

Table 1. City’s pavement condition categories.

Category	Typical Distresses and Typical Level of M&R Needed	PCI Range
Good	Longitudinal and transverse cracking and weathering of surface Preventive maintenance: <i>Crack sealing and surface treatments</i>	86-100
Satisfactory	More extensive longitudinal and transverse cracking and weathering of surface Preventive maintenance: <i>Crack sealing and surface treatments</i>	71-85
Fair	Extensive longitudinal and transverse cracking, early stage alligator (fatigue) cracking, early stage rutting, and weathering of surface Global preventive maintenance and localized repairs: <i>Localized surface and/or full-depth patching, surface treatments, and thin overlays</i>	56-70
Poor	More extensive and severe longitudinal and transverse cracking, alligator (fatigue) cracking, rutting, and weathering of surface Major rehabilitation: <i>Localized full-depth patching, mill and overlays, and traditional overlays</i>	41-55
Very Poor	More extensive and more severe longitudinal and transverse cracking, alligator (fatigue) cracking, rutting, weathering of surface, potholes Major rehabilitation: <i>Full-depth patching, mill and overlays, traditional overlays, and reconstruction</i>	26-40
Serious	Extensive and severe failure of pavement surface Major rehabilitation: <i>Reconstruction</i>	11-25
Failed	Complete failure of pavement surface Major rehabilitation: <i>Reconstruction</i>	0-10

At the time of G&AI’s inspection, the City’s pavements were found to have an average PCI of 51, indicating that the City’s roadways are in overall “poor” condition.

IRI values measure the roughness (vertical displacement over a fixed interval reported in inches per mile) of a roadway pavement:

- IRI values less than 200 inches/mile indicate “smooth” pavement.
- IRI values between 200 and 400 inches/mile indicate a “marginally rough” pavement.
- IRI values greater than 400 inches/mile indicate “rough” pavement.

The City’s roadways were found to have an average IRI value of 251 inches/mile, which indicates overall “marginally rough” pavement.

Following this executive summary, Map 1 shows PCI categories for each roadway. Roadways that were planned for resurfacing or reconstruction in 2020 (i.e., after the field inspection was performed) were assigned an assumed PCI value of 100. All other PCI values shown on Map 1 reflect the conditions of the