Phase 2 – Package B
WMATA Rail Yard and Maintenance Facility

February 2015
Agenda

- **Project Team Background**
  - Hensel Phelps
  - Design-Build Subcontractors

- **General Project Overview**
  - Location
  - Safety
  - Design-Build Status

- **Schedule**
  - Overview
  - 12-Month Look Ahead

- **DBE**
  - Goals
  - Outreach
Project Team Background: Hensel Phelps
# Project History with MWAA

<table>
<thead>
<tr>
<th>Project</th>
<th>Contract</th>
</tr>
</thead>
</table>
| Pedestrian Walk-Back Tunnel at Dulles International Airport  
*2003 Outstanding Safety Record for Large Contractors  | $27.4*    |
| Midfield Concourse at Dulles International Airport  
*Committee For Dulles Project of the Year  
*Washington Building Council Craftsmanship Award  | $77.4*    |
| Regional Airline Midfield Concourse at Dulles International Airport  | $18.8*    |
| Ramp Control Tower at Dulles International Airport  | $4.6*     |
| **TOTAL**                                              | **$128.2*** |

*million
Team Background: Hensel Phelps – Udvar Hazy Center
## Project History with WMATA

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<thead>
<tr>
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<tr>
<td>WMATA Replacement of Southeastern Bus Facility, Washington, D.C.</td>
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<td>*2012: AGC Contractor Award, Heavy Industry Safety – No Lost Time Accidents</td>
<td></td>
</tr>
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<td>WMATA Rail Yard Improvements at Shady Grove and Greenbelt Stations</td>
<td>$101.1*</td>
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<tr>
<td>WMATA New Parking Garages, Rail Yard Additions &amp; Renovations, New Carrollton, MD</td>
<td>$93.8*</td>
</tr>
<tr>
<td>*2006: Mid-Atlantic Construction Magazine Award of Merit - Transportation</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><em><em>$251.5</em> million</em>*</td>
</tr>
</tbody>
</table>
Shady Grove Shop and Yard
Project Team Background: Design Build Team
Hensel Phelps Design Team

- Design Management & Rail Engineer
- Project Architect
- Civil Engineer
- Geotechnical Engineer
- Structural Engineer
- Electrical Engineer
## Project History with WMATA

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<td></td>
</tr>
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</tr>
<tr>
<td>*million</td>
<td></td>
</tr>
</tbody>
</table>
Design–Build Subcontractors

Electrical, Telecomm, and Systems

Mechanical and Plumbing
General Project Overview

**HENSEL PHELPS**

DULLES CORRIDOR METRORAIL PROJECT

Phase 2 – Package B
WMATA Rail Yard and Maintenance Facility

Awarded Contract Value - $252,989,000

Notice to Proceed – August 18, 2014

Project Final Completion – October 16, 2018
Project Location & Overview

Project Location

Dulles Access Road

Dulles International
Safety

HENSEL PHELPS

SAFE
SAFETY ACCOUNTABILITY FOR EVERYONE
Hensel Phelps Safety Record

1. Current Hensel Phelps Experience Modification Rate (EMR) : 0.52
   – Industry Average: 1.00

2. Hensel Phelps Mid-Atlantic Days Away Restricted or Transferred (DART) Rate: 1.20
   – Industry Average: 1.90

3. Hours Worked To Date: ~34,720 man hours – Inclusive of Design, Management and Tradesmen on Site – No Incidents
Current Design Status

Notice to Proceed August 18, 2014 - 6 months into Contract

- Integrated Permit Package #0
- Integrated Permit Package #1
- Integrated Permit Package #2
- Integrated Permit Package #3
- 30% Complete Project Design Package
- 60% Complete Project Design Package
- 90% Complete Project Design Package
- 100% Complete Project Design Package
Schedule Overview
Notice to Proceed
August 18, 2014

Design-Build Performance Period
1,460 Days

Substantial Completion
August 17, 2018

Final Completion
October 16, 2018
Schedule – Overview by Discipline

- Engineering & Design: 16 Months
- Procurement: 26 Months
- Construction: 29 Months
- Commissioning: 33 Months
- Systems Safety & Operational Readiness Testing: 8 Months
Package A Interface Milestones

November 2016
- Terminate 34.5KV to Line Side Disconnect Switch Virginia Power

February 2017
- Install Fiber Optic Cable Maintenance Of Way Building Tie-In to Route 606 Station

March 2017
- Yard Lead Track Tie-In

November 2017
- Terminate and Test Signal Cable Train Control Room for Elevated Guideway
Schedule Status

- Notice to Proceed – August 18, 2014
- Percent Complete with Design
  - Through February 1, 2015 – 39%
- Percent Complete with Construction
  - Through February 1, 2015 – 0%
- Contract Billings to Date
  - Through February 15, 2015 - $13,983,514
  - Percentage Billed on Contract - 5.5%
<table>
<thead>
<tr>
<th>1st Quarter</th>
<th>2nd Quarter</th>
<th>3rd Quarter</th>
<th>4th Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>30% Design Acceptance</td>
<td>IPP #0 Permit Issued</td>
<td>IPP #1 Permit Issued</td>
<td>Building Pads</td>
</tr>
<tr>
<td>Site Geotechnical Report and</td>
<td>Mobilize Construction Team</td>
<td>IPP #2 Permit Issued</td>
<td>Install Building</td>
</tr>
<tr>
<td>Survey Completed</td>
<td>Install Storm Water Pollution Prevention</td>
<td>IPP #3 Permit Issued</td>
<td>Foundations</td>
</tr>
<tr>
<td></td>
<td>Measures</td>
<td>Mass Grading</td>
<td>Install Underground</td>
</tr>
<tr>
<td></td>
<td>Begin Site</td>
<td>Install Deep Site Utilities</td>
<td>Plumbing</td>
</tr>
<tr>
<td></td>
<td>Grading/Clearing</td>
<td>Install Ductbank</td>
<td>Install Underground</td>
</tr>
<tr>
<td></td>
<td>Rough Grade Site</td>
<td>Order Long Lead Materials</td>
<td>Electrical</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Site Stabilization</td>
</tr>
</tbody>
</table>
## Staff Diversity

<table>
<thead>
<tr>
<th>Current</th>
<th>African American</th>
<th>Caucasian</th>
<th>Hispanic</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count</td>
<td>8</td>
<td>98</td>
<td>9</td>
<td>20</td>
</tr>
<tr>
<td>Percent</td>
<td>6%</td>
<td>72%</td>
<td>7%</td>
<td>15%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>African American</th>
<th>Caucasian</th>
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<th>Other</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Current Labor By State

<table>
<thead>
<tr>
<th></th>
<th>VA</th>
<th>MD</th>
<th>DC</th>
<th>PA</th>
<th>WV</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count</td>
<td>74</td>
<td>24</td>
<td>1</td>
<td>6</td>
<td>0</td>
<td>30</td>
</tr>
<tr>
<td>%</td>
<td>55%</td>
<td>18%</td>
<td>1%</td>
<td>4%</td>
<td>0%</td>
<td>22%</td>
</tr>
</tbody>
</table>

- **VA:** 74 employees (55%)
- **MD:** 24 employees (18%)
- **DC:** 1 employee (1%)
- **PA:** 6 employees (4%)
- **WV:** 0 employees (0%)
- **Other:** 30 employees (22%)
DBE Small Business Procurement

Contracts Awarded
- Subcontracts Awarded: $183,800,000
- DBE Small Business (Contracted): $5,600,000
- DBE Small Business (Committed): $17,100,000
- Percent of Contracts Awarded: 12.3%

Future Contracts to be Awarded
- Subcontracts Awarded: $69,189,000
- DBE Small Business (In Negotiations): $7,200,000
- Projected Future DBE Small Business: $8,300,000

Hensel Phelps Anticipated DBE Participation: 15.1%

Hensel Phelps Contract Goal: 14.0%
Hensel Phelps Self Perform Work

Contracts Awarded
Subcontractor Scope of Work
Hensel Phelps

$ 187,489,000
$ 65,500,000

Hensel Phelps Anticipated Self Perform Work
25.9 %

Required Minimum Self Performance
25.0 %
# Outreach Events Attended

<table>
<thead>
<tr>
<th>Activity</th>
<th>Date</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian-American Chamber of Commerce 5th Annual Business Summit</td>
<td>October 17, 2014</td>
<td>Fairfax County Government Center</td>
</tr>
<tr>
<td>Department of Small and Local Business Development Panel/Seminar</td>
<td>October 25, 2014</td>
<td>Shaw Neighborhood, Washington D.C.</td>
</tr>
</tbody>
</table>
**Planned Outreach Events**

<table>
<thead>
<tr>
<th>Bid Package</th>
<th>Scheduled Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bid Package #1 Outreach - Testing, Surveying, Earthwork, Asphalt, Utilities</td>
<td>February 25, 2015</td>
</tr>
<tr>
<td>Bid Package #2 Concrete &amp; Equipment</td>
<td>April 29, 2015</td>
</tr>
<tr>
<td>Bid Package #3 Doors &amp; Hardware, Rough Carpentry, Coiling Doors</td>
<td>June 24, 2015</td>
</tr>
<tr>
<td>Bid Package #4 Building Finishes and Specialties</td>
<td>August 26, 2015</td>
</tr>
</tbody>
</table>

All Outreach events will take place at the Crowne Plaza Herndon, VA 1:00 PM
Project Opportunity Resources
Hensel Phelps Website

http://henselphelps.com/dulles_corridor_metrorail_project
Hensel Phelps is constructing the new Rail Yard and Maintenance Facility for Phase 2 of the Dulles Corridor Metro Rail project that operates from Wiehle Avenue to Ashburn in eastern Loudoun County.

The purpose of Dulles Metrorail is to provide high-quality, high-capacity transit service in the Dulles Corridor. New Metrorail service in the corridor will result in travel time savings between the corridor and downtown D.C., expand the reach of the existing regional rail system, offer a viable alternative to automobile travel and support future transit-oriented development along the corridor.

Hensel Phelps Project Website
http://henselphelps.com/dulles_corridor_metrorail_project

DETAILED PROJECT INFORMATION

This website is provided by Hensel Phelps for distribution of information to the general public. By clicking the links below, visitors to this website can find the following information in a downloadable format:

- General Project Information
- Current Project Status
- Public Photo Gallery of the Project
- Public Outreach Activities
- Contracting Opportunities
- Project Employment Opportunities
- Available DBE Programs
- Public Inquiries

Please bookmark this page and check back frequently for updates and notices.

Subcontractor Resources

- GENERAL PROJECT INFORMATION
- CURRENT PROJECT STATUS
- PUBLIC PHOTO GALLERY OF THE PROJECT
- PUBLIC OUTREACH ACTIVITIES
- CONTRACTING OPPORTUNITIES
- PROJECT EMPLOYMENT OPPORTUNITIES
- AVAILABLE DBE PROGRAMS
- PUBLIC INQUIRIES
Photos From Greenbelt Shop Tour

Members of the Hensel Phelps Design team tour the Greenbelt Service and Inspection Building
Members of the Hensel Phelps Design team tour the Greenbelt Yard Control Tower with members of MWAA and WMATA.
Photos from Greenbelt Shop Tour

Members of the Hensel Phelps Design team tour the Greenbelt Service and Inspection Building