

## Newburgh Road Rehabilitation

**MDOT Contract ID: 82457-88493, Project 88493A**

Livonia, Michigan



Spalding DeDecker Associates, Inc. (SDA) was retained by the City of Livonia to design and provide construction engineering services for the rehabilitation of Newburgh Road as part of their ongoing annual road improvement program. The project included the rehabilitation of 0.90 miles of hot mix asphalt resurfacing including concrete pavement repair. This program received full review and oversight by the City of Livonia Department of Public Works, was partially funded through the Michigan Department of Transportation (MDOT) Local Agency Program, and received full design oversight and review by

MDOT. SDA provided all survey, design, and construction engineering services.

### Traffic & Safety Inspection Services

This project required work zone traffic control by utilizing lane closures and traffic shifts through the use of traffic control devices as required using the Michigan Manual of Uniform Traffic Control Devices (MMUTCD). Once the road improvements were completed, permanent striping, pavement markings, and two impact attenuators were placed following MDOT's standards and procedures.

### Road Construction Engineering

SDA provided construction technicians trained in MDOT bituminous and concrete paving operations to monitor and document construction using FieldManager software. A Professional Engineer reviewed daily construction reports, verified quantities against design requirements, processed pay certifications, negotiated change orders and contractor claims, and maintained contract documentation. Construction technicians and engineers oversaw all work in accordance with MDOT, the City of Livonia, and American Association of State Highway and Transportation Officials (AASHTO) standards and procedures.

### Design Survey and Construction Staking

Design surveys were obtained for engineering design. SDA also performed construction layout for the projects. Staking consisted of setting graded off-set stakes at regular intervals and producing cut sheets.

### Road Design Engineering

Newburgh Road was prepared in accordance with MDOT standards and specifications and let as part of Governor Granholm's JOBS TODAY program in 2007. The street and road repair work was designed to meet MDOT, AASHTO, and the City of Livonia's standards and specifications.

### OWNER/CLIENT

City of Livonia

### PROJECT START - END

May 2007 – December 2007

### SDA PROJECT NO.

RB05-014