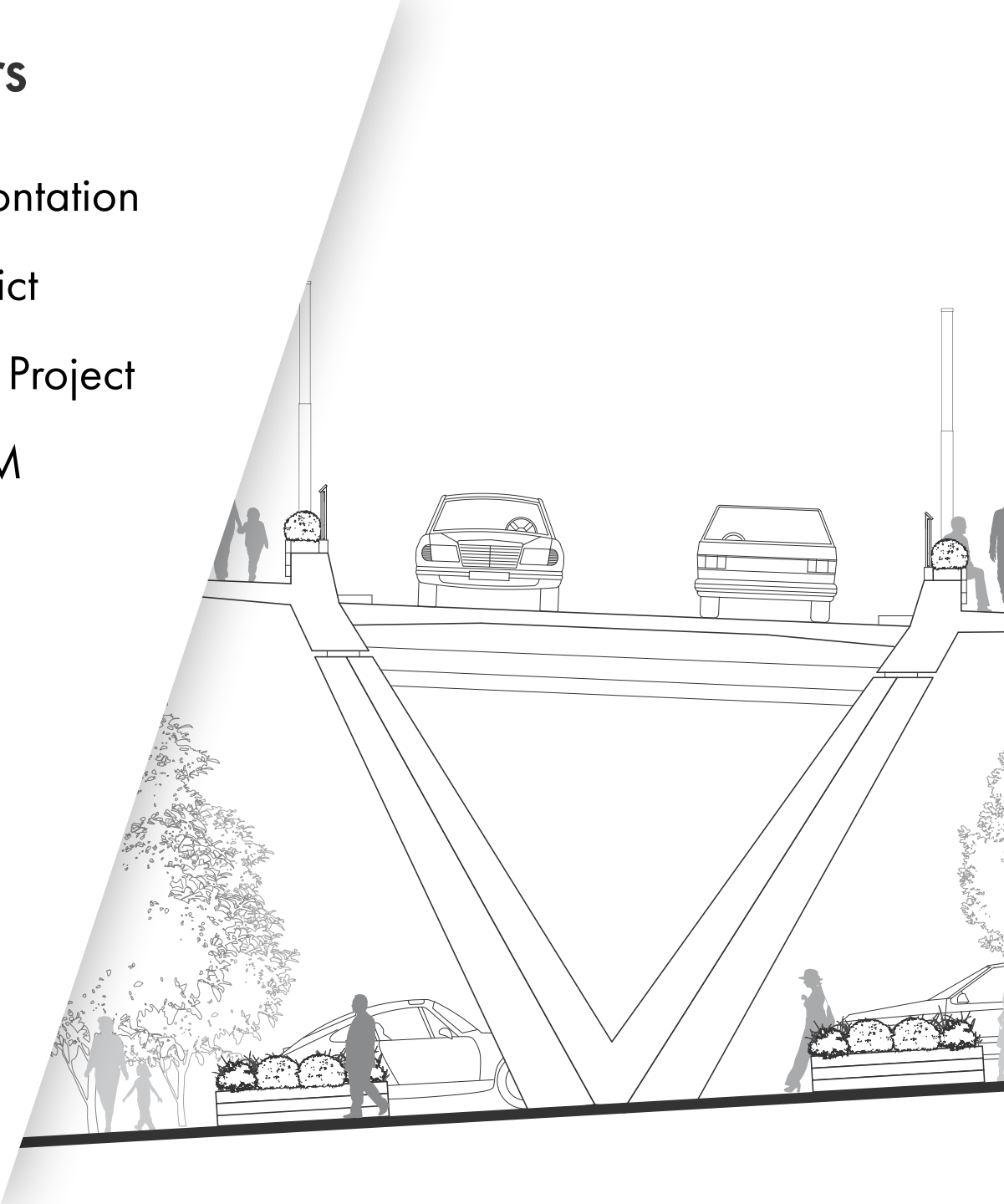
Cost / Design

- Architects/Engineers Working Together
- Initial Stages of Design
- Low Cost / High Impact
- Modular Design
- Avoid Decorations
- Avoid Color as Main Feature
- Use Materials Honestly



Architects & Engineers

- Conversation, NOT Confrontation
- Collaboration, NOT Conflict
- Work Together Throughout Project
- Sharing Technology / BrIM



Beauty in Materials

- Trust Materials & Methods
- Let Concrete be Concrete
- Embrace Aging
- Texture as Storytelling Not Decoration



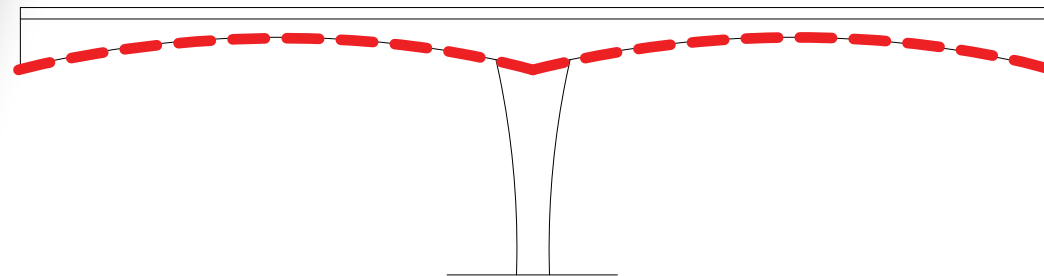
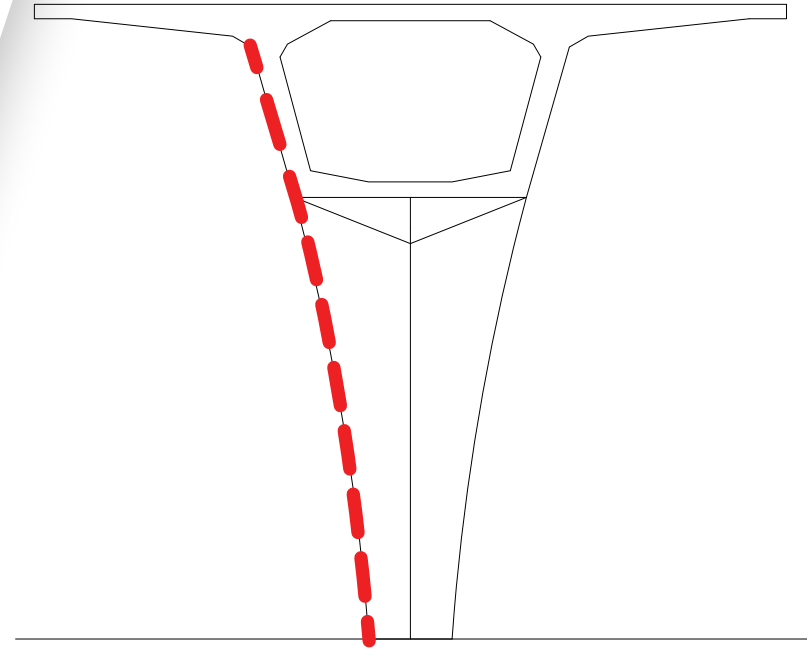
Aesthetic Elements

- **Piers**
- Lines
- Abutments
- Lighting



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Aesthetic Elements

- Piers
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- **Lighting**



If you foolishly ignore beauty you will soon find yourself without it. But if you invest in beauty, it will remain with you all the days of your life.

-Frank Lloyd Wright

Questions?





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