PROJECT TEAM

Owner - Maryland Transportation Authority
Prime - Johnson, Mirmiran, & Thompson
Architecture - Rubeling & Associates
Mechanical and Electrical - Johnson, Mirmiran, & Thompson
Civil and Structural - Carroll Engineering, Inc.
Geotechnical - E2CR

CONSTRUCTION

The project is currently in a "holding" stage. The project was designed and bid in 2002, but was not built. It was being redesigned, however, confirmation of funding has halted the redesign for now.

STRUCTURAL

Range: Open web steel joist, reinvoced/ solid grouted CMU
Training: Steel frame structure, roof framing clear span with no columns on second floor

MECHANICAL

Range: Two air cooled condenser water chillers and two indoor central stations
Training: Base-board heat, indoor central station

LIGHTING

Exterior: Wall mounted fixtures wash logos, recessed canopy lighting illuminates the extrance, pole mounted shoebox fixtures provide parking lighting.
Interior: Linear fluorescent fixtures at 277 volts is the primary fixture type. Metal halides, halogens, and LEDs are also present.

GENERAL PROJECT DATA

Size: 42,100 square feet
Stories: Two stories above grade
Estimated Cost: $15,150,000
Building Features: The facility has a variety of spaces including offices, class rooms, investigation areas, storage, a physical training gymnasium, and a 14,400 square foot firing range.
Exterior: The façade is comprised of sections of ground face CMU and split face CMU. Two precast concrete logos adorn the front facade and a standing seam metal roof covers the first floor lobby entrance.

ELECTRICAL

Distribution: Radial system
Utility Service: BG&E utility transformer connects to main 1200A circuit breaker
Voltage: 480Y/277 volt main switchboard, 208Y/120 volt power provided by internal system transformers
Emergency: Outdoor generator, 450 KW, 408/277 volt, provides emergency power to most building elements.