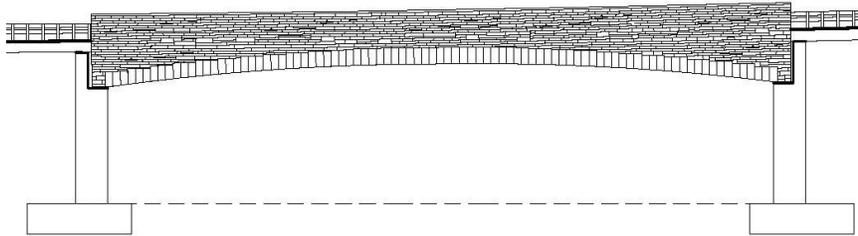
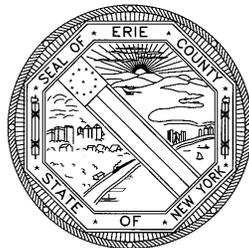


**Glen Avenue Bridges No. 702 and 704
over
Ellicott Creek
BINS 3328850 and 3328860
Town of Amherst
Village of Williamsville
Erie County
NYSDOT PIN 5755.26**



**Friday, July 7, 2006
Opening Ceremony**

Erie County



**Department of Public Works
Division of Highways
45 Oak Street
Buffalo, New York 14203**

PROJECT DESCRIPTION

This project involved the replacement of the Glen Avenue Bridges over Ellicott Creek in the Town of Amherst and Village of Williamsville, New York. This included the removal and replacement of the existing bridges, reconstruction of the approach pavement and installation of new sidewalk and guiderail. The total length of the project is approximately 600 LF. Additional funding (\$142,000) for the new sidewalk in the Village was provided through Senator Rath's office.

EXISTING BRIDGE CONDITION

The existing roadway bridge over Ellicott Creek and the Tail Race were both built in 1937. The pedestrian bridge over Ellicott Creek was built in 1976.

The two (2) bridges were owned and maintained by Erie County and the roadway is owned and maintained by the Village of Williamsville. The pedestrian bridge was under the authority of the Village of Williamsville and the Town of Amherst, as Glen Park was a joint project and the development of the park is what necessitated the pedestrian bridge.

The project was brought about due to deterioration of the structural members and the concrete support structure of both roadway bridges. The structural concrete of the abutments and wingwalls were showing spalling and were hollow sounding in areas. The main structural members and bearings showed signs of severe rust and loss of section.

Both bridges had steel railings with concrete pylons at their ends, which did not meet the current standards.

SCOPE OF PROJECT

The project replaced the existing three (3) structures with two (2) structures. Bridge No. 702 (the Tail Race structure) was replaced by a 6 foot(w) x 4 foot (h) Precast Concrete Box Culvert. Bridge No. 704 and the pedestrian bridge were replaced with a Precast Concrete Box Arched Structure with a clear span of 87 feet. This structure has concrete barriers (Jersey Barriers) at each curb line and a concrete pedestrian railing. The vertical faces of these concrete barriers and railing were faced with simulated stone. This facing was also applied to both the up and downstream faces of the bridge.

The traffic-way on the bridge consists of two (2) 14 foot lanes and 6 foot wide sidewalks. Off the bridge, the pavement section is the same and the roadway has upright concrete curb. The daily vehicle traffic on this bridge is greater than 6,500 vehicles per day. Five (5) foot sidewalks were installed parallel to the roadway on Glen Avenue from Rock Street on the west to east of the handicapped parking area east of Ellicott Creek and on the north side of Glen Avenue from Rock Street to Mill Street. Upgrades to meet American Disabilities Act (ADA) Standards at two (2) crosswalks.

The work in the creek bed was limited to removal of the existing structure, installation of the new footings, abutments, wingwalls and slight realignment of the creek bank in the northeast corner, to accommodate the new structure's added length.

The construction cost for this project is \$1,600,000.00. The project is being funded with 80% Federal funds, 15% State funds, and 5% County funds.

PROJECT SCHEDULE

Utility Relocations:	July 18, 2005 – September 23, 2005
Start Construction:	July 18, 2005
Construction Substantially Complete:	July 6, 2006

PROJECT TEAM

Owner:	County of Erie Department of Public Works Division of Highways 45 Oak Street Buffalo, NY 14203
Engineer:	Greenman-Pedersen, Inc. 4950 Genesee Street, Suite 165 Buffalo, NY 14225
Contractor:	CATCO 1266 Townline Road Alden, NY 14004

PUBLIC OFFICIALS

State Senate	Hon. Mary Lou Rath
State Assembly	Hon. James P. Hayes
Erie County Executive	Hon. Joel A. Giambra
Erie County Legislator	Hon. Barry A. Weinstein, M.D.
Town of Amherst	Hon. Satish Mohan
Village of Williamsville	Hon. Mary Lowther