



# EQUIPMENT & MAINTENANCE OPERATIONS CENTER (EMOC)

- Montgomery County, MD

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## PROJECT DESCRIPTION...

EMOC is the first of Smart Growth Initiative (SGI) projects that will eventually revitalize an old industrial area by creating an urban village near the Shady Grove Metro.

The EMOC project is actually a collection of 13 buildings and equipment structures that will serve the Department of Transportation's divisions of Transit Services and Highway Services, the Department of General Services and provide a Day Labor Center. The facilities include administrative buildings; bus parking for 200 buses; bus service lanes; bus wash facility; fare collection area; bus service maintenance bays; parts room; heavy equipment storage shed; soil/gravel storage area; highway service bays; compressed natural gas fast-fill, gasoline and diesel fueling stations, and employee and visitor parking.

The environmentally-sensitive design of EMOC increases the size of existing facilities, but does so within a smaller footprint by using multi-story buildings. Many acres of green space provide for stream buffer protection and forest conservation. The overall project is designed to achieve a LEED Gold certification by incorporating innovative features.

## SCOPE OF WORK...

The Robert B. Balter Company provided full-time Special Inspections and Materials Testing Services in conformance with the Montgomery County Special Inspections Program (IBC Section 17) for this complex project, which included site development as well as the following categories of inspection work: sheeting, shoring, formwork systems; soils, earthwork, conventional foundations; super structure, cast-in-place concrete, pre-cast concrete, structural steel framing, metal decking, light gauge framing, fireproofing and structural masonry; flexible and rigid pavements; and stormwater management features. Confirmed use of permitted drawings in accordance with MCDPS requirements.

In addition, Balter provided Geotechnical Engineering Services during construction including recommendations pertaining to groundwater control, the use of onsite suitable and unsuitable soils, retaining wall support recommendations, and pavement subgrade recommendations, including the use of soil cement.

## ADDED VALUE...

This project had a very tight expedited 18 month construction schedule for such a large project. Our well-experienced technician and engineering team were available to offer immediate assistance, support and information to the client to quickly resolve any site challenges including wet soils, unsuitable soils, low concrete strengths, soil cement recommendations, retaining wall redesigns, and other foundation issues. Our proactive approach helped maintain the expedited project schedule. Very little subsurface information was available to the design/construction team. Our engineers worked closely and proactively with the County to provide geotechnical recommendations which prevented the potential for numerous change orders. Balter is providing comprehensive Quality Assurance and Quality Control (QA/QC) Special Inspections and Materials Testing Services under the Montgomery County Special Inspections Program Contract #363200001. Balter has provided comprehensive support and unparalleled SI and inspection services to Montgomery County on this current and the past two multi-year contract periods (#3502050083 and #6504510207, 2003-2010).



**THE ROBERT B. BALTER COMPANY.**

*Geotechnical Engineering, Subsurface Exploration  
Construction Inspection and Materials Testing*