

Memorandum

Memorandum No: 24-122

Date: June 14, 2024
To: Honorable Mayor and City Council
From: Ryan Henderson, City Manager 
Re: 2024 Anna Roads Pavement Condition Index

The Pavement Condition Index (PCI) is a crucial tool the City of Anna uses in assessing the condition of road pavements. It provides valuable insights into the overall health and performance of road surfaces, aiding in effective maintenance and rehabilitation strategies, as well as detailing areas of greatest need. The assessment is completed bi-annually and the 2024 Anna PCI was recently completed in consultation with Nexco Highway Solutions of America.

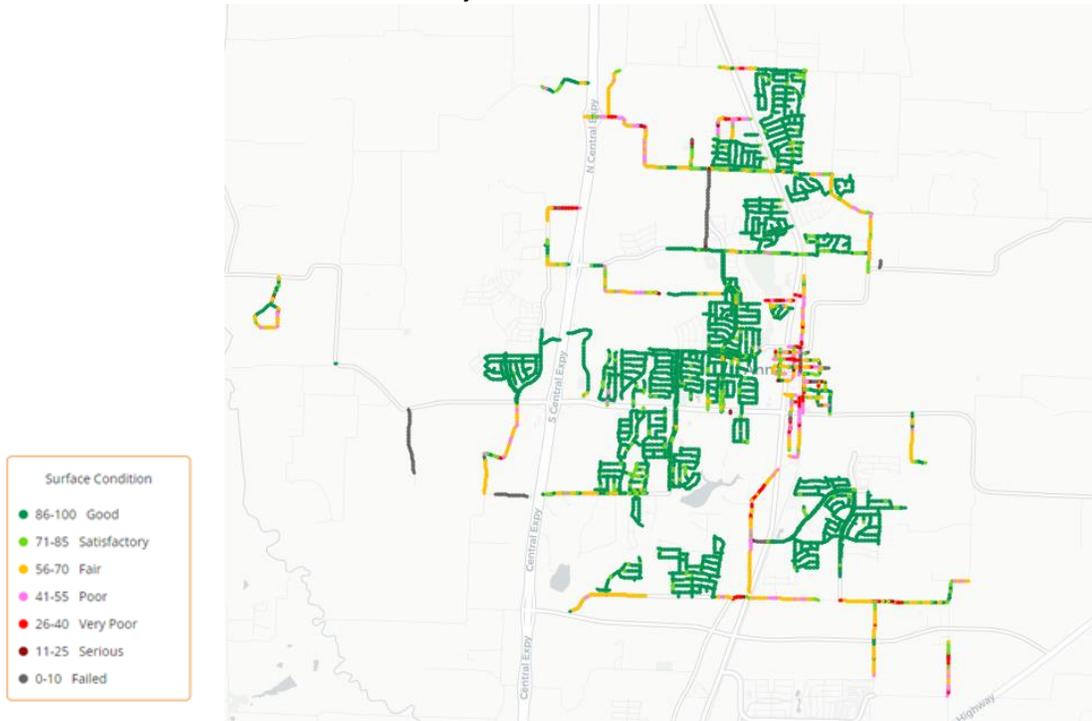
There are four components of the PCI, including distress identification, assignment of severity ratings, assessment of distress density, and evaluation of overall condition for the pavement section. Distress identification includes evaluation of various distress types on the pavement, including cracking, rutting, surface texture, and patching. Assigning severity ratings are based on its extent and magnitude of the distress types. Assessment of distress density is based on the extent of each distress type within the pavement section. Ultimately, the overall assessment includes the collective evaluation of distress types and their severity ratings to derive the overall condition rating for the pavement section. To gather all relevant information, trained inspectors use automated equipment to survey the pavement section, identifying and documenting distress types and their severity. With all data collected, sections of pavement are then assigned a score between 1-100 with a higher number rating indicating better condition and lower number rating indicating more serious need for repair or replacement.

The PCI holds significance for the City of Anna in roadway management. It aids in prioritizing maintenance and rehabilitation projects based on pavement condition and available resources, as well as assists in staff allocating budgets efficiently by identifying critical areas needing immediate attention. Year-by-year, it also allows for staff to monitor the tracking of pavement performance over time and the effectiveness of maintenance interventions.

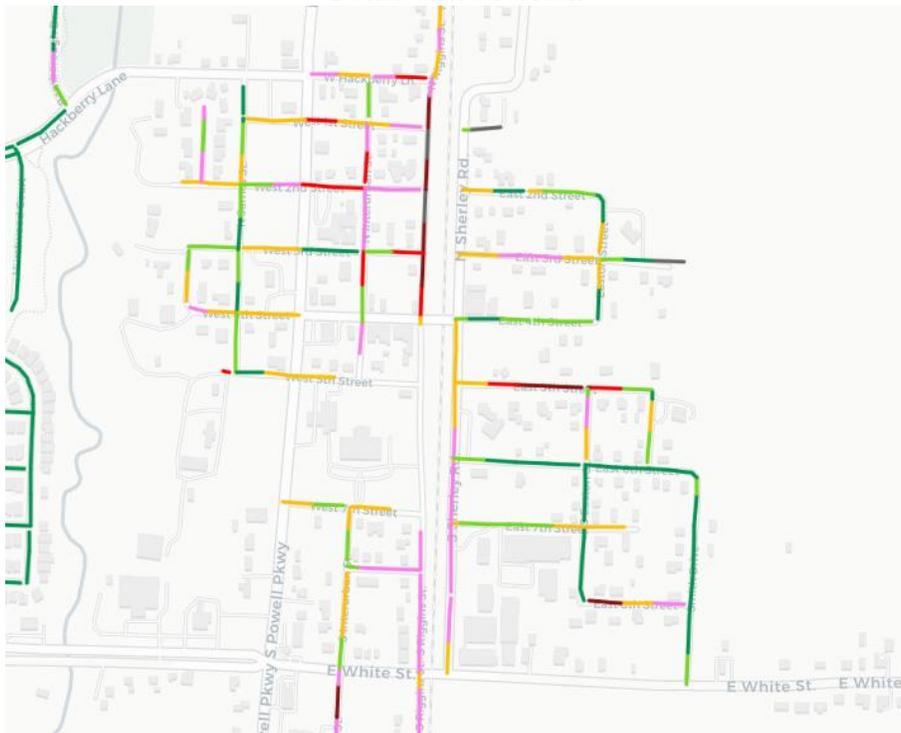
The results of the 2024 PCI are as expected. The majority of city roads score within the good condition category, delineated in green on the map below. The streets in the worst condition categories within the city, delineated in purple, red, maroon, and gray on the map are asphalt streets in downtown and rural streets the city has annexed.

The overall Anna PCI map is below, as well as a zoomed in section of the downtown. Also included are examples from Interurban of the type of information the PCI provides on each street within Anna.

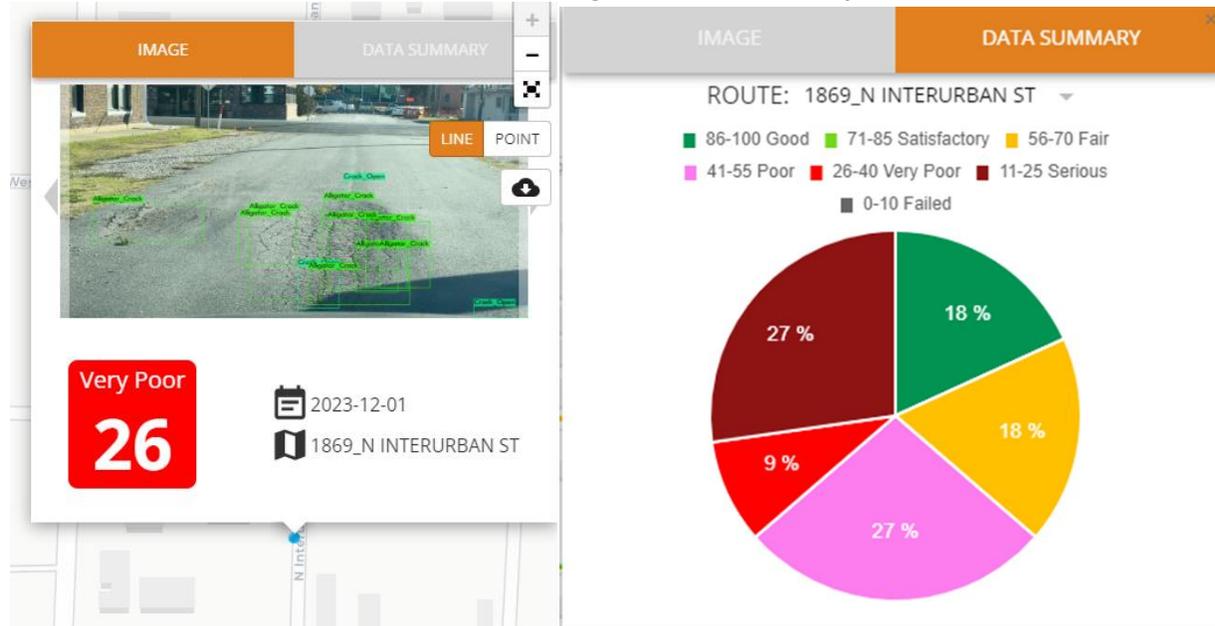
City PCI Overview



Downtown Overview



Interurban Image and Data Summary



Understanding the Pavement Condition Index is essential for effective roadway management within the City of Anna. The full PCI will be available on the city website in mid-July. Should you have any further questions or require additional clarification regarding PCI, please do not hesitate to reach out.

- c: Steven Smith, Public Works Director
Greg Peters, Assistant City Manager
Taylor Lough, Assistant City Manager
Management Team