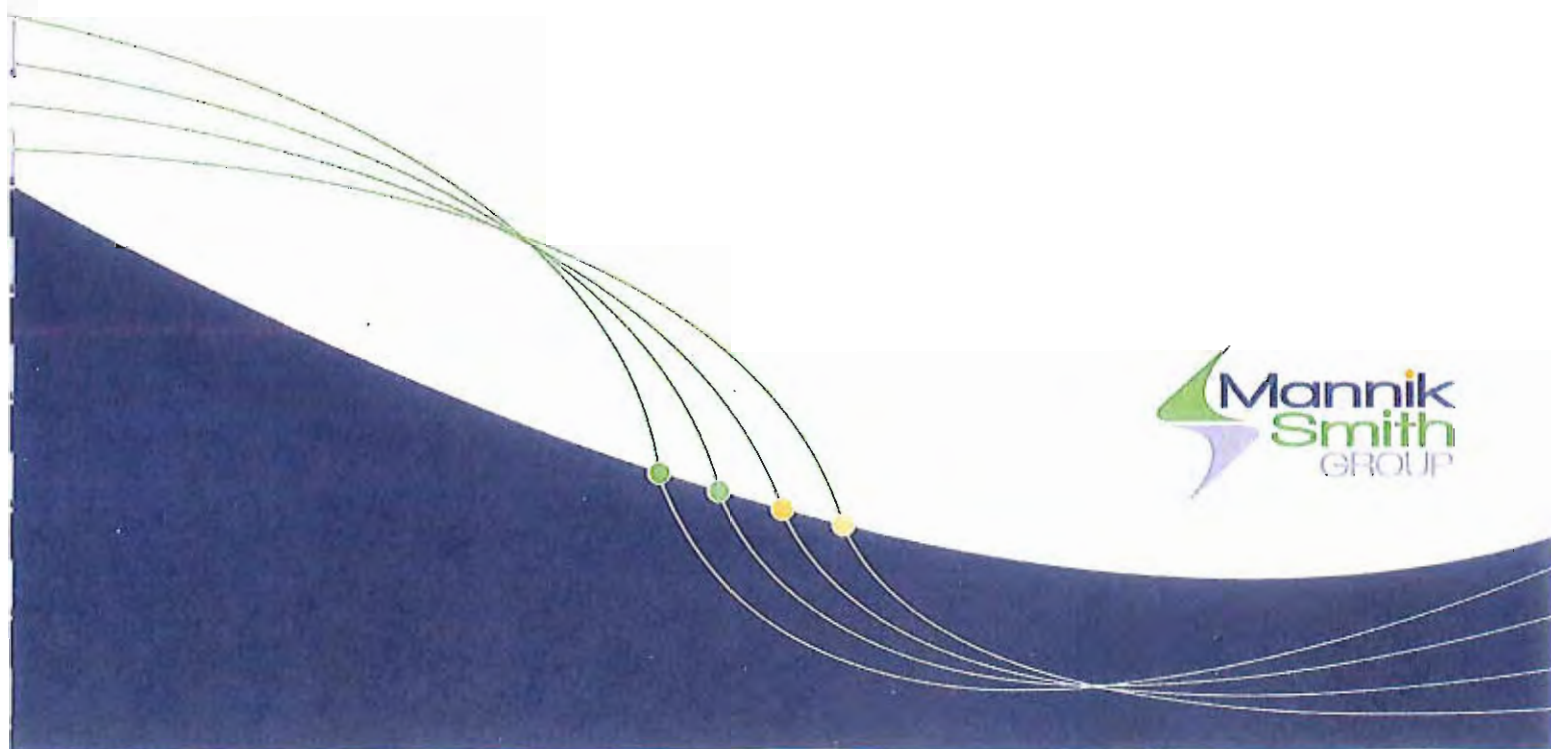


7-C

PAVEMENT ASSET MANAGEMENT PLAN

AUGUST 2014

PREPARED FOR:
BEDFORD TOWNSHIP
8100 JACKMAN ROAD
TEMPERANCE, MICHIGAN



1.0 EXECUTIVE SUMMARY

The Mannik & Smith Group, Inc. (MSG) was hired in June 2014 to provide an Asset Management Plan (AMP) for Bedford Township's road system, which included all the primary county roads and the major local roads, but not the subdivision streets.

The Asset Management Process includes:

- Assessment of current pavement conditions
- Create a 'Mix of Fixes' strategy, develop cost estimates and identify funding sources
- Forecasting of future conditions and development of performance measures and targets
- Conduct tradeoff analysis and identify candidate projects
- Set priorities and develop a multi-year program
- Report results

The Asset Management Plan is a tangible document that shows the strategic asset management vision the Bedford Township's 'road assets', which becomes an effective communication tool for Township officials and the general public. Since Bedford Township does not have jurisdiction over the public road system within the township, the Asset Management Plan (AMP) must be carried out through, or in cooperation with, the Monroe County Road Commission (MCRC), which is the statutory agency responsible for maintaining the public road system within townships exclusive of the State highway system.

Bedford Township's roads were evaluated by MSG utilizing the PASER pavement rating system as well as additional factors which included drainage condition, road base condition, shoulder condition and average daily traffic (AADT). These factors were combined into a formula developed by MSG's road engineers to come up with a priority ranking for the overall primary and local road system in Bedford Township. From these priority ratings, and utilizing the estimated cost for the recommended scope of work, a five year roadway improvement plan was developed from 2015 through 2019 based upon an estimated expenditure of approximately \$1.2 million for each year.

Pavement Asset Management is a tool to be used in conjunction with the prioritization of the local community. How much weight is given to lower volume roads is a choice the community needs to make. The desired pavement surface condition and rideability of the pavement should be used as a guide in establishing maintenance and funding levels. Asset Management plans should be viewed as a guide that can, and should be, modified to meet the prioritization of Bedford Township.

The Asset Management Plan is a living document and will change as pavement conditions vary through continued deterioration, maintenance improvements, resurfacing and reconstruction as well as when the priorities may be modified by the Township.

LEGEND:

- 2014 PROJECTS
- 2014 DESIGN, 2015 BUILD PROJECTS
- 2015 PROJECTS
- 2016 PROJECTS
- 2017 PROJECTS
- 2018 PROJECTS
- 2019 PROJECTS
- 2014-2017 MCRC PROJECTS
- TOWNSHIP LINE



BEDFORD TOWNSHIP PAVEMENT ASSET MANAGEMENT PLAN

08/27/2014

