

## CASE STUDY



- Weekly Downloads
- Lower Cost
- Less Maintenance
- No Contracted Data service
- Improved performance

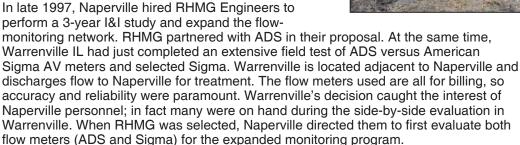
ELAN Technologies 14627 Edison Drive New Lenox, IL 60451

Phone: 815-463-8105 Fax: 815-463-8106

www.ELANTechnologies.net

## **Project Background**

Naperville, IL has grown from 20,000 to over 100,000 people in less than 30 years, putting a tremendous burden on the wastewater collection system. Inflow and Infiltration (I&I) was a constant concern with all the new connections made annually. In the late 1980's Naperville embarked on a unique sewer program to monitor inflow and infiltration (I&I) utilizing long-term flow and rainfall monitoring. As part of the study, over 20 permanent ADS area velocity (AV) meters each with dial up phone modems for remote data retrieval. These meters were placed throughout Naperville for monitoring inflow and infiltration (I&I) as well as billing sites for feeder communities and some pump stations. This equipment was serviced, and the data retrieved, on a contracted basis with ADS.



During evaluation, Sigma's strength's in hardware and software became evident. Configurability, ease of use, field ruggedness, accuracy, installation simplicity and other factors were considered. Sigma's software was easy to use and powerful and focused on good raw data without massaging. Sigma's offering allowed Naperville personnel to maintain and operate the system in house rather than relying on others. The final recommendation was to utilize Sigma AV meters for the new study and replace all the existing ADS equipment with Sigma AV meters, too!

## **Project Benefits**

Since the installation of the Sigma AV meters, Naperville now runs the entire flow monitoring system with their own personnel. Data is downloaded on a weekly basis, more often if desired, from each meter via the originally installed phone lines. In addition, preconfigured report and graph templates enable Naperville personnel to do all necessary reporting and graphing in house, completely eliminating the contracted services and thousands of dollars from their operating budget.

## **Contact ELAN Technologies**

ELAN Technologies offers innovative, custom open channel flow monitoring solutions to meet any flow application and regulatory requirement. When you have a tough application, call ELAN. For information on fixed sewer flow monitoring systems, contact ELAN Technologies on the web at www.ELANTechnologies.net

