

ROSEVILLE
REQUEST FOR COUNCIL ACTION

Date: April 13, 2015
Item No.: 15.c

Department Approval



City Manager Approval



Item Description: Discuss Pavement Maintenance Strategies

BACKGROUND

The City of Roseville, along with many other cities in the metro area and around Minnesota, are experiencing an accelerated deterioration of the top layer of bituminous pavement. We call this delamination (pictured below). There has been some research on this item in the past year that may indicate that this added distress is related to an interaction between the top layer of the pavement and the seal coat treatment we apply to our roadways. Previous response from MnDOT researchers had been that it was related to poor field construction methods. Staff has been discussing this problem for several years as it became apparent it was affecting many of our roadways that were reconstructed in the late 80's and through the 90's. This issue first appears approximately 15 years after the pavement was placed and becomes increasingly apparent in subsequent years.

Staff will present information on this topic and recommend modification of our pavement maintenance strategies in order to respond to this accelerated distress.



18 **Policy Objective**

19 The Pavement Management Program goals are to utilize maintenance strategies that maximize
20 the life of these assets while providing the lowest life cycle cost.

21 **Financial Impacts**

22 The pavement management program is funded from street infrastructure funds, the general fund,
23 and MSA gas tax funds.

24 **Staff Recommendations**

25 Staff will present recommended changes to our pavement maintenance strategies at the meeting.

26 **Requested Council Action**

27 Discuss the city's pavement maintenance strategies.

28

Prepared by: Marc Culver, City Engineer