Mapleton City

City Council Staff Report

December 16, 2015

Item 2

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.