



## *RECONSTRUCTION OF BUFFALO PUBLIC SCHOOL 80*

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**Owner:**

*City of Buffalo*

**Location:**

*City of Buffalo, Erie County*

**Completion Date:**

*December, 2002 (Design); September, 2003*

**Construction Cost**

*\$1,200,000 (Estimate)*

**Services:**

- *Electric Service*
- *Power Distribution*
- *Lighting*
- *Fire Alarm/detection*
- *Security*
- *Clock/Program System*
- *Closed Circuit Television*

Highgate Heights Elementary School (Buffalo Public School 80), first erected in 1929, will be reconstructed under the City of Buffalo's overall school reconstruction program. The facility will serve as a Theme School under the Buffalo School District's Choice Initiative, and will feature a modern library, expanded cafeteria, and a community clinic. The building will be modified to be fully useable and accessible to the physically disabled. The school will be crafted as an English Language Arts School, and will be designed as a state-of-the-art facility to serve pre-kindergarten through eighth grade students throughout the twenty-first century.

Watts Engineers was commissioned to serve on the design team to perform the Electrical Engineering for this project. Services included the design of a new primary electrical service, necessary to provide adequate power for various new electrical loads that will be incorporated into the building as part of the reconstruction program. These include computers and technology equipment, an elevator, an electric fire pump, ventilation and air-conditioning equipment and new kitchen equipment. Watts Engineers also designed a new energy efficient lighting system suitable for modern classroom applications, a new fire alarm and detection system, a clock and program system, a security system, a closed circuit television system, and a new engine generator to supply emergency power and lighting throughout the building. Construction began in early 2003, and will be ready for student occupancy in 2005.