ELMWOOD AVENUE RECONSTRUCTION | Kenmore & Tonawanda, NY

Design and Construction

Kenmore Avenue to Knoche Road

The project is being designed for the ECDPW as a Locally Administered Federal Aid Project. The project scope involves the rehabilitation of approximately 2.45 miles of Elmwood Avenue from Kenmore Avenue to Knoche Road. This section of Elmwood Avenue currently consists of a curb-to-curb width of approximately 40' with two travel lanes in each direction which is carried through the project corridor, except for turn lanes at Kenmore Avenue and at Knoche Road. Sidewalks were replaced in recent years on both sides within the Village set back away from the curb closer to the right-of-way.

The existing right-of-way is 99-100' wide. The existing closed drainage system is located within the roadway on both sides and is deteriorated and many of the roadway inlets are in poor condition. The drainage system needs full rehabilitation/replacement south of Sheridan Drive with the intent to run trunk lines down both sides to minimize pipe crossings.

The project objectives between Kenmore Ave. and Sheridan Drive are to rehabilitate the pavement, improve vehicular and pedestrian safety, improve drainage, provide bike lanes, and reduce travel delays through the project corridor. The proposed lane configurations will consist of two 10' travel lanes, one 10' two-way left turn lane, and two 5' bicycle lanes, which fit within the existing 40' wide roadway section. They will also avoid extensive utility pole relocations which are 2 to 3' behind the curb. The pavement section currently has a concrete base with asphalt surfacing. Milling to the concrete base and placement of new asphalt overlay courses will be performed to address the reflective cracking and pavement fatigue, and joints treated to limit future cracking in new pavement.

The objective between Sheridan Drive to Knoche Road is to correct pavement deficiencies and extend the useful life of the pavement. The scope includes a mill and two-course overlay to address and restore the functional condition of the pavement.

Elmwood Ave. services about 14,100 vehicles daily (AADT) between Kenmore Ave. and Sheridan Drive and traffic volume reduces to 5,600 vehicles between Sheridan Drive and Knoche Road. There are seven (7) signalized intersections between Kenmore Ave. and Sheridan Drive and one (1) at Knoche Road between Sheridan Drive and Knoche Road. ADA ramp improvements at intersections and upgrades of traffic signals to meet ADA requirements will be performed. Our Team is engaging the public early to gather input and establish clear communication and data bases for the project's unified and successful completion.

Client:
Erie County Department of Public Works (ECDPW)

Client Contact:
Karl Rohde, PE
(716) 858-2108

Est. Completion Dates:
Design: 2/2022
Construction: 2023-12/2024

Cost:
$8.1M Estimated

Key Personnel:
John DiDonato, PE-PIC
Peter Ringo, PE-QA/QC
William Ratka, PE-PM
Kashyap Revalli, PE, PTOE-Sr. Transportation Engineer
Pradeep Simlote, MS-SWPPP
James Messana, EIT-Designer
Kathryn Huurman, EIT-Cost Estimating
Matt Ziemba-CAD

Team:
DiDonato – Civil Design, Traffic Analysis, Utilities, Estimating, & Inspection
Highland Planning – Public Outreach
KHEOPS – M&PT
JKLA – Landscape Architecture
Frandina – Survey Services
Kubit Engineering – Construction Inspection

DiDonato Associates