

MD 30 RELOCATED, HAMPSTEAD BYPASS

Carroll County, MD



WBCM was responsible for the design of the relocation of MD 30 from south of Wolf Hill Drive to north of the Town of Hampstead a distance of 4.4-miles. The Bypass generally traverses through farm fields crossing over several County roads. The project design included 4-miles of roadway, 4 bridges, 3 roundabouts, 3,500 lineal feet of noise wall or noise beams, 19 stormwater management facilities, erosion and sediment control, signing, lighting, and traffic signals. The Bypass crosses a bog turtle habitat which is a federally protected species. The project required extreme caution and monitoring in that area to avoid impact to the bog turtle habitat. The project included construction of a bog turtle barrier to prevent the turtles from accessing the roadway. In addition, within the hydrologic influence area of the bog turtle, the project incorporated stormwater management facilities designed to contain a 10,000 gallon accidental spill during a 2-year storm event. The project required, 928,000 cubic yards of cut and 760,000 cubic yards of embankment, extensive erosion/sediment control and landscaping of the entire project including incorporating the SHA Visual Quality Guidelines into the design of the stormwater management ponds.

Client: Maryland State Highway Administration
Total Construction Cost: \$41,000,000.00
Project Size: 4-miles

WBCM Services: Highway, Bridge, Traffic,
Hydrology/Hydraulics, Landscape Architecture,
Stormwater Management, Erosion and Sediment
Control, and Surveys