

CMT Wins 2005 Engineering Excellence Award in Missouri

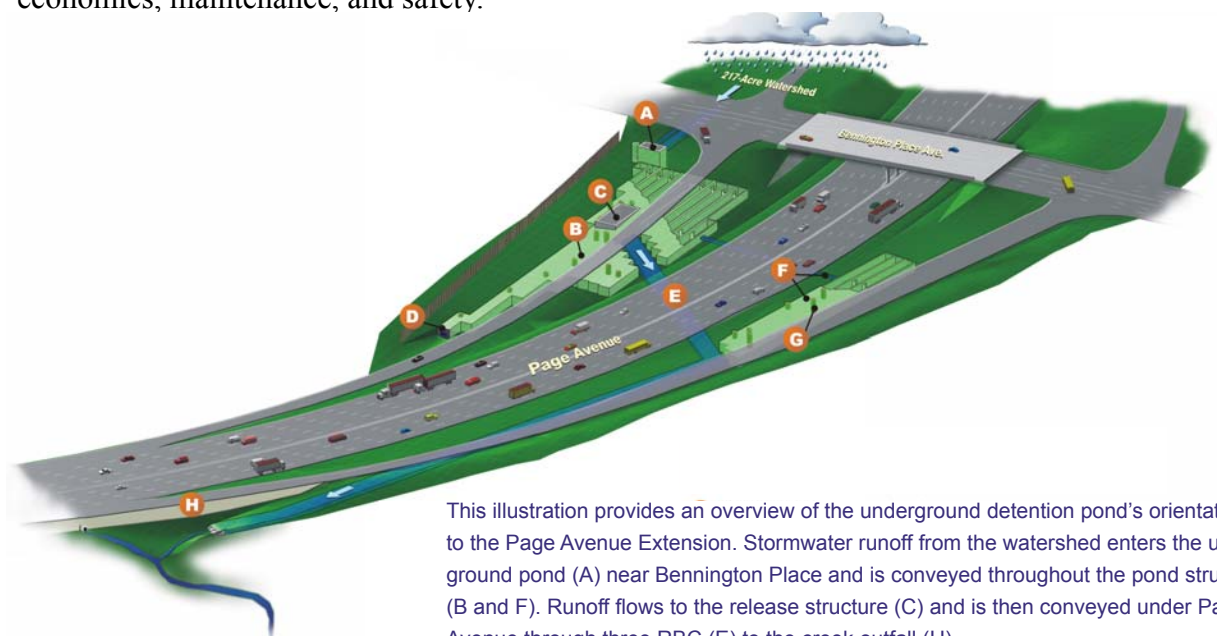
Innovative underground detention pond wins Grand Award from ACEC-MO

St. Louis, MO (February 14, 2005) - Crawford, Murphy & Tilly, Inc. (CMT) was recently honored with an Engineering Excellence Award from the American Council of Engineering Companies (ACEC) of Missouri. CMT took home a Grand Award at ACEC-MO's annual awards banquet on February 11, 2005 in Chesterfield, Missouri.

CMT received the award, the second-highest given out by ACEC-MO, for its work on the Page Avenue Extension located in St. Charles County, Missouri. The Missouri Department of Transportation (MoDOT) retained the services of CMT before construction of a section of Page Avenue when it was discovered that a traditional highway drainage system would not be sufficient. The CMT project team responded with an innovative underground detention pond that will handle volume in excess of a 100-year storm event with zero-increase of stormwater runoff into the nearby creek drainage area.

The underground pond is constructed out of a configuration of reinforced concrete box culverts (RBC) and is much larger in volume than is customary for an underground facility. It results in a modular design, a feature that proved beneficial when space limitations incurred during the construction phase required that the pond system be reconfigured into two separate sections on opposite sides of the highway.

MoDOT praised the underground pond as a superior alternative to an open-air pond in terms of economics, maintenance, and safety.



This illustration provides an overview of the underground detention pond's orientation to the Page Avenue Extension. Stormwater runoff from the watershed enters the underground pond (A) near Bennington Place and is conveyed throughout the pond structure (B and F). Runoff flows to the release structure (C) and is then conveyed under Page Avenue through three RBC (E) to the creek outfall (H).