

ROOSEVELT FARM LANE

HYDE PARK, NEW YORK



CLIENT:	CAROL R. JOHNSON ASSOCIATES, INC.
CONTACT INFORMATION:	CAROL R. JOHNSON 617.896.2500
DATE OF COMPLETION:	2008
PROJECT COST:	\$1,600,000
SERVICES PROVIDED:	CONCEPTUAL PLANNING TOPOGRAPHIC SURVEY SITE AND CIVIL DESIGN HYDROLOGIC & HYDRAULIC ANALYSIS DRAINAGE DESIGN PERMITTING CONSTRUCTION DOCUMENTS INSPECTIONS COST ESTIMATES CONSTRUCTION ADMINISTRATION

The restored Roosevelt Farm Lane which links the Eleanor Roosevelt National Historic Site (Val-Kill) with the Home of Franklin D. Roosevelt offers visitors an exciting new interpretive and recreational experience through FDR's tree plantation (trail length: approximately two-miles).

The project initiated with a study and analysis of the existing natural and cultural resources as it passed through a variety of upland and wetland habitats, the feasibility of different users, viewsheds, and vegetation management. A major challenge was to make the path ADA accessible by applying modern engineering design techniques and standards since it is the desire of the NPS and its Partners to keep the alignment of the route unchanged from the days when traversed by FDR himself. Various surface treatments were used to maintain its original character - gravel on the flat grades and paved/chip sealed on the steeper ones.

Site/Civil Planning, Engineering and Permitting services were provided for the development of the trail through a sensitive 335 acre site consisting of approximately 10,000 feet of "improved" surface path, 20 culvert crossings and one historic bridge crossing. The project design tasks included a design charrette to determine trail widths, path and bridge options; pre and post hydrologic and hydraulic analyses to provide for storm water quality and control; design of the trail's horizontal and vertical alignment, grading, and paving. Several of the drainage crossings at sensitive wetland areas included amphibian access. Design of a pedestrian/light vehicle bridge at the location of the historic bridge was accomplished by installing a new span over the remains of the historic bridge left in place. An integral part of the project was to prepare and support the inland wetland permitting process for both Federal (ACOE) and State reviewing agencies.

*This project is illustrative of staff's experience prior to Stadia Engineering Associates, Inc.