



**Elizabeth River
Tunnels**



VDOT
Virginia Department of Transportation



erc



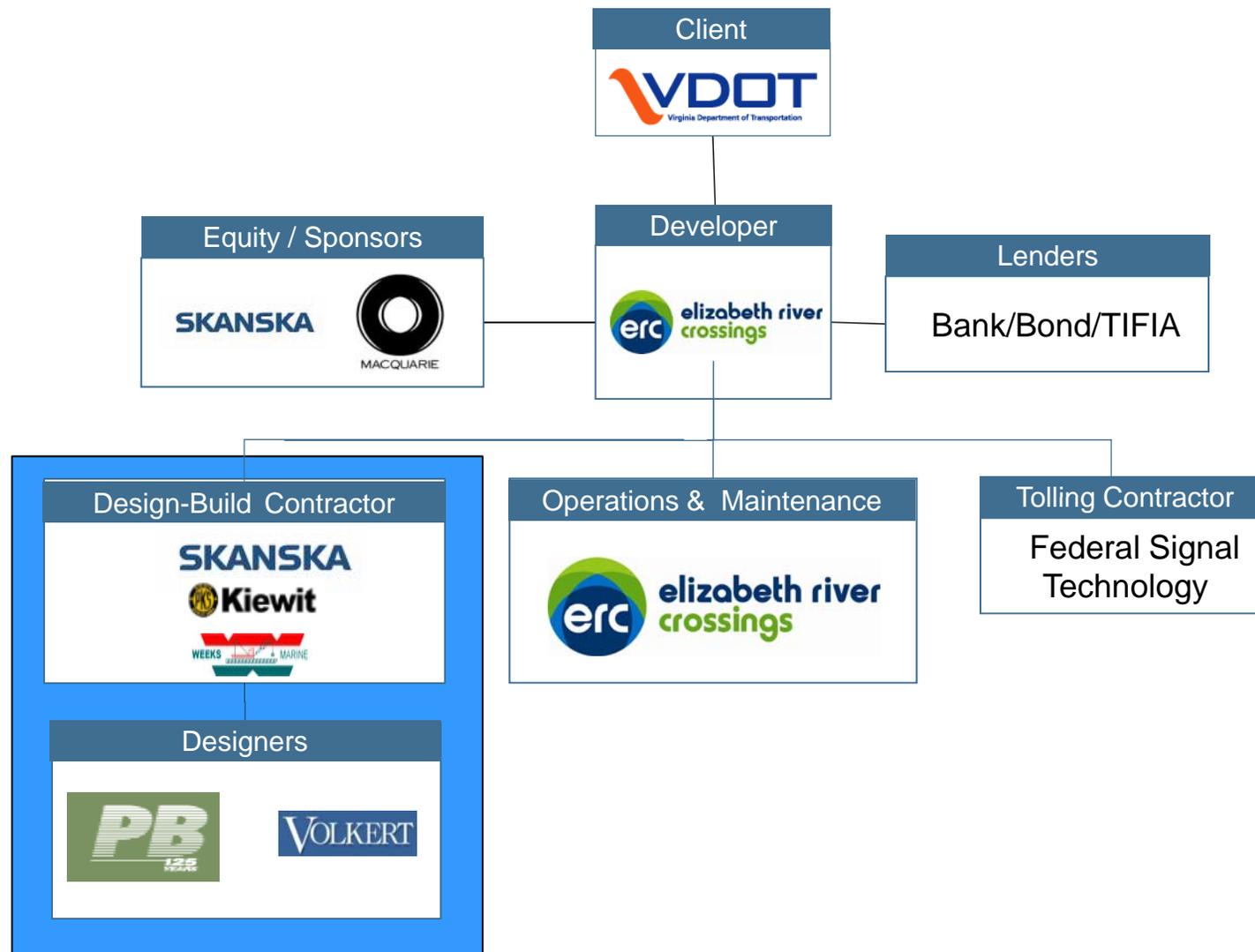
SKW
CONSTRUCTORS
A SKANSKA, KIEWIT, WEEKS JV

**elizabeth
river
crossings**

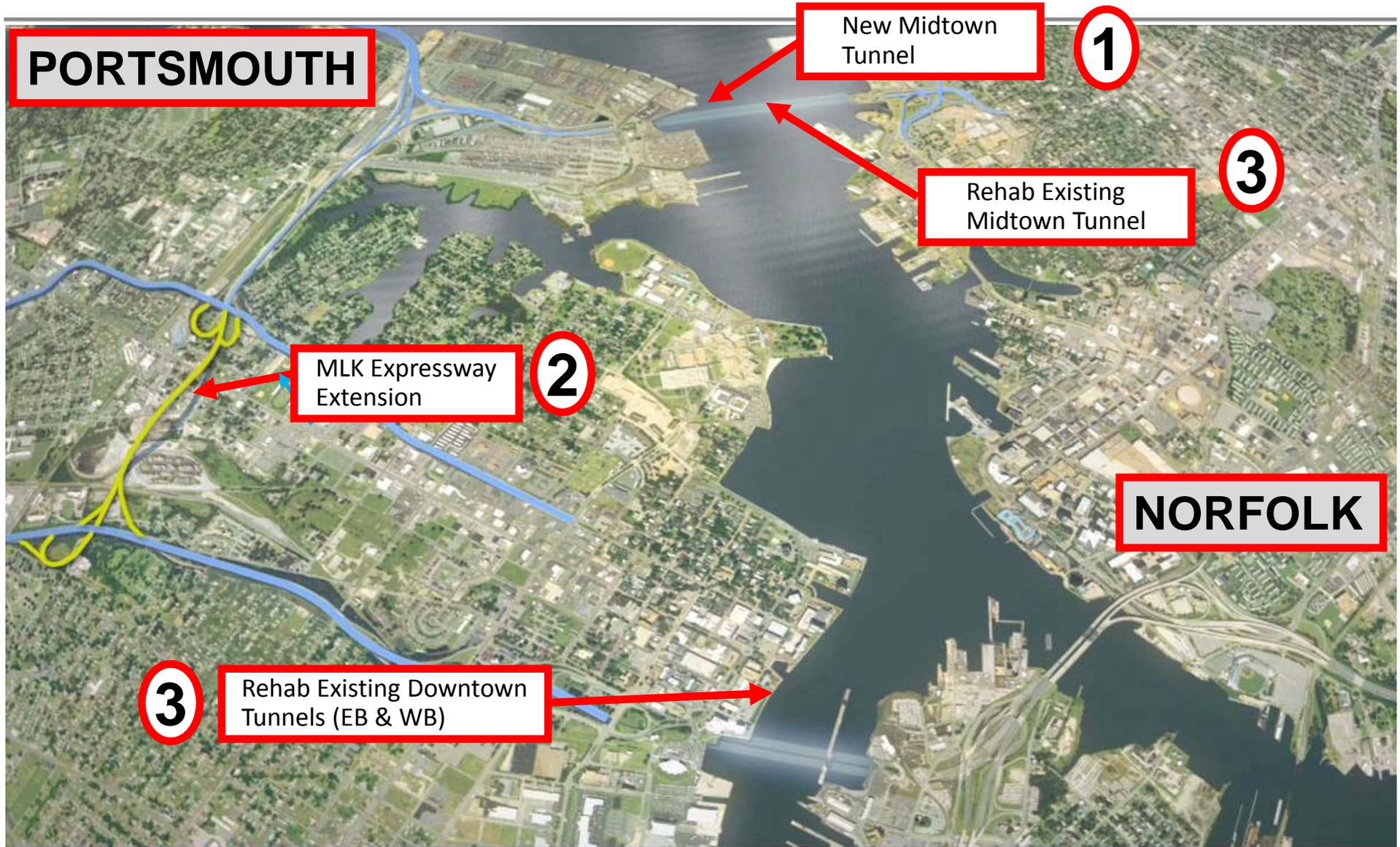
**Downtown Tunnels / Midtown Tunnel
Martin Luther King Freeway Extension Project**



Organization



Project Scope of Work



MLK Expressway - Portsmouth



Proposed MLK

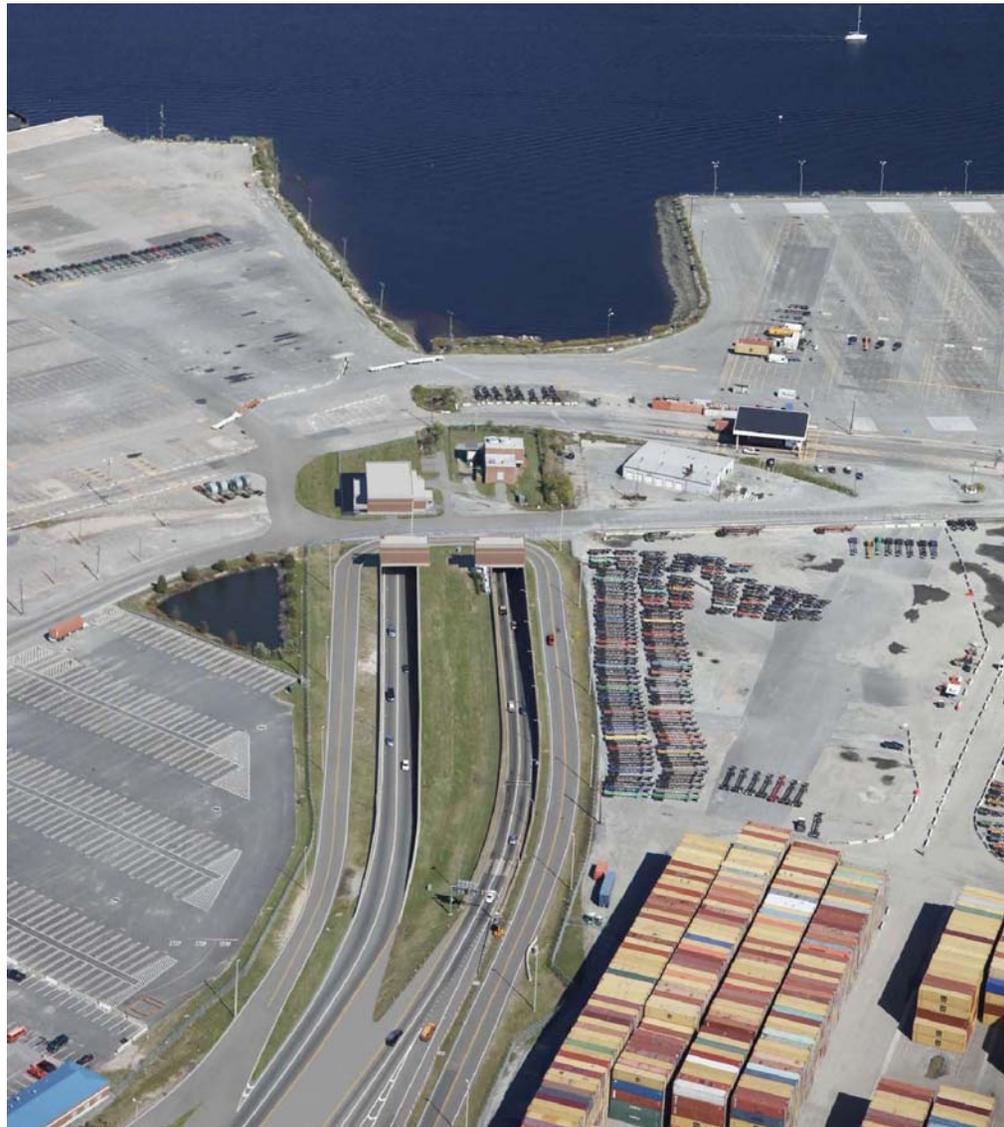
I-264

London Blvd.

Norfolk Approach



Portsmouth Approach

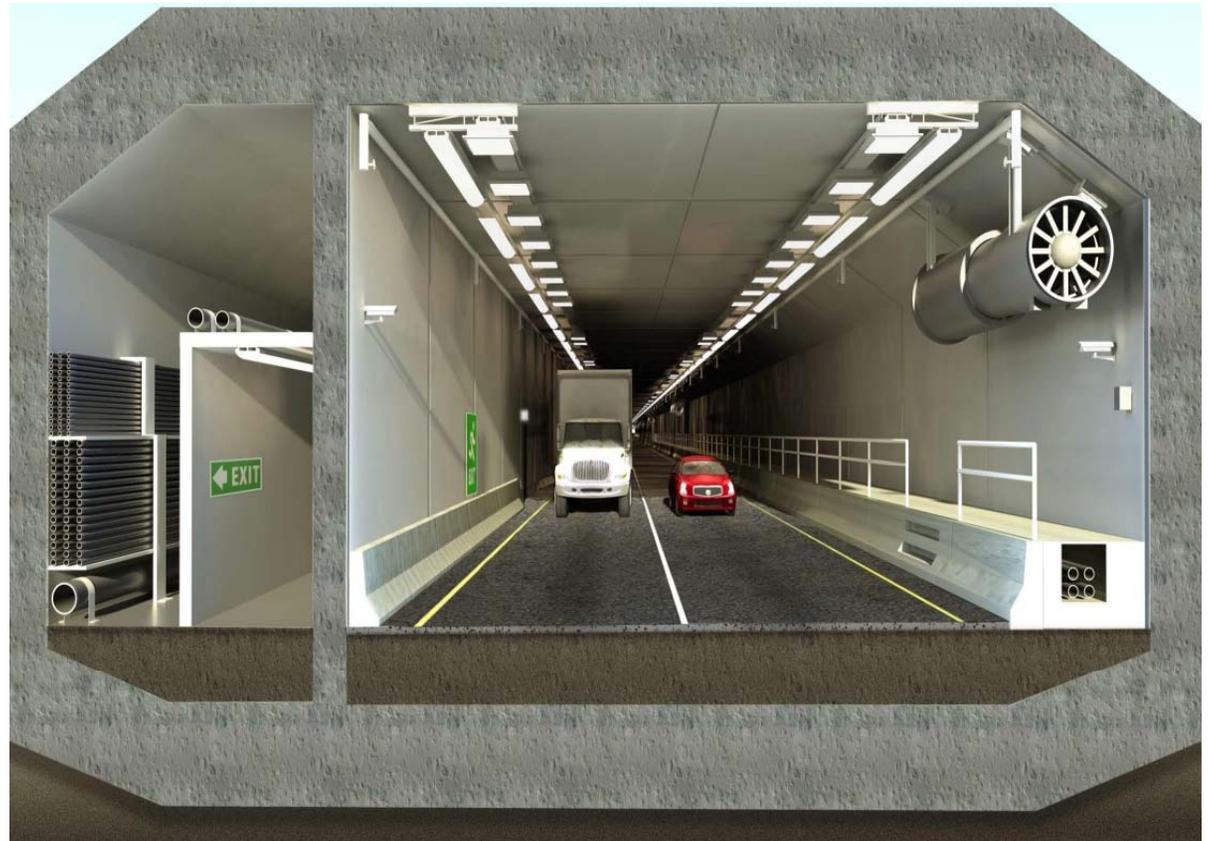


New Midtown Tunnel



- 1) 4,200 feet portal to portal plus two each 700 foot “boat” sections

- 2) Immersed Tube Tunnel
 - a) Two lane highway tunnel
 - b) 11 tubes each 340’ long by 54’ wide by 28’ high
 - c) weight of 16,000 tons per tube
 - d) Reinforced Concrete tube (second in USA)

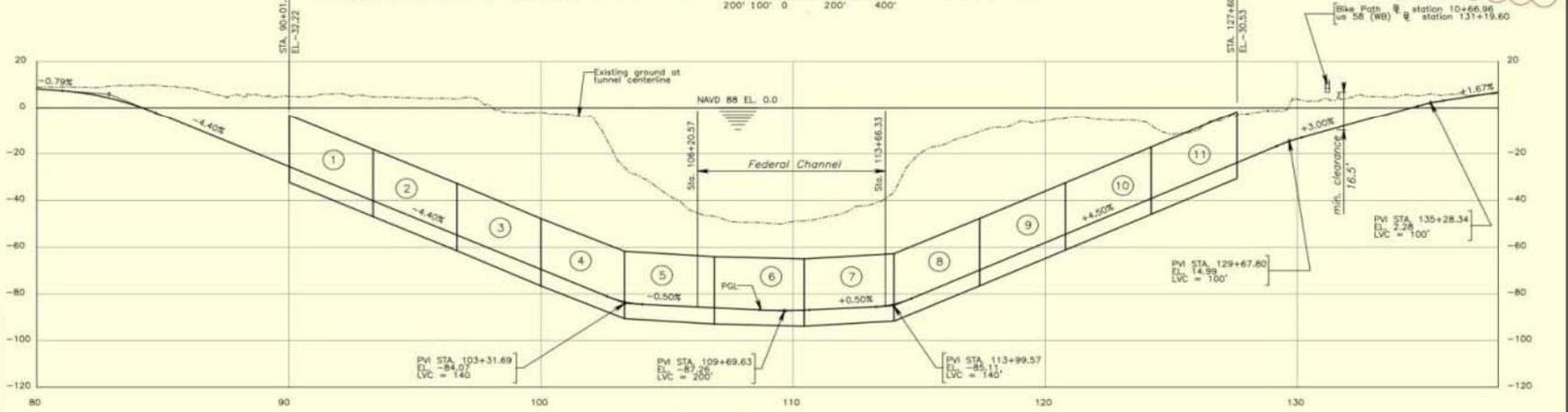
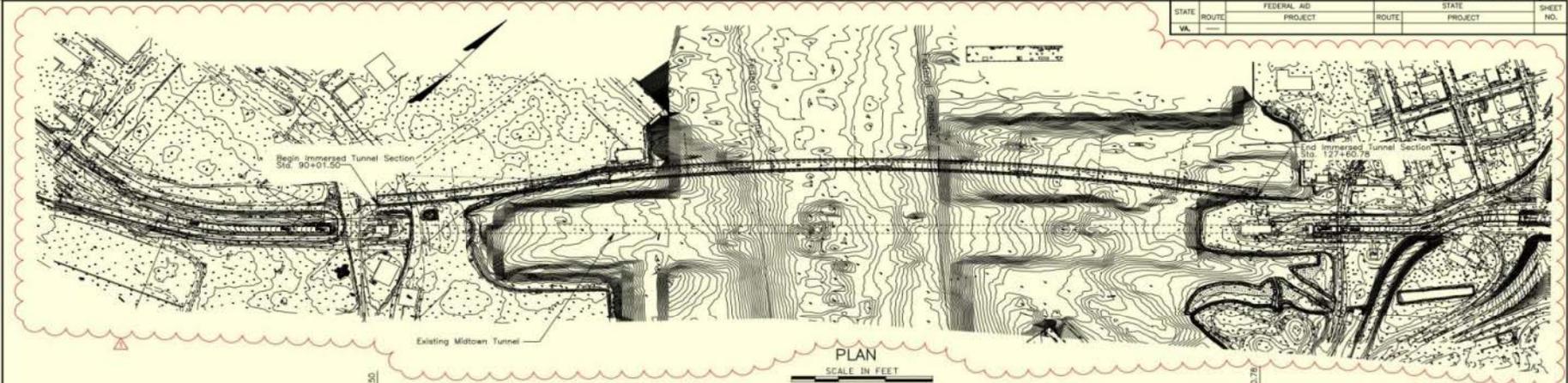


Midtown Tunnel Plan and Profile

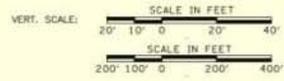


February 10, 2011 Rev. 1 Pricing Set

STATE	FEDERAL AID	STATE	SHEET
VA			NO.



PROFILE along profile Grade Line (PGL)



Company Name London, Virginia (TECHNICAL DISCIPLINE)
Company Name London, Virginia (TECHNICAL DISCIPLINE)

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION STRUCTURE AND BRIDGE DIVISION			
IMMERSED TUNNEL PLAN AND PROFILE			
Updated	Date	Designed	Date
No.	Description	Checked	Date
			02-10-11
			27(100)

12.13

04-FEB-2011

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INF-CTMD-SPR-001

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Project Status – Site Location



- Field Office Complete
- QA/QC, Design Management Staff Co-Located with SKW
- 90 Management Staff & 20 Field Staff on Site
- ROW and Utilities Underway
- Geotechnical Explorations Complete
- Test Pile Programs in Progress
- Environmental Testing of Site Complete



Project Status – Sparrows Point



- Field Office Mobilized and Occupied
- Trail Batching of Concrete Complete
- Mini Mock-Ups Have Begun
- Full-Scale Mock-Up to Begin Dec 2012
- Segment Casting Begins April 2013



Design Status



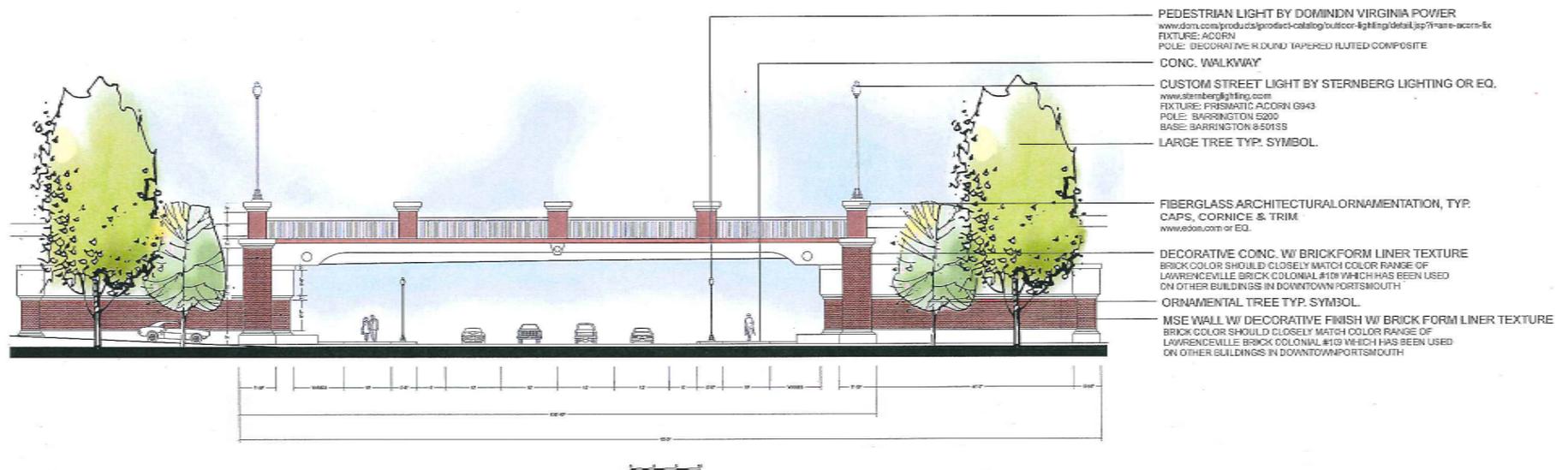
- Approximately 60 % Complete
- All Design Deliverables on Schedule
- Good Interaction and Collaboration Among Project Stakeholders
- Extensive Design Management by SKW
- 150 designers (FTE's) currently engaged



Public Outreach/Community Involvement



- Great relationship among the stakeholders built on good communication, respect and trust.
- Extensive coordination with the communities, agencies, maritime community and all stakeholders
- Project architecture coordinated with cities
- Aggressive DBE/SWaM goals (12% DBE & 23% SWaM)
- Extensive outreach efforts

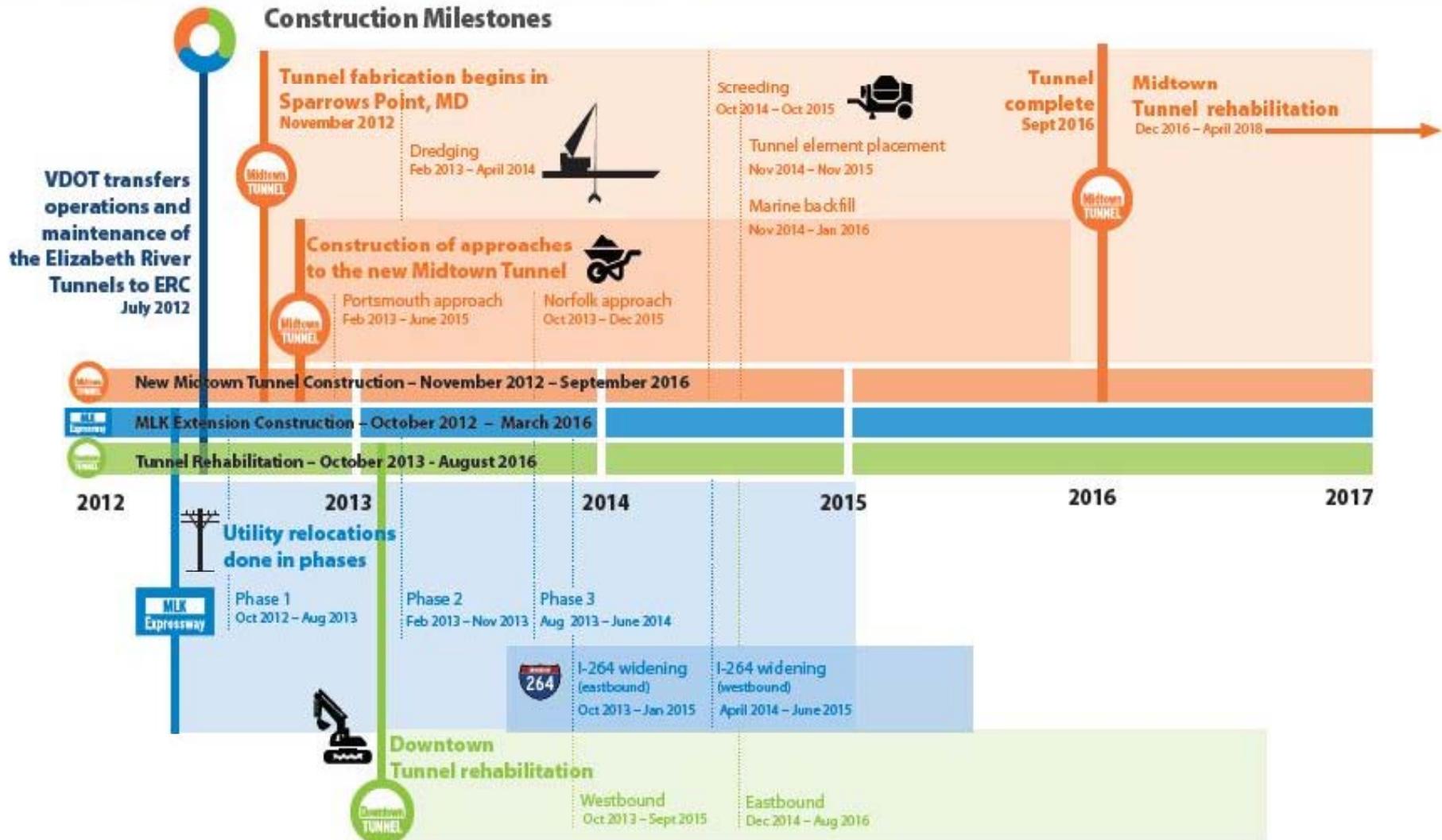


HIGH STREET BRIDGE FAÇADE TREATMENT— CONCEPT B

Construction Timeline



Delivering an Efficient, Connected Transportation Network | Operated by erc



QUESTIONS?