



DOT Hydrologic and Hydraulic Studies

Services

ROWE offers a wide range of support resources to assist with storm water management projects, including:

- **Aerial Photography/Mapping**

In-house acquisition and development of photography and mapping for watershed analysis or development of construction drawings

- **Surveying**

Featuring a large and seasoned survey staff, with experience performing right-of-way and topographic surveys, hydraulic surveys, and construction staking

- **Transportation Engineering**

An experienced in-house transportation team is available to assist with developing a storm water management plan that functions in conjunction with highway design standards

- **Construction**

A large field staff experienced in inspecting existing facilities and managing drainage construction projects



ROWE provides Departments of Transportation (DOT) a full range of services to help address drainage challenges. We are experienced in hydrologic and hydraulic theory and practical application. We can provide clear and concise storm water management reports in accordance with DOT standards.

Our staff includes licensed, professional engineers and surveyors, certified floodplain managers, Leadership in Energy and Environmental Design Accredited professionals, and certified storm water operators. These staff members are available to address storm water design and permitting needs.

We are familiar with the Municipal Separate Storm Sewer System (MS4) permit requirements. Our staff are experienced in developing stormwater management systems that meet the infiltration and water quality requirements associated with MS4 permits.

We are well versed in sustainable site design and low-impact design concepts. Our engineers are experienced in using computer programs such as HEC-RAS, HY-8, TR-55, ICPR, GEOPAK Drainage, ORD Drainage, and Hydraflow to assist with analyzing existing and proposed storm water management facilities.