



Christine Clancy, P.E.
DPW Commissioner

TO: Eileen Donoghue, City Manager *EMD*
FROM: John Gleason, Acting City Engineer
DATE: April 9, 2020
RE: C. Mercier – Request City Manager put Christian Ave on Paving list

The Engineering Department maintains a pavement management index (PMI) database that rates each street within the City. This database was developed in 2016 with Beta Engineering. An update to the PMI database will occur in FY2021 since it has been a few years since each street has been visually inspected. This database is used in conjunction with utility assessments and adjacency to other proposed paving to develop annual paving and roadway maintenance programs. The PMI database also serves a guideline to provide recommendations and estimated costs for preventative maintenance, roadway rehabilitation, or full replacement. The current overall average road condition (PMI) for the City of Lowell is a 70 (0-100 scale).

The Engineering Department has a current paving list prepared for FY2020 and has started preparing lists for FY2021 and FY2022.

This response will address two potential locations Christian St and Christman Ave, since there is not a Christian Ave in the City of Lowell.

Christman Ave. received a PMI score of 64.83 and will be considered for roadway resurfacing (mill and overlay) in future years (FY2021-FY2022) since there isn't a current plan in FY2020 to restore streets in close proximity to Christman Ave. The condition of the utilities has to be confirmed on the street. Based on the City's available records, gas replacement work would have to occur prior to the entire roadway being restored.

The pavement management index database does not recommend any resurfacing at this time for Christian Street. The roadway is rated in fair condition, receiving a slightly below average score of 67.28. Crack sealing and localized repairs could be performed in future years. This street can be further evaluated when the pavement management index database is updated in 2020. Based on the City's available records, gas replacement work would have to occur prior to the entire roadway being restored.

CC: Christine Clancy, DPW Commissioner