



CONSOLIDATED FORENSICS LAB (CFL)

Monday, October 1, 2012

PRESS KIT

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PROJECT OVERVIEW

The Consolidated Forensic Lab (CFL) has been 7-years in the making originating in 2005 with “Need Assessment and Programming”. The implementing agency, Department of General Services (DGS) broke ground/started construction on November 17, 2009.

This project is a great example of inter-Government cooperation, succeeding through the collaboration of six District agencies: DGS, DDOT, DCRA, DDOE, OCTO and DOES.

The CFL will be delivered *On-Schedule and On-Budget* in line with the Mayor and Department of General Services (DGS) objective to build quality buildings that elevate the District across the board, maximizing tax payer dollars and achieving innovative efficiencies. The building was budgeted for \$210M (reduced from \$220M) including \$145M of construction value and \$20M in laboratory equipment and other technology.

The CFL will house 270 employees incorporating three public safety functions including the OCME (Office of the Chief Medical Examiner), the newly created Department of Forensic Sciences (DFS) – made of former MPD Crime Lab and Public Health Lab (formerly part of DOH), including BSL-3 lab and the MPD Crime Scene Unit. The newly created DFS agency will include the Fingerprint, Firearms, DNA and Trace Evidence units along with the District’s Public Health Laboratory (PHL) under an independent and scientific management reporting to the Deputy Mayor for Public Safety and Justice.

BUILDING HIGHLIGHTS

- Area - 351,000 gross square foot (287,000 net SF)
- Six (6) stories above ground and two (2) below
- Secured facility with multiple layers of security including biometric/Retina for critical vaults
- Reliability with redundant power feeds (Pepco) and Voice/Data (OCTO/DCNet)
- Manned 24/7/365 by PSPD
- LEED Gold Building (2 points shy of LEED Platinum)
- Lab training facility (Wet/Dry training labs)
- Fitness Center

STATUS

The Advance DNA lab team has already moved into the building, as well as the DGS Maintenance Team, who is already in place. Final Commissioning and last punchlist items are underway with the remaining major moves occurring from October 12 – November 21, 2012.



IMPACT ON LOCAL ECONOMY (COMPLIANCE)

CBE Participation: 35% Required, 37.5% achieved (\$48.9M to CBE)

FirstSource Hiring Statistics (during construction)

360 New Hires to Date – **210** DC Resident FirstSource New Hires (58.3%)

New Hire Statistics:

Tradesmen (locally hired)

Laborers (36)
Electricians (29)
Sheet Metal Worker (5)
Iron Workers (39)
Equipment Operators (13)
Plumbers (30)
Glaziers (8)
Carpenters (30)
Roofers (13)

210 Hired Residence by Ward:

Ward 1 (24)
Ward 2 (10)
Ward 3 (7)
Ward 4 (27)
Ward 5 (33)
Ward 6 (16)
Ward 7 (46)
Ward 8 (47)

210 Hired Residence by City Quadrant:

NE (79)
NW (58)
SE (68)
SW (5)

CONSTRUCTION

Implementing Agency – DGS

Partners:

A/E firm – HOK
General Contractor (GC) - Whiting-Turner
Construction Manager – Jacobs Engineering

Quick Construction Facts:

989,528 manhours worked
1,092,468' of copper wire
112,730' of multi-conductor cable
210,920' of electrical conduit
100,000 Pounds of S/S Ductwork
27,013' of steel pipe
145,827' of copper pipe
15,000' of poly-propylene pipe
★ 750,000 Pounds of Galv./Antimicrobial Ductwork



CONSTRUCTION INNOVATIONS AND GREEN ATTRIBUTES

Utilized state-of-the-art technology during construction to improve quality and stay on cost and schedule.

Utilized Building Information Modeling (BIM), 3-D rendition:

- Recognize and resolve construction conflicts prior to fabrication, delivery, and installation of materials onsite (avoid change orders)
- Review logistics of installation with actual site conditions prior to arriving onsite (avoid schedule delays).
- Prefabricate components prior to delivery onsite (Improved Quality/Improve Schedule)

AWARDS

- AIA Technology in Architectural Practice BIM Award – American Institute of Architects
- Craftsmanship Awards Winner 2012 for Ornamental Metals – Washington Building Congress (WBC)

SUSTAINABILITY (GREEN FEATURES)

- 32,000 SF Green Roof
- Glazed solar shading system (louvers) that is controlled by on-roof weather station
- 0 - Amount of storm water runoff (100% collection of roof storm water)
- 2 million - Gallons of water saved by reusing storm water in the facility's cooling tower
- 21% - Reduction in energy use
- 220 metric tons/year - Net CO2 Reduction from Chiller
- 100% - Amount of natural/fresh air used for ventilation
- Chilled Beam cooling/heating technology
- High Efficiency Boilers & Chillers
- 6 - Energy recovery air handling units (AHU's)
- Curb-side LID's (low impact development) to collect/retain storm water and also function as security barrier



The Consolidated Forensic Laboratory combines DC's public safety forensic science and public health efforts into one state-of-the-art building.



Housing 3 public safety functions: OCME (Office of the Chief Medical Examiner), the newly created Department of Forensic Sciences (DFS) – made of former MPD Crime Lab and Public Health Lab (formerly part of DOH), including BSL-3 lab, and the MPD Crime Scene Unit.



The lab will coordinate crime, public safety and health investigations to help law enforcement solve crimes quickly and efficiently.



CFL Guided Tour

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5th Floor - OCME Autopsy Suit

The CFL will provide a total of 9 autopsy stations, compared to 3 currently. The entire room uses surfaces that are impervious to water and biological penetration making it easy to clean and maintain. They are as follow:

- 4 - General autopsy stations located in the main autopsy suite in an open space for general autopsy. This suit also include an expansion capacity to add 2 additional autopsy stations in the future.
- 1 - Embalming autopsy station
- 2 - Isolated autopsy suits
- 1 - Infectious autopsy suite that is designed to Bio Safety Level (BSL) Three standards (BSL-3)
- 1 - Operating Theater to be used for educational purposes for university medical students and medical visitors

4th Floor - DFS/PHL Bio Safety Level Three standards Lab (BSL-3)

Containment Suite to test for biological germs. This lab is built to the CDC standards and PHL will be seeking their accreditation.

2nd Floor - Fire Arms Labs

Fire Arms lab is made of 3 components:

- Gun Range for weapon operability test
- Water Tank to recover bullet and shell casing form the weapon in question for comparison purposes
- Microscope Stations to analyze and match bullets form crime scene with tested bullets

