

Pheasant Run Roadway Maintenance Association (PRRMA) Pavement Evaluation

Canton Township, Michigan

The project consists of an evaluation of pavements maintained by three subdivisions within PRRMA, recommendations for repair, and the development of a network-wide 10-year work plan. The project included the following elements:

Field Investigation

- Visual inspection of pavement conditions
- Data collection of distresses and their locations
- Concrete sidewalk and curb inspection
- Pavement cores, base samples, subgrade samples

Data Organization and Pavement Criteria

- Included the segment inventory of the pavements' condition (including the End of Useful Life), use, priority, and classification

Summary of PRRMA Network

- Included the analysis of the pavements' Overall Condition Index (OCI), use, priority, and classification as a single pavement network

Summary of Individual Subdivisions

- Included the analysis of the pavements' OCI, use, priority and classification of each individual subdivision

10-Year Work Plan Results and Recommendations

- Described the results of the work plan generation
- Output included Budget Summary, Budget Surplus and Segment Repair Recommendations Reports
- Budget comparison, Backlog, Work Plan Distribution analysis

Pavement Life

- Typical extended service life gains for pavement treatments

CartéGraph PavementView Plus software was used in the development of the 10-year work plan. The project is currently in the third year of the 10-year work plan. SDA has prepared construction plans, solicited bids, made bid recommendations, and managed construction for each year of the program to date.

OWNER / CLIENT

Charter Township of Canton

PROJECT START - END

October 2008 - Ongoing

SDA PROJECT NO.

NP09-010