The Pioneer Crossing Project: Pioneering Innovation

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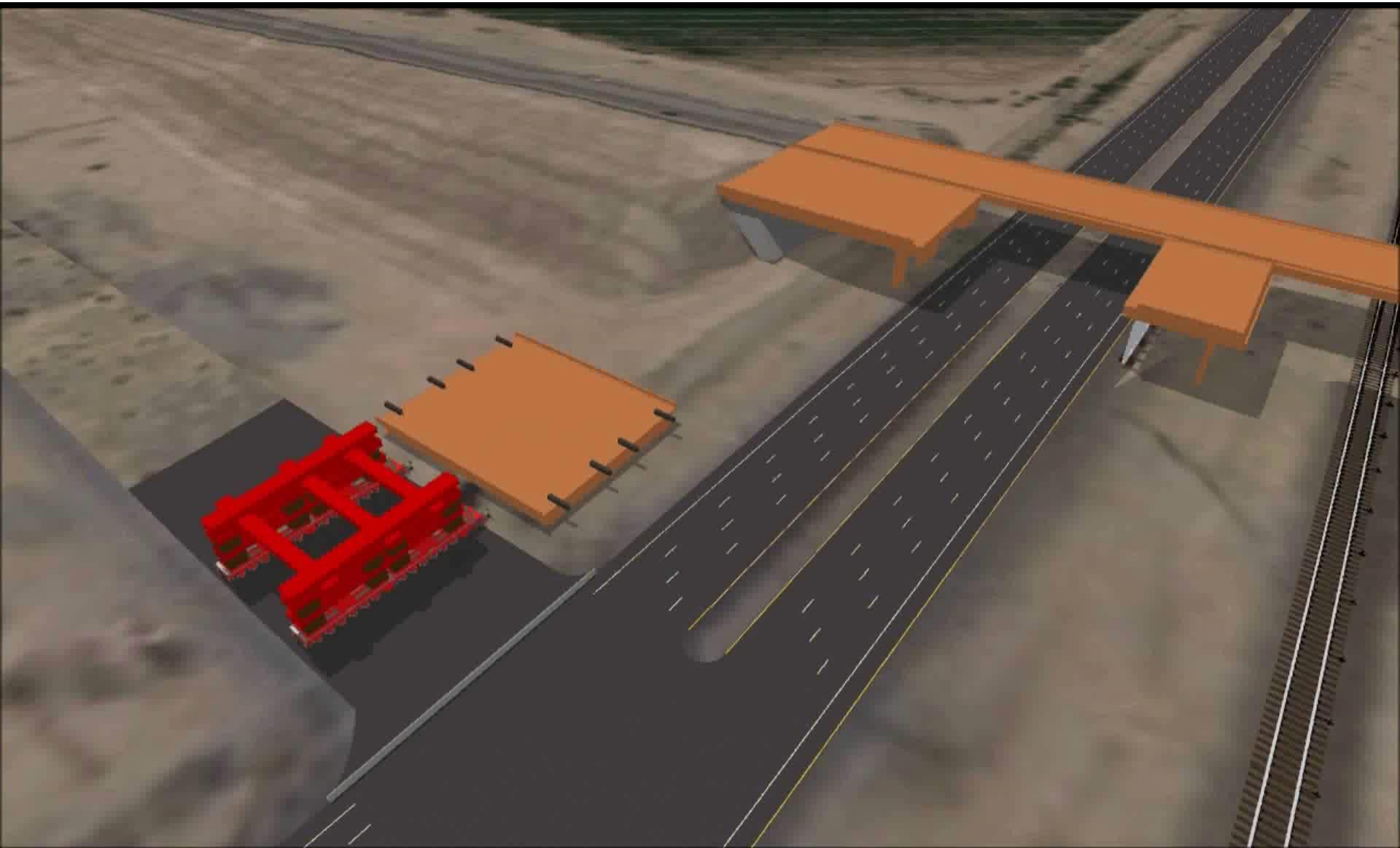
AGENDA

- Why ABC?
- Pioneer Crossing Overview
- ABC Falsework Types
- Self Propelled Modular Transporters
- Bridge Move
  - Design Requirements
  - Lift Supports
  - Travel Path
  - Geometry Control
  - Public Involvement

WHY ABC?

- Reduces Road User Costs and Impacts
- Reduces Construction Schedule (Preferred by Businesses and Commuters)
- Improves Quality of Construction (Controlled Environment)
- Improves Safety of Traveling Public and Construction Workers

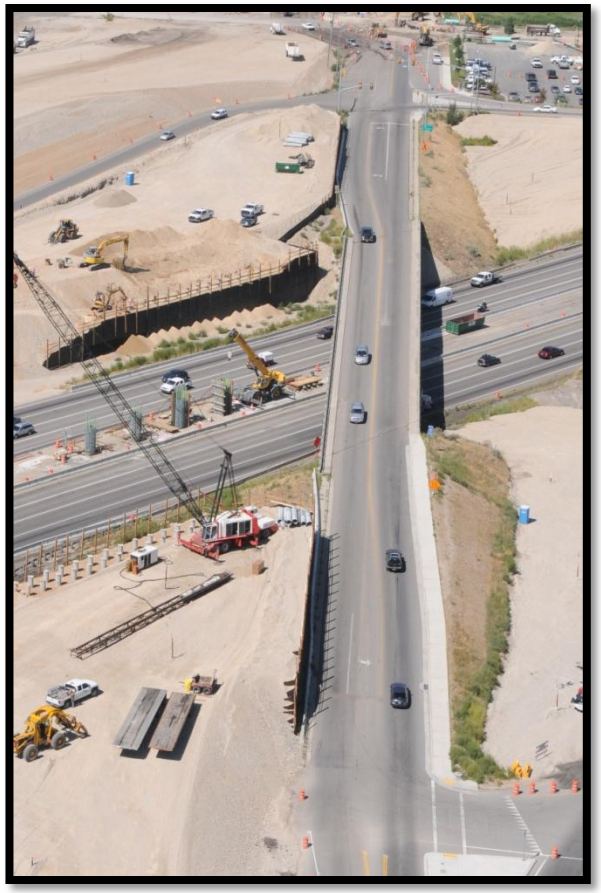
SPMT CONCEPT VIDEO

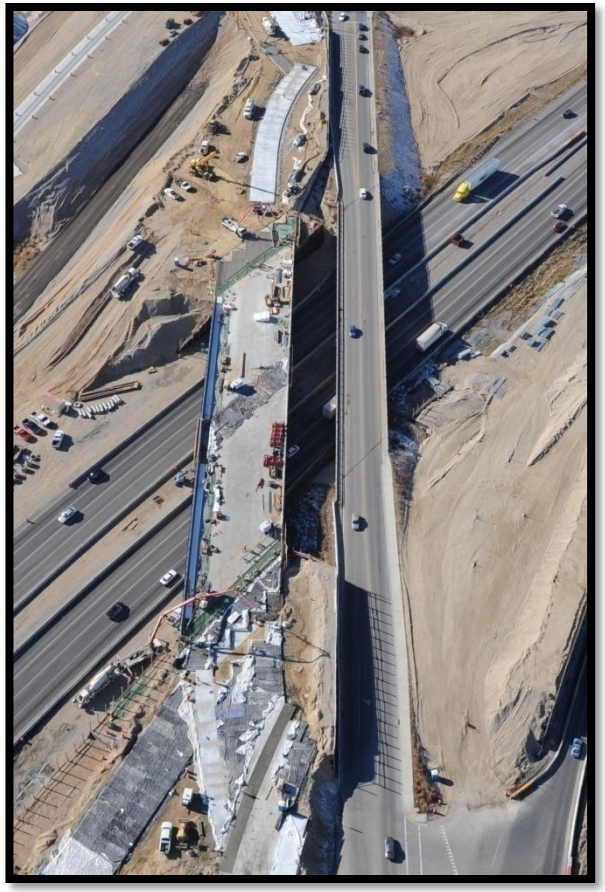


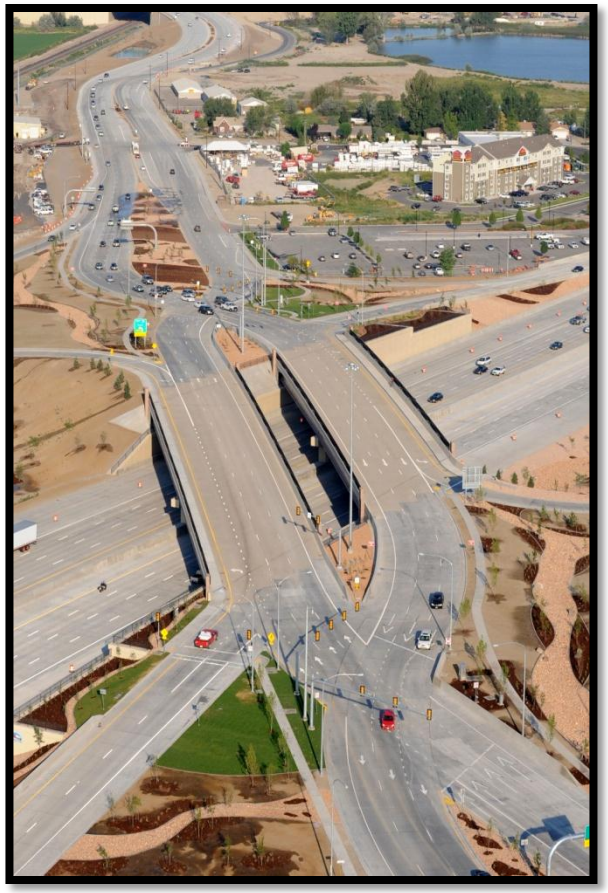
PIONEER CROSSING OVERVIEW

- $172 Million Design-Build Best Value Contract
- RFP Awarded Points for Innovative Construction

PIONEER CROSSING OVERVIEW







BRIDGE FARM

ABC FALSEWORK – STEEL PILE

ABC FALSEWORK ALTERNATIVES

ABC FALSEWORK ALTERNATIVES

ABC FALSEWORK ALTERNATIVES

ABC FALSEWORK – GIRDER SET

ABC FALSEWORK ALTERNATIVES

ABC FALSEWORK ALTERNATIVES

FINAL DECK POUR

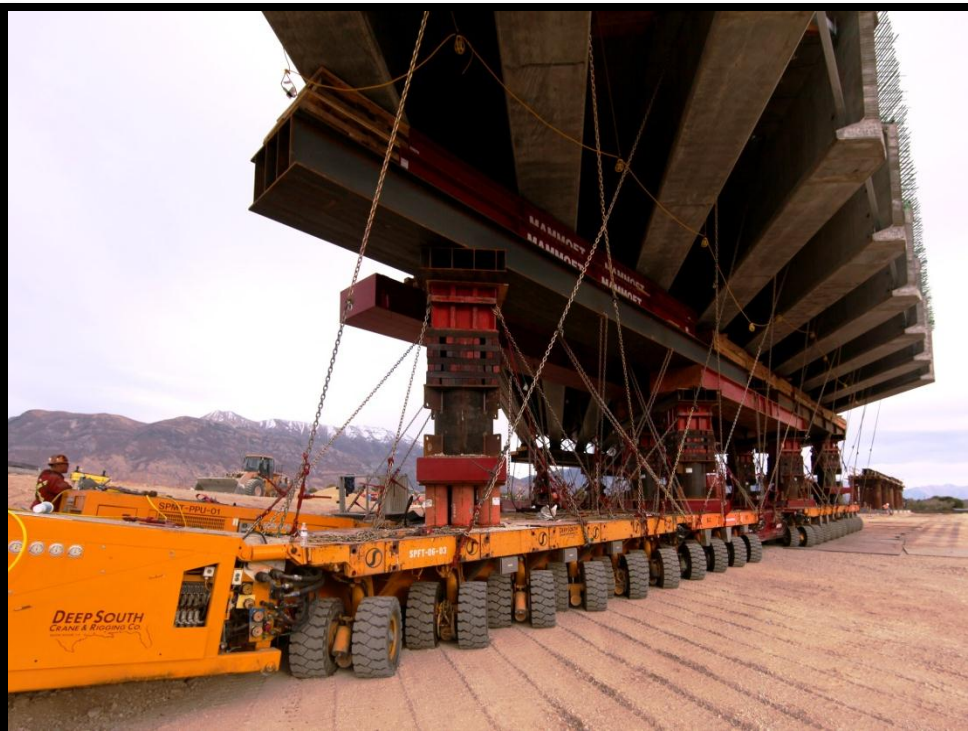
SELF-PROPELLED MODULAR TRANSPORTERS

SELF-PROPELLED MODULAR TRANSPORTERS

SELF-PROPELLED MODULAR TRANSPORTERS

BRIDGE MOVE - DESIGN

- Additional Reinforcement and Temporary Bracing
  - Additional Intermediate Steel Diaphragms
  - Bracing at Ends of Girders
  - Additional Rebar in the Deck



BRIDGE MOVE - LIFTING POINTS

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BRIDGE MOVE – TRAVEL PATH

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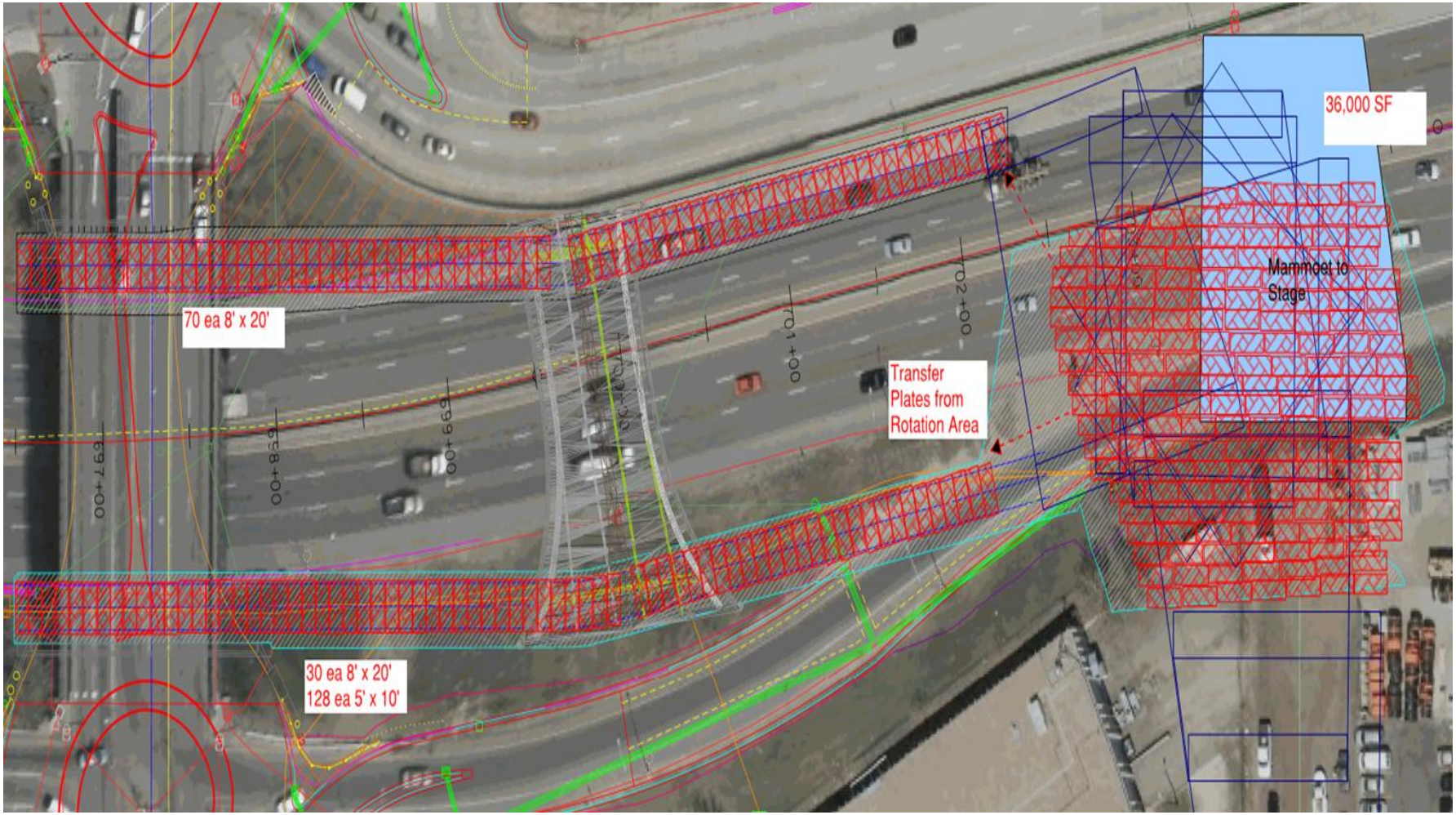
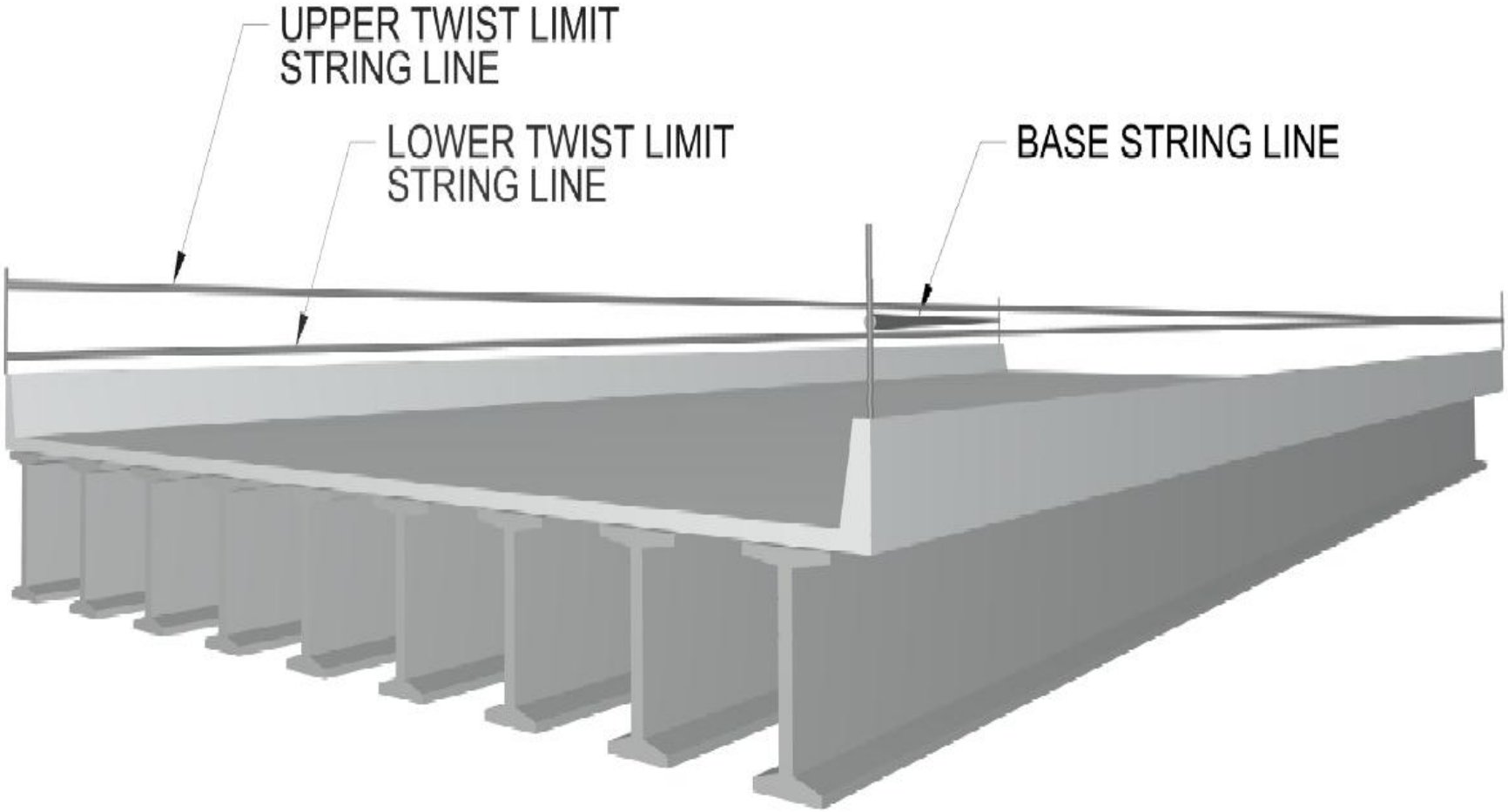


BRIDGE MOVE – GEOMETRY CONTROL



BRIDGE MOVE – GEOMETRY CONTROL

- Allowable 2” Deflection Provided by Engineer
- Survey Monitoring Points Established
- Deck Corner String Lines Installed

BRIDGE MOVE – PUBLIC INVOLVEMENT

- Inform the Public Early on in the Project
- Get the Public Excited about ABC


Questions?