

August 30, 2023

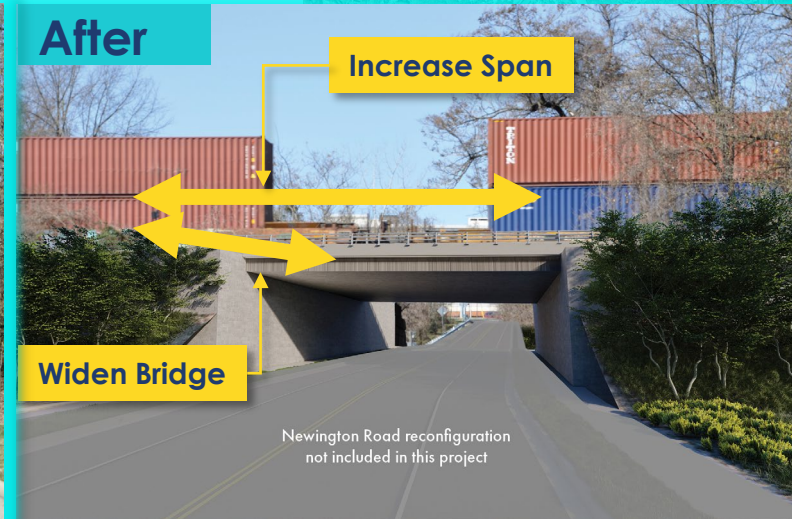
Franconia-Springfield Bypass CM/GC

VPRA Board of Directors
August Meeting



Franconia Corridor Projects

- **Franconia to Lorton 3rd Track**
 - Multi-modal benefits
- Franconia-Springfield Station Improvements
- Franconia-Springfield Bypass



New rail bridge at Newington Road allows for needed road widening

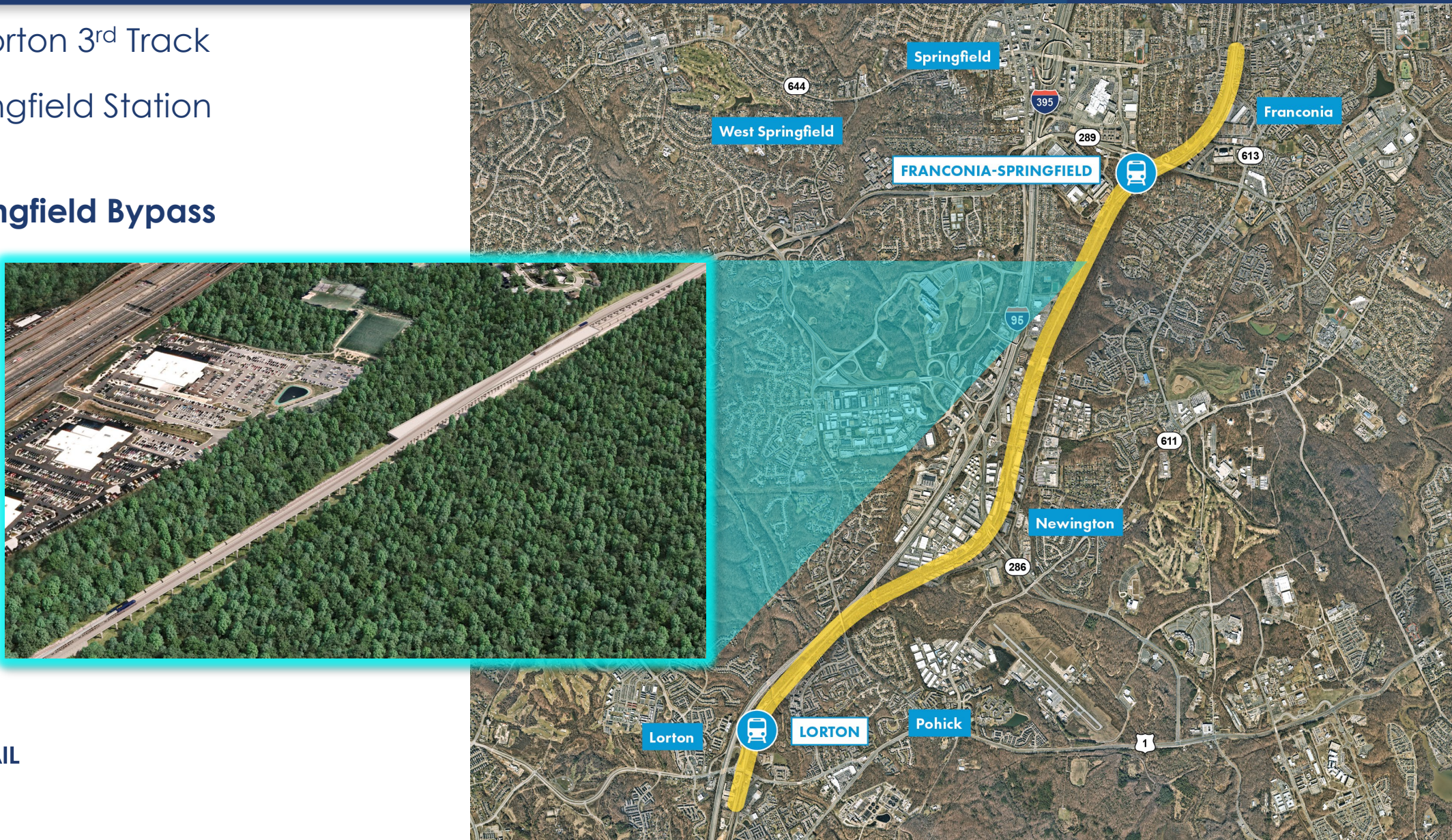
Franconia Corridor Projects

- Franconia to Lorton 3rd Track
- **Franconia-Springfield Station Improvements**
- Franconia-Springfield Bypass

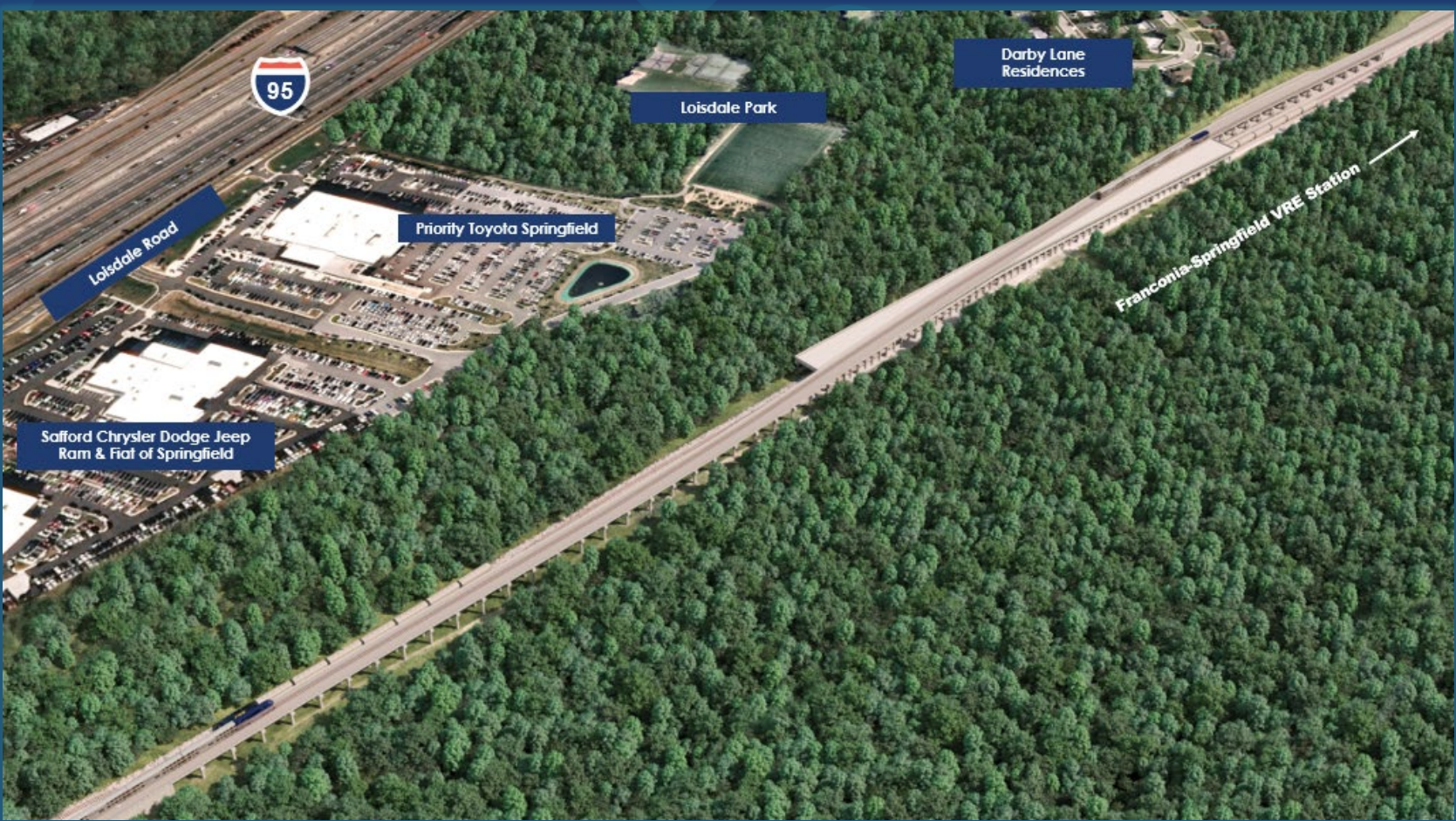


Franconia Corridor Projects

- Franconia to Lorton 3rd Track
- Franconia-Springfield Station Improvements
- **Franconia-Springfield Bypass**



Franconia-Springfield Bypass



Aerial view of Bypass bridge

1.8 mile

Project

3

Rail Operators

8,000

Feet of Track

1

New Track

5,000 ft

Flyover Bridge

1

New Flyover Bridge

2,700 ft

Retaining Walls

4

Major Retaining Walls

8+

Stakeholders

70

Daily Trains

View 1: Facing South

Darby Lane Residences



North of Bypass: New Passenger Track West of CSXT Tracks

Bypass Construction Scope & Requirements

Key Scope Items

- New rail bridge
- New retaining walls
- Railroad crash walls
- Embankment fills
- Track installation
- Stormwater management facilities
- Erosion & sediment controls
- Early & enabling work

Requirements

- Maintenance of railroad traffic (70 trains/day)
- Coordinate with VRE F-S Station Project
- Coordinate with VPRA/CSXT 3rd Track Project
- CSXT to perform utility relocations
- CSXT to install signals
- Substantial completion by December 2026
- Small business utilization
- Comply with stakeholder agreements/permits

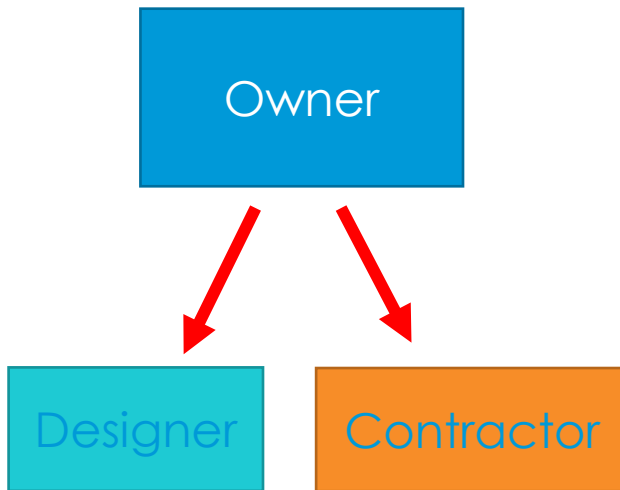


Bypass South end, view
facing North

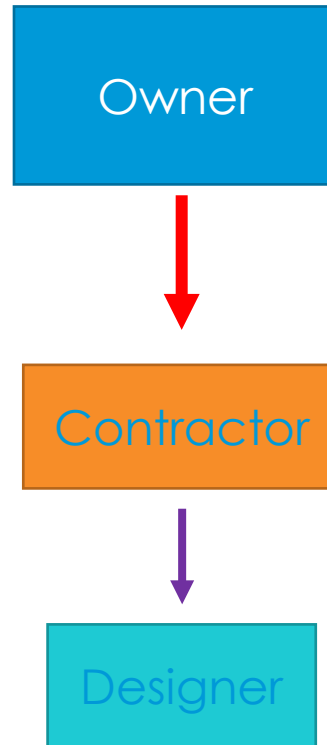


Project Delivery Structures

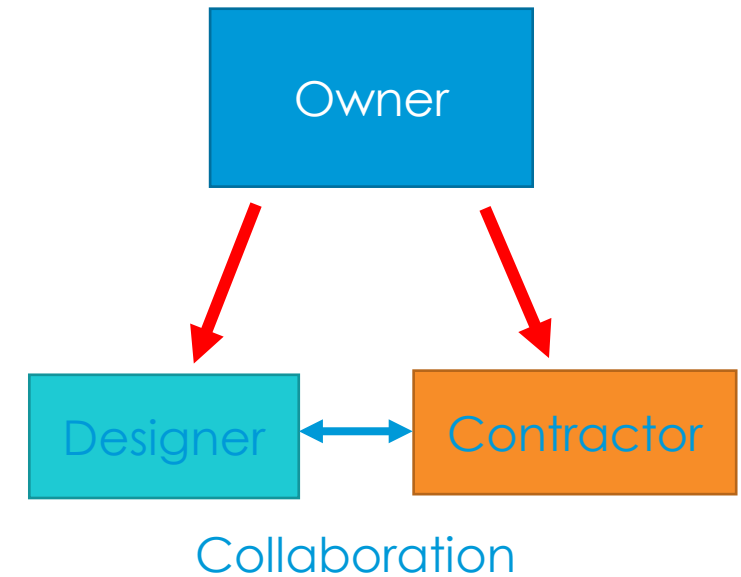
Design-Bid-Build



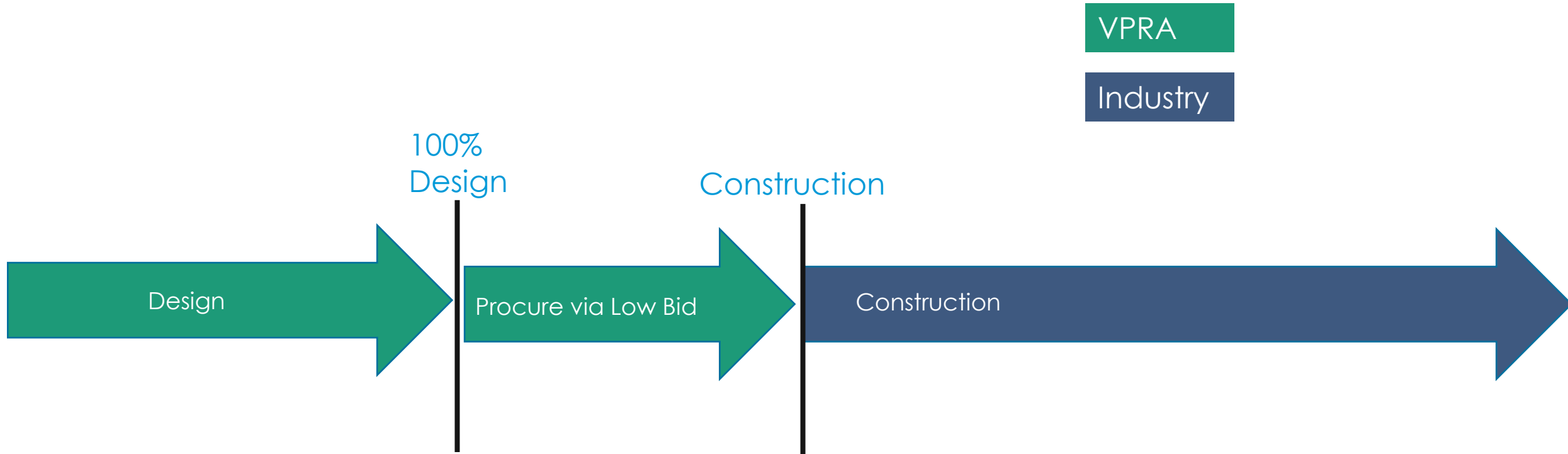
Design-Build /
Progressive Design-Build



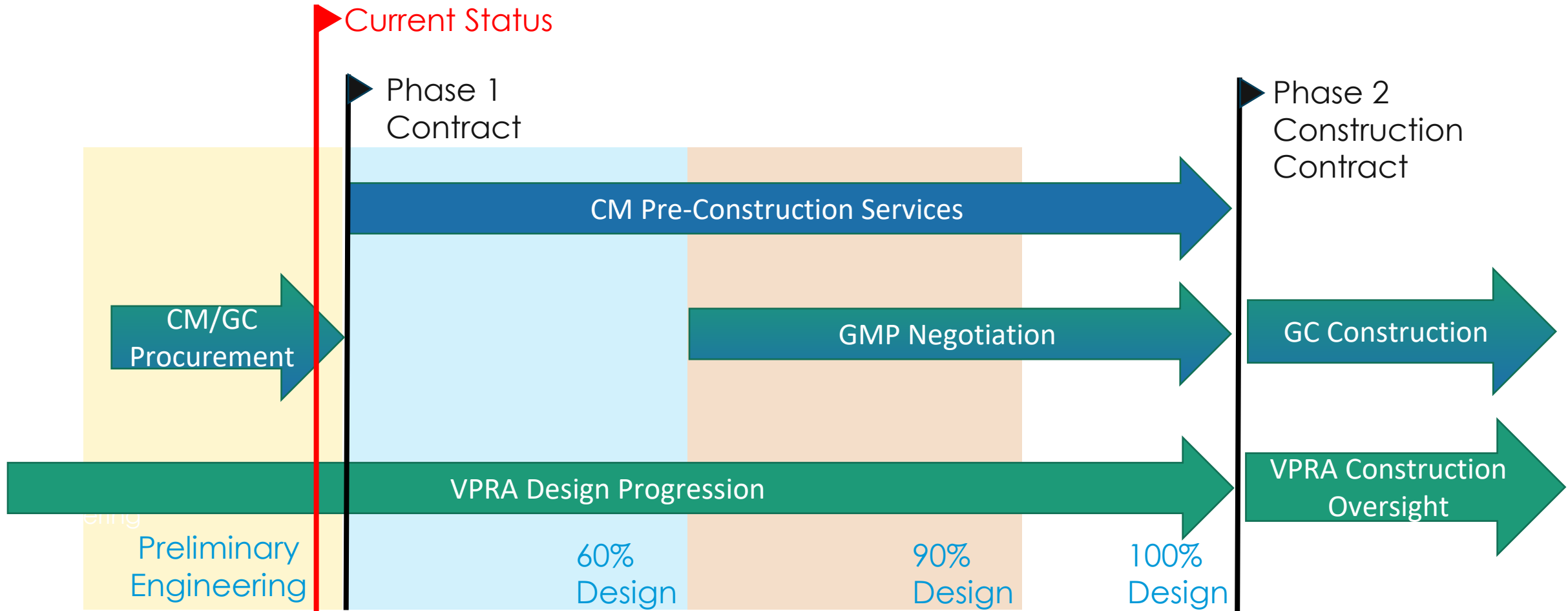
CM/GC or CMAR



Design-Bid-Build Project Phases



CM/GC Project Phases



CM/GC Delivery

Process

- Phase 1 Services – inform and supplement the design to 100%
 - Constructability reviews
 - Construction phasing
 - Risk ID/mitigation
 - Stakeholder coordination
 - Materials sourcing
- Negotiate Guaranteed Maximum Price (GMP) for Phase 2
 - If GMP acceptable → proceed to Phase 2 construction
 - If no GMP agreement → VPRA procures construction contract

Benefits

- Constructable, feasible design
- Procurement time savings
- Improved cost and schedule information ahead of construction start
- Reduces change orders, claims, delays, cost escalations
- Team building – VPRA, designer, CM, stakeholders
- Continuity of leadership

CM/GC Procurement Process

- Draft RFP released June 30th
- Industry Day held July 20th
- One-on-one meetings July 20-21
- RFP released August 4th
- Proposals
 - Proposer's experience
 - Key personnel
 - Team organization
 - Approach to Work
 - Approach to Quality
 - Approach to Price
 - Small business utilization
 - Phase 1 price proposal
- Proposer interviews



Next Steps

- Proposals due to VPRA September 11, 2023
- VPRA evaluation team interviews with proposers October 10, 2023
- Announcement of top ranked proposer October 20, 2023
- VPRA Board to consider contract award November 2023
- CM/GC Phase 1 NTP November 2023
- VPRA to Select Independent Cost Estimator by January 2024

Project Funding Partner: Northern Virginia Transportation Authority Resolutions

