

BOLIVAR, NEW YORK
LOCAL PROTECTION PROJECT
SUMMARY OF PERTINENT DATA
1 APRIL 1992

AUTHORIZATION. Section 205 of the Flood Control Act of 1948 as amended.

LOCATION. The project is located on Root Creek in Bolivar, Allegany County, New York.

LOCAL COOPERATION. The State of New York, being the local cooperating agency, was required to, without cost to the United States: provide all lands, easements and rights-of-way including suitable borrow and disposal areas; adjust all utilities as necessary; hold and save the United States free from damage due to construction and maintenance; maintain the project works after completion.

PRINCIPLE FEATURES OF PROJECT PLAN. The improvement consists mainly of providing protection along 4,750 feet of Root Creek by widening and deepening, slope protection, drop structures, a debris basin and one bridge invert and abutment protection.

HYDROLOGY AND HYDRAULIC DESIGN. Drainage area of Root Creek upstream of the downstream limit of the project is 9.1 square miles. The maximum flood of record occurred in June 1972, with peak flow of 2,000 c.f.s. The project is designed to provide complete protection against a recurrence of the maximum flood of record.

ECONOMIC EVALUATION. Based on July 1974 price levels, average annual benefits and charges are estimated to be \$48,000 and \$41,300, respectively, indicating a favorable economic ratio of 1.16 to 1.0.

PROGRESS. Final Detailed Project Report approved by the Chief of Engineers on 29 April 1976 and final Environmental Impact Statement filed with the Council on Environmental Quality on 5 March 1976. Local interest's formal assurances of cooperation were furnished 8 Nov. 1976 and accepted 8 April 1977. Rights of entry for construction were furnished 27 Oct. 1978 and 15 November 1978. Contract for construction was awarded 17 September 1979. Construction was completed in July 1982 and turned over to the State of New York on February 1984.

COST AND ALLOTMENTS.

Costs estimated 1 October 1981.

Federal	\$1,525,000
Non-Federal	\$36,000
Federal costs to 30 September 1986	\$1,591,436
Federal allotments to 30 September 1986	\$1,591,436

SURVEY DATA. Initial survey was made in 1973. The beginning horizontal control was based on scaled New York grid coordinates. Traverses were run on third order accuracy. Elevations originated from USC&GS bench marks and refer to 1929 adjustment. Topography was obtained by plane table scale 1"=30' and cross sections. Plane table sheets Nos. 999-1003. Additional field surveys were made in 1976 to locate and tie in the State of New York channel project at Main St. Bridge.

CONGRESSIONAL DISTRICT. The project lies within the 34th Congressional District of New York.