



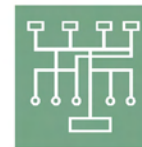
Associates



Engineers



Architects



Systems



Construction  
Managers

# **McCOOK RESERVOIR OFFICE / MAINTENANCE FACILITY AND CONVEYOR SYSTEM**

BEDFORD PARK,  
ILLINOIS

**METROPOLITAN  
WATER  
RECLAMATION  
DISTRICT OF  
GREATER CHICAGO**

As part of their McCook Reservoir project, the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) contracted HOH to design an Office and Maintenance Facility complex at the reservoir site in Bedford Park, Illinois.

The scope includes relocation of a ½ mile segment of the reservoir access road, over a mile of new water and sanitary forcemain for building services, and sanitary forcemain for building services, and sludge line relocation.

Initially, the 3,700 square foot Office Building will provide office space and break and wash facilities for the Vulcan Materials Company crew which will be mining limestone from the site over a 10 year period to create the large reservoir. Later the Office Building will provide administrative space for MWRDGC operation of the reservoir. The 7,300 square foot Maintenance Building will include two bays for heavy duty Caterpillar quarry vehicles plus a light truck bay as well as storage and shop areas, a 20 ton overhead crane, oil storage and hose reel systems, and office and training space. To reduce construction costs and allow future flexibility, HOH proposed a modular, pre-engineered steel mezzanine system, along with a modular diesel fueling facility for quarry vehicles.

HOH's scope also includes design of a 1 mile conveyor system from the McCook Reservoir, through a tunnel under the DesPlaines River and I-55, to the Vulcan quarry, including all site work, necessary electrical and mechanical design for the conveyor system and supports, and a traffic flow plan for mine and fuel delivery vehicles.

