



# Dulles Corridor Metrorail Project – Phase 2 Quarterly Update

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*Capital Rail Constructors*

**October 2014**



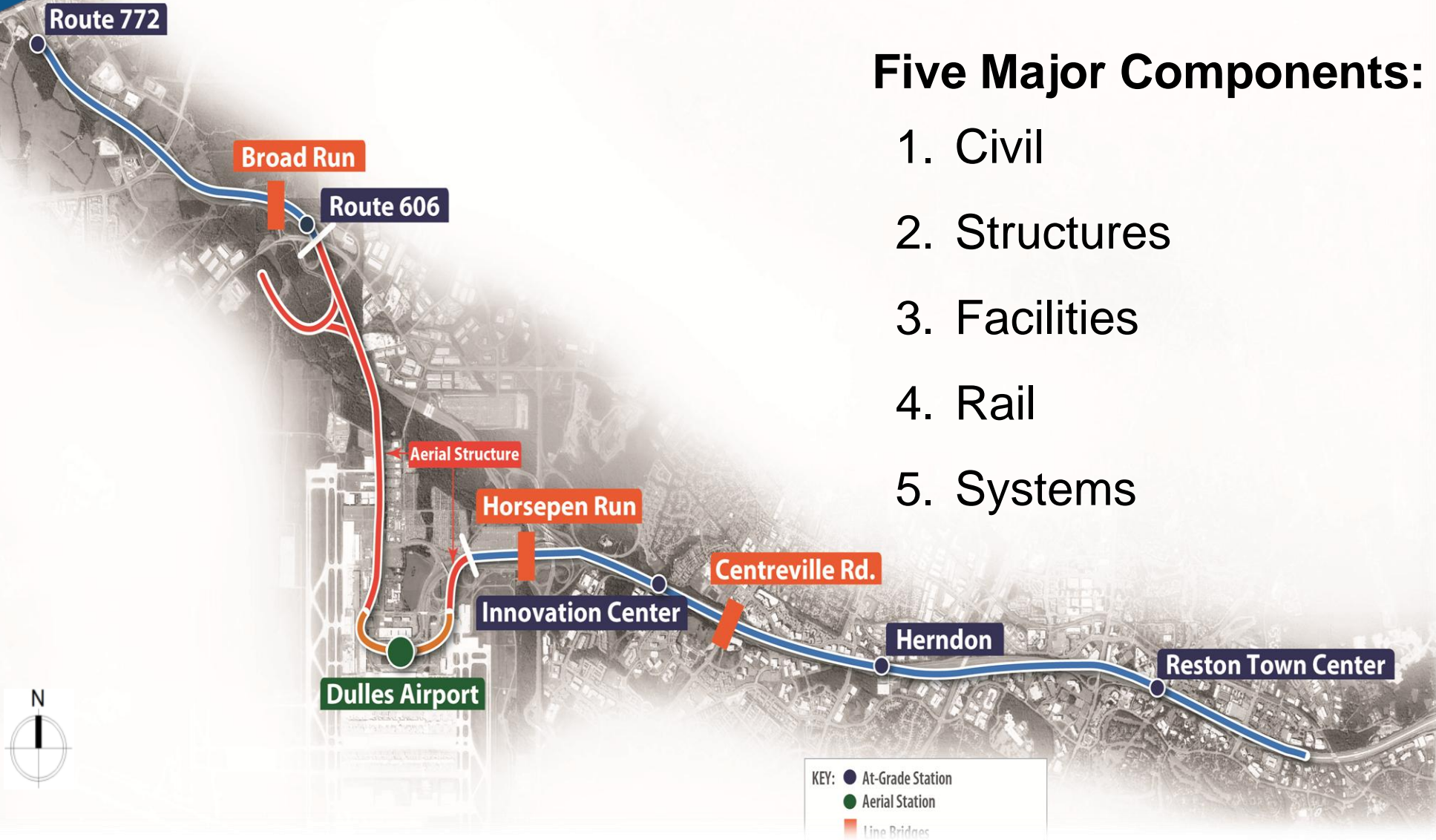
**Capital Rail Constructors**  
A Clark and Kiewit Joint Venture



# Scope of Work– Overview

## Five Major Components:

1. Civil
2. Structures
3. Facilities
4. Rail
5. Systems





# Safety

## Since Notice to Proceed (July 2013)

- Man-Hours: 650,000+
- No Environmental Enforcement Actions
- Lost Time Rate: 0.00 compared to industry rate of 1.4
- Recordable Incident Rate: 0.00 compared to industry rate of 3.7

## Current Program Focus:

- Work adjacent to traffic & in MOT
- New employees
- Sub-Contractors (Lower Tiers)
- Safe Crane Operations
- Utility Strike Prevention



# Design-Build Status

## Design Status:

▪ Geotechnical Work	92% Complete
▪ Initial Survey Work	98% Complete
▪ Track Design	74% Complete
▪ Systems Design	47% Complete
▪ Civil Design	74% Complete
▪ Utilities Design	83% Complete
▪ Facilities Design (Stations)	41% Complete
▪ Wayside Design	63% Complete
▪ Structures Design (Aerial Guideway/3 Bridges)	83% Complete
▪ Design Packages Issued	137
▪ Issued for Permit (IFP) Packages Issued	18
▪ Permits Received	9
▪ Issued for Construction (IFC) Packages Issued	9

**73% Complete**



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# Design-Build Status



**Construction Status:**  
**Overall Project Status:**

**1% Complete**  
**12% Complete**

# 12 Month Look Ahead

## Dulles Segment:

- **Aerial Structure**
  - Continue Aerial Structure Drilled Shafts
  - Continue Aerial Structure Column and Caps
  - Start Aerial Structure Girder Erection
  - Start Aerial Deck
- **Dulles Airport Station**
  - Start Excavation
  - Start Foundations
  - Start Precast
  - Start Structural Steel
- **Civil Work,**
  - Saarinen Circle widening and lane shift
- **Utility Relocation**
- **GSE Demolition**

# 12 Month Look Ahead

## East Segment:

- **Civil**
  - Start Enabling Work (MOT and E&S)
- **Stations**
  - Start Innovation Station
  - Start Herndon-Monroe Station
- **Bridges**
  - Start Horsepen Run Bridge
  - Start Centreville Road Bridge

## West Segment:

- **Bridges**
  - Start Broad Run Bridge



## Manpower Hours (June – August)

	Jun 2014	Jul 2014	Aug 2014
<b>Professional Staff</b>	<b>48,199</b>	<b>45,700</b>	<b>59,263</b>
<b>Craft Labor – CRC &amp; Subcontractors</b>	<b>4,015</b>	<b>5,093</b>	<b>6,588</b>





## Labor by Race/Ethnicity June – August 2014

	African American		Caucasian		Hispanic		Other	
	EMP	%	EMP	%	EMP	%	EMP	%
June	9	14%	24	37%	31	48%	1	2%
July	14	26%	20	38%	19	36%	0	0%
Aug	7	9%	40	52%	30	39%	0	0%
<b>Qtr Avg.</b>	<b>10</b>	<b>16%</b>	<b>28</b>	<b>42%</b>	<b>27</b>	<b>41%</b>	<b>0</b>	<b>1%</b>
	African American		Caucasian		Hispanic		Other	



## Labor by State June – August 2014

	VA		MD		DC		PA		WV		OTHER	
	EMP	%	EMP	%	EMP	%	EMP	%	EMP	%	EMP	%
Jun	33	51%	16	25%	3	5%	7	11%	5	8%	1	2%
Jul	30	57%	10	19%	2	4%	5	9%	4	8%	2	4%
Aug	35	44%	20	25%	3	4%	5	6%	8	10%	8	10%
<b>QTR AVG</b>	<b>33</b>	<b>51%</b>	<b>15</b>	<b>23%</b>	<b>3</b>	<b>4%</b>	<b>6</b>	<b>9%</b>	<b>6</b>	<b>9%</b>	<b>4</b>	<b>5%</b>
	VA		MD		DC		WV		PA		GA	



# Local Employment Outreach Activities

## Centralized Employment Assistance

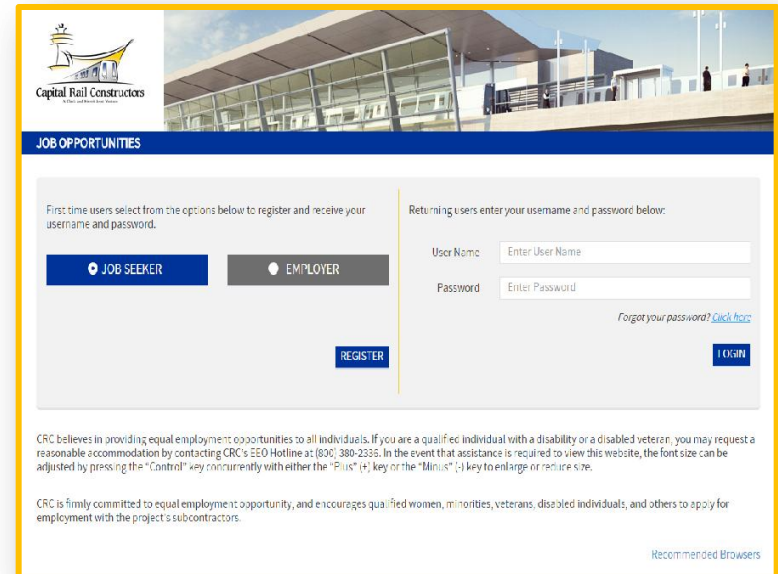
- Employment Opportunity Website activated in September.
- Subcontractors advised to utilize this tool as part of their good faith efforts to meet Office of Federal Contract Compliance Programs (OFCCP) requirements.

## Training – For Employees and for Companies

- 16 Step Training for subcontractors started in June with OFCCP participation.
- Subcontractors asked to identify DOL-approved apprenticeship program or equivalency.

## Established Steering Committee

- Steering Committee Meeting, August 4, 2014 attendees:
  - Helmet to Hard Hats, DC
  - Building Futures, DC
  - Case de MD, Prince George's, Maryland
  - Northern Virginia College – Workforce, Virginia
- Next Steering Committee Meeting scheduled for November 2014.





## Local Employment Outreach Events Scheduled to Date - 2014

- ✓ May Herndon Festival, Herndon, VA
- ✓ Aug Eleanor Norton Holmes Job Fair, Washington DC
- ✓ Sep Dulles Day Festival and Plane Pull, Dulles Airport
- Oct Minority Event, Prince George's County
- Nov Veteran and Military Employee Celebration Honoring Fisher House
- Dec Clothing Drive for Women's Shelter



Eleanor Norton Holmes Job Fair

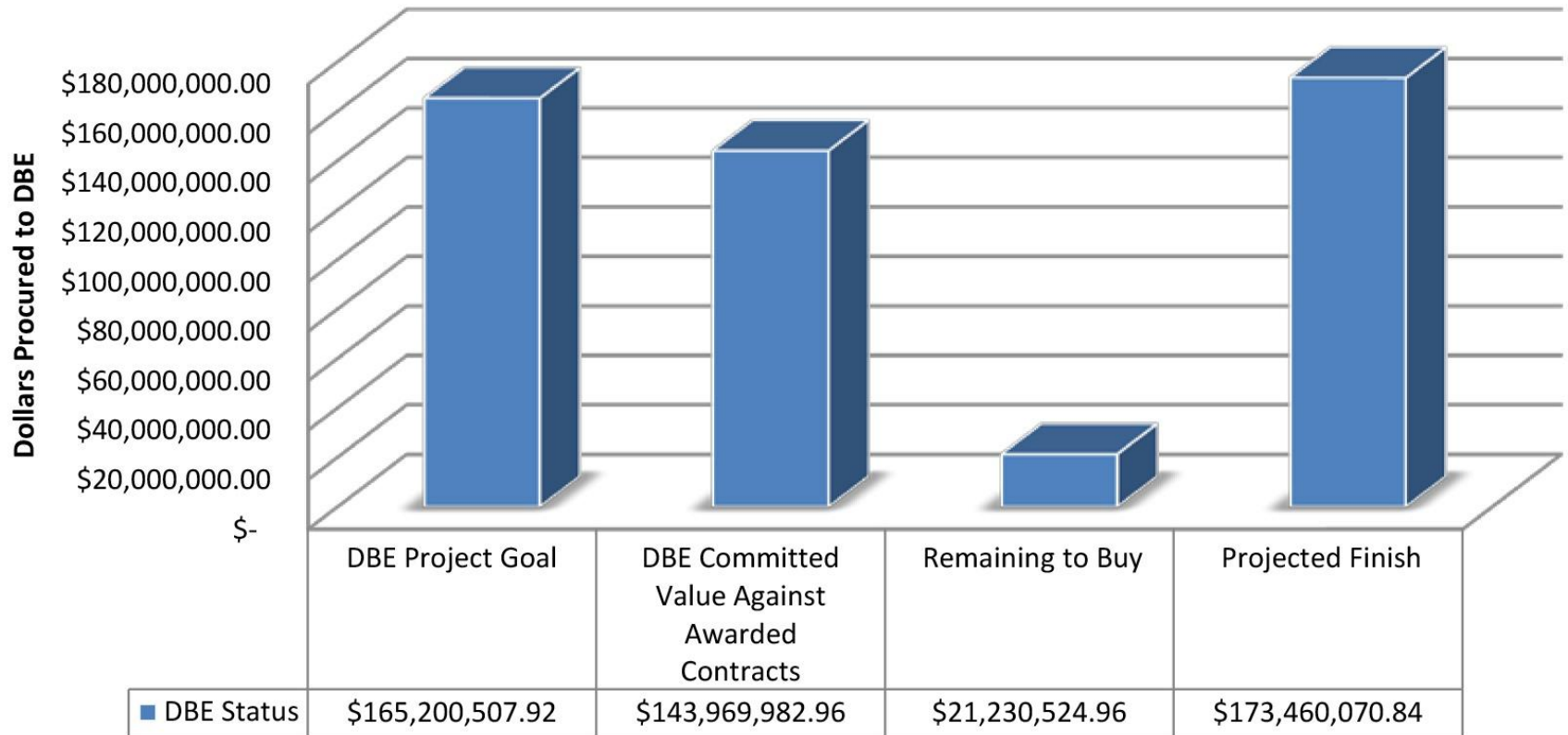


Dulles Day Festival



## DBE Goal Status

### Dulles Corridor Metrorail Project, Phase 2, Package A Disadvantaged Business Enterprise(DBE) Status





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## Geotechnical Testing and Initial Survey

- Geotechnical: 92% complete
- Initial Survey: 98% complete
- Over 1,200 borings



## Aerial Guideway: Drilled Shafts

- 26 Drilled Shafts installed as of August 31 - 13% complete



Drilled Shaft and Rebar Cage – Pier 81



## Aerial Guideway: Columns

- 16 Columns installed as of August 31 – 8% Complete





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## Aerial Guideway: Caps

- 1 Cap installed as of August 31 – 5% complete





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## Aerial Guideway: Yard Leads

- Roadway Installation





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## GSE Building Demolition

- **Building Demolition: Early October**
- **Additional Parking and Roadway Installation: November**





## Facilities: Innovation Center Station

- Enabling Work
- Excavation & Foundations
- Precast & Steel

Oct 2014

Dec 2014 – Apr 2015

Apr 2015 – Sep 2015

Innovation  
Station





## Facilities: Herndon Station

- Enabling Work
- Excavation & Foundations
- Precast & Steel

Nov 2014

Mar 2015 - Jul 2015

Jul 2015 - Dec 2015

Herndon  
Station





## Facilities: Reston Town Center Station

- Enabling Work
- Excavation & Foundations

May 2015

Jun 2015 - Nov 2015

Reston Town  
Center Station





## Bridges: Horsepen Run



- Support of Excavation & Foundations
- Structural Steel & Bridge Deck

Oct 2014 - Dec 2014  
Apr 2015 - Jul 2015



## Bridges: Centreville Road



- **Support of Excavation & Foundations** Jul 2015 - Sep 2015
- **Structural Steel & Bridge Deck** Sep 2015 - Nov 2015





## Bridges: Broad Run



- **Support of Excavation & Foundations** Jun 2015 - Apr 2016
- **Structural Steel & Bridge Deck** Apr 2016 - Dec 2016



**Ronald Reagan Washington National Airport**



**Dulles Corridor Metrorail Project**



**Dulles Toll Road**



**Washington Dulles International Airport**



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