

**DOWNTOWN COLLECTION SYSTEM ODOR STUDY  
COLUMBUS, OH**

**FINAL PROJECT  
SCORECARD**

- Source of odor problems determined**
- Recommendations for odor mitigation provided**
- 144" & 60" gravity sewer systems studied**

**WEA** performed an odor study in the wastewater collection system in downtown Columbus, OH in 2002. The City of Columbus has experienced odor complaints in the downtown area and plans to develop an area of downtown known as the Riverfront Development Area. The odor study included H<sub>2</sub>S and wastewater testing at numerous locations in the two large diameter sewer systems (144" Olentangy-Scioto Interceptor & 60" Franklin Main) to determine the extent of odor problems in the area, determine the source of the odor problems, and recommend alternatives for odor mitigation. Sewer exhaust testing was also performed to evaluate the potential feasibility of air treatment systems. The report recommended improved sealing of the collection systems to prevent escape of sewer air, and recommended two air treatment systems at opposite ends of the downtown area to collect and treat air from the collection system to keep it under negative pressure.



**Downtown Riverfront Development Area**



**Regulator Vault**