Hampton Roads Bridge-Tunnel Expansion Project

DBE/SWaM Opportunity Event
September 11, 2019
Presentation Outline

- **Introduction**
  - Our Team: Hampton Roads Connector Partners (HRCP)

- **HRBT Expansion Project Overview**
  - Scope
  - Benefits
  - Timeline and Milestones

- **Public Outreach**

- **Small Business Opportunity**

- **Q&A Session**
Our Team

A World-Class Team
The Hampton Roads Bridge-Tunnel

- First Hampton Roads Bridge-Tunnel (current westbound tunnel) opened in November 1957
- Eastbound tunnel opened in November 1976
- December 2016 - Commonwealth Transportation Board approved expansion of the Hampton Roads Bridge-Tunnel
HRBT Expansion Project
Project Funding

- Hampton Roads Transportation Fund to fund 95 percent of the project
- Monies raised through regional gas and sales taxes
- Other project funding includes $200 million from the Commonwealth’s SMART SCALE program
- $108 million from VDOT to fund replacement of the Norfolk Side Trestle Bridges in Norfolk
Comprehensive Agreement between Commonwealth of Virginia and Hampton Roads Connector Partners (HRCP) signed in April 2019

HRCP CJV Partners: Dragados, VINCI Construction, Flatiron Constructors, Dodin Campenon Bernard

Expansion is a design-build project

Designers: HDR and Mott MacDonald

Project Cost: $3.8 Billion
HRBT Expansion Project

Project Benefits

- Ease major congestion
- Enhance travel time reliability
- Support emergency evacuation
- Improve safety
- Increase capacity
- Update transportation management systems
HRBT Expansion Project
About the Tunnels

- This is the fourth bored roadway tunnel project in the U.S.
- Twin two-lane tunnels to be built west of existing eastbound tunnel (Navy side) to carry all eastbound traffic
- Existing eastbound tunnel and current westbound tunnel will accommodate all westbound traffic upon project completion
- Diameter of each new tunnel: approx. 45 feet (second largest tunnel opening for a Tunnel Boring Machine in North America)
HRBT Expansion Project
The North Island

Legend:
General Purpose Lane
HOT Lane
Part Time Shoulder HOT Lane

North Island Expansion Work (purple shaded area)
Illustration of twin bored-tunnels between North and South Islands

Tunnel Boring Machine will launch first from the South Island and bore toward North Island and then turnaround and bore toward the South Island
HRBT Expansion Project
The South Island

Legend:
General Purpose Lane
HOT Lane
Part Time Shoulder HOT Lane

South Island Expansion (purple shaded area) and New South Trestle
HRBT Expansion Project
Mitigating Traffic Impacts

During Construction Phase

- Two lanes of traffic to be maintained in both eastbound and westbound directions
- Pre-positioned wrecker service along the project 24 hours/day
- Active public outreach campaigns throughout duration of project
HRBT Expansion Project
The Project Timeline

Current Status

Anticipated JPA Approval Date
= NTP
540 days (18 months) after LNTP1 = October 2020

Contract Execution + LNTP1
04/15/19

LNTP2 + LNTP3
9 months after LNTP 1
= January 2020

Design and Investigation Works for Environmental Permitting

Permanent Works over 55 months

Launch & Receiving pit ready for TBM
TBM Assembly and Mining

Interior Works Tunnels
Commissioning and Testing North & South Marine Trestles
Land Works I-64 Widening

Contract Execution + LNTP1
09/01/25

Contractual - Final Completion Deadline
11/01/25

Substantial Completion
06/30/25

Contractual - Substantial Completion Deadline
09/01/25

LNTP1: Launching Pit Construction to start

LNTP2: Authorization for TBM

LNTP3: Launching Pit Construction to start

6 MONTHS OF SCOPE VALIDATION
PUBLIC OUTREACH

- VDOT has participated in more than 65 public outreach events about the HRBT Expansion Project since May 2017
- HRCP has begun coordinating activities with City officials (Public Works, Emergency Services)
- Will continue throughout life of project
- Tunnel Boring Machine naming contest to include local school-age children
DBE/ SWaM Opportunities

DBE/SWaM Opportunity Event
September 11, 2019
HRBT Expansion Project
Small Business Opportunities: Project Goals

- DBE (Disadvantaged Business Enterprise)  
  · **12% Project Goal**
- SWaM (Small, Women and Minority-Owned Business)  
  · **20% Project Goal**
HRBT Expansion Project
Small Business Opportunities: Approach

- HRCP-sponsored DBE/SWaM outreach events
- Participation in VDOT and other community partner outreach events
- Multi-tier DBE/SWaM opportunities
- DBE/SWaM-specific opportunities
- Break scope packages into appropriate smaller packages to provide more opportunities and maximize participation.
- HRCP Team adheres to all Federal, State and City regulations in order to provide a comprehensive DBE/SWaM compliance program on the project.
- Document all Good Faith Efforts taken to achieve the goal.
HRBT Expansion Project
Small Business Opportunities: Current Firms

- 36 DBE/SWaM Firms Already Participating

- Geotechnical Innovation PLLC (Gti)
- Fishburne Drilling, Inc.
- Air Water & Soil Laboratories, Inc.
- 10 10 LLC DBA MinuteMan Press
- iCivil, Inc.
- Straughan Environmental
- Business Interiors & Moving Services
- A-1 Environmental Services, Inc.
- TreKnot Organization LLC
- Uptime Solutions Professional Services Group, Inc.
- NET100, Ltd.
- Harris Miller Miller & Hanson Inc
- Coastal Resources, Inc.
- Mid-Atlantic Drilling, Inc.
- Precision Measurements, Inc.
Current DBE/SWaM Firms Continued…

- Daniel Consultants, Inc
- Ron & Sons Janitorial Service, LLC
- Grubb Printing & Stamp Co., Inc.
- Wendt Productions, Inc.
- Endesco, Inc.
- Floura Teeter Landscape Architects, Inc.
- Mattern & Craig, Inc.
- Best Employment Solutions, LLC
- EBA Engineering, Inc.
- Engineering & Testing Services
- Gall Zeidler Consultants
- MAP Environmental, Inc.
- GET Solutions, Inc.
- Klein Engineering P.S.C. P.C.
- Rinker Design Associates, P.C.
- T3 Design Corporation
- Bryant Ritter Electrical Corp.
- Chesapeake Environmental Communications
- A&A Consultants, Inc.
- Froehling & Robertson, Inc.
- REMSA, Inc.
HRBT Expansion Project
Small Business Opportunities: Original

From October 2018

- Engineering & Design Specialty
- Geotechnical Instrumentation, Monitoring and Investigations
- Material Testing
- QC/QA
- Diving Services
- Surveying
- Interior Building Specialties
- Waterproofing
- SIP Deck Forms
- Mechanical, Electrical, Plumbing, ITS, SCADA, Signage and Lighting
- Reinforcing Steel
- Site-work & Paving
- Demolition & Sawcutting
- Traffic Control & Devices
- Guardrails and Fencing
- Trucking
- Seeding/Sodding/Landscaping
- Marine Construction
- Signage
- Utilities
- Concrete Flatwork & Structural
HRBT Expansion Project
Small Business Opportunities: Now

NOW *(New)*

- Engineering & Design Specialty
  - Roadway
  - Marine
  - Bridge
  - AutoCAD / Microstation
- Commercial Printing
- Furniture
- Geotechnical Instrumentation, Monitoring and Investigations
- IT
  - Supplies
  - Installation
- Material Testing
- Promotional Items
- Safety Supplies
- QC/QA
- Drainage Cleaning / Video
- Diving Services
- Drone Services
  - Surveying
  - Interior Building Specialties
  - Janitorial
  - Waterproofing
- Landscaping
- SIP Deck Forms
  - Mechanical, Electrical, Plumbing, ITS, SCADA, Signage and Lighting
- Rebar
  - Reinforcing Steel
- Remediation Services
- Site-work & Paving
- Demolition & Sawcutting
  - Design
  - Construction
- Traffic Control & Devices
- Lead and Asbestos Inspections
  - Guardrails and Fencing
- Traffic Engineering
  - Trucking
- Fuel Supply
  - Seeding/Sodding/Landscaping
- Moving Services
  - Marine Construction
- MOT
  - Signage
- Sweeper Truck
  - Utilities
- Waste Management
  - Concrete Flatwork & Structural
- Video Production
- Web Development
HRBT Expansion Project
Small Business Opportunities: Construction

- Project Opportunities

- Ground Improvements
- Rebar Supply & Assembly
- Roadway Construction
- Marine Works
- Asphalt Paving
- Sound Walls
- MOT Devices
- Mechanical
- Electrical
- Plumbing
- Fire Protection
- ITS & Scada
- Building Construction
- Bridge Repairs
- Utility Relocation
HRBT Expansion Project
Small Business Opportunities: Construction

- **Project Opportunities: Materials**
  - Ready Mix Concrete
  - Aggregate
  - Rebar Supply
  - Precast Girders
  - Precast Concrete Piles
  - Quarry Materials
  - Sound Walls
  - MOT Devices
  - Bridge Consumables
  - RCP Pipes & Manholes
  - Cement
  - Fuel
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<tr>
<th>Item</th>
<th>Quantity</th>
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<td><strong>ISLAND EXPANSIONS</strong></td>
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<td>Sand &amp; Bund Fill</td>
<td>206,203</td>
<td>Cubic Yards</td>
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<td>Armor Stones &amp; Underlayers</td>
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<td><strong>BRIDGES</strong></td>
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<td><strong>TUNNEL</strong></td>
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<td>Cutter Soil Mixing</td>
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<td>Roadway</td>
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## HRBT Expansion Project
### Small Business Opportunities: Materials 3

### MATERIALS

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<td>Tons</td>
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HRBT Expansion Project
Small Business Opportunities: Smart Bid

The #1 Construction Bid Software for General Contractors

Make preconstruction easy for your team and your subcontractors.

REQUEST A FREE DEMO
Current Progress
- Scope Validation (Geotechnical, Survey, Traffic Counts, etc.)
- Environmental Permitting (Joint Permit Application, Nationwide Permit 6, etc.)

Potential Upcoming Opportunities
- Bridge
- Roadway/Civil
- Environmental
- Tunnel Approach Structure/Bored Tunnel
- Electrical/SCADA/ITS
- Facility Structural
- Fire-Life Safety
- Island Septic Systems
- General CAD and Administrative Support
HRBT Expansion Project
Small Business Opportunities: Design

- Discussion Points to Consider:
  - Firm Capacity
  - Identified Staff
  - Experience
    - Relevant?
    - Local?
    - VDOT?
    - Design-Build?
  - Ability to Co- Locate
  - Commercial Terms
  - Your Ideas
HRBT Expansion Project
Small Business Opportunities: Exhibitors
HRBT Expansion Project
Contact Information

PROJECT WEBSITE:  www.hrbtexpansion.org

HCFC DBE/SWaM Contact

Malcolm Kates
HRCP DBE/SWaM Compliance Manager
phone:  (757) 439-7166
e-mail:  mkates@hrcpjv.com

HCFC Purchasing Contact

John Gray
HRCP Purchasing Manager
phone:  (757) 328-6866
e-mail:  jgray@hrcpjv.com