

# City Council Staff Report

January 6, 2016

**Applicant:** Gary Calder PW  
Director

**Location:** Citywide Roads

**Prepared by:** Gary Calder

## REQUEST

Discussion with the City Council, Mayor and City Staff to examine options to improve the roadways within Mapleton City.

## BACKGROUND AND PROJECT DESCRIPTION

One of Mapleton's most valuable infrastructure assets is the 60 miles of local streets. Collector roads account for 22% of our network system and residential roads are 78%. Maintaining the street network at a higher level of service will promote the richness of Mapleton's heritage and image.

The city of Mapleton asked the Utah Local Technical Assistance Program (LTAP) in 2013 to develop a pavement management system that could be used to assist with the street network maintenance plan.

The pavement management plan states the following:

- Roads should be designed for a 20 year service life.
- Pavement Preservation strategies should include a distribution of the following:
  - Routine Maintenance
  - Preventive Maintenance
  - Rehabilitation
  - Reconstruction
- Utility cuts have been shown to reduce the service life of a street by as much as 5 to 7 years.
- The average remaining service life of Mapleton's street network is 10.36 years.
- A two-step pavement preservation program is recommended to increase the level of service to 14.5 over a 10 year period
  - \$720,427/year for four years
  - \$602,605/year for six years
- The 5 year average of "C" road funds expenditures is \$255,000.

## RECOMMENATION

Staff is prepared to discuss options at the night of the City Council meeting.