

CASE STUDY

HP Storm Used for Runway Rehab

St. Clair County, IL

OWNER

U.S. Department of the Interior,
Washington, D.C.

INSTALLATION DATE

Summer 2014

ENGINEER

U.S. Army Corps of Engineers, Washington, D.C.

PRODUCTS

31,000' (9,450 m) of 12"-36" (300-900 mm) HP Storm pipe

CONTRACTOR

The Kilian Corporation, Mascoutah, IL

DESCRIPTION

HP Storm was selected to replace leaking and deteriorating clay and perforated corrugated metal pipe at Scott Air Force Base, which is 20 miles (32 km) east of St. Louis. The base is a global mobility and transportation hub for the Department of Defense, so timing was of the utmost importance in being able to install the pipe. The runway could only be closed for 16 weeks and nearly 6 miles (9.7 km) of pipe needed to be installed.

HP Storm was chosen for the project as its 20' (6 m) lengths, ease of installation and product availability assured the project could be completed within the allotted time. In addition, HP Storm provides high pipe stiffness and watertight joints that allowed for a reduced amount of imported backfill.

The pipe's nesting capabilities and ease of handling allowed Kilian's two crews to install more than 400' (122 m) of pipe per day on multiple days. The value engineering proposal saved over \$30,000 and provided a sanitary sewer grade joint.



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