KENAI PENINSULA BOROUGH
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Mike Navarre
BOROUGH MAYOR

MEMORANDUM

TO: Sam Mclane, RSA Chairman
RSA Board Members

FROM: Henry Knackstedt, Project Administrator

DATE: April 14, 2015

SUBJECT: Lori Jo Street & Scott Avenue Culverts

At the February 17, 2016 RSA meeting, Ted Scroggins, a resident near the Lori Jo Street/Scott Avenue intersection in the West Poppy Lane area provided testimony regarding past flooding in his neighborhood. He stated that as a 30-year resident of the area, he has observed flooding on the average of every five years, and that installing culverts would help alleviate the problem. Vice-chairman Ruffner requested staff report on the question of drainage.

According to the attached KPB wetland mapping, the wetland ecosystems consist of Lakebed shown in green through the intersection, glacial Drainageway remnant in gray, and Kettle in pink. Both the Lakebed and Drainageway soils appeared to be open wetlands, vegetated with sedges, dwarf birch, sphagnum moss, and normally saturated to the surface. The Kettle soils were vegetated mostly with black spruce. Mr. Scroggins home is nearly surrounded by nearby wetland soils.

On March 4, 2015, a 1000' centerline profile was field gathered by staff in the approximate centerline of the of Lakebed and Drainageway finger near the roadway intersection. Based on the elevations gathered, the roadway intersection area appears to be generally the lowest area with grade slightly rising to the southwest and east. Slopes calculate to be less than one-tenth of one percent.

Installation of cross culverts won't cause harm, but it does not appear that they would be of much benefit either. Installations of equalizing culverts are not recommended at this time. The region inspector will continue monitoring in case conditions change that would change this opinion.

END OF MEMO