

**PARKS AND PUBLIC
WORKS COMMITTEE
CHATTANOOGA CITY COUNCIL
June 28, 2022**

Call to Order

Councilman Isiah Hester, Committee Chair, called the meeting to order at 3:36 p.m. in the Assembly Room of the John P. Franklin, Sr. City Council Building. A quorum was present that also included Council Chairman Darrin Ledford, Vice Chair Raquetta Dotley, and Councilpersons Carol Berz, Demetrus Coonrod, Jenny Hill, Chip Henderson, Marvene Noel, and Ken Smith. Also present were Emily O'Donnell, City Attorney, and Kyana Grady Council Administrative Assistant.

Approval of Minutes

On motion of Chairman Ledford and seconded by Councilwoman Coonrod, the minutes of the last meeting (June 14, 2022) were approved as published.

Others in Attendance

Public Works: Tom Hutka, Administrator, and Bill Payne, City Engineer; Transportation: Ben Taylor, Interim Deputy Administrator of Transportation

Ordinances: First Reading 6B & 6C

There were no questions on these items; therefore, the issues were closed.

Ordinances: First Reading 6D

Mr. Taylor advised this item was recommended for denial. Vice Chair Dotley requested the additional conditions to be read at the next meeting. Upon no further questions or comments, the issue was closed.

Ordinances: First Reading 6E

Upon no questions or comments, the issues closed.

Resolutions: 7I

Upon no questions or comments, the issue was closed.

TWO-WEEK AGENDA

July 12, 2022

Resolutions – Agenda Item 7G

Upon no questions or comments, the issue was closed.

Transportation Presentation

Councilman Hester opened the floor to a presentation by Mr. Taylor regarding the City's response to pothole repairs. His presentation which covered the following topics:

- Gratitude to the Public Works Department
- Improving Our Local Infrastructure
- City Priorities
- Potholes
- Street-by-Street Review and Repairs
- Street Condition Map
- Types of Damage
- Non-City Streets
- Utilities
- Patching to Paving
- Staff Recognition

Following the presentation, questions and comments were addressed regarding the following:

- Sewer and utility trenchwork (Hill)
- Neighborhood road sinkage prevention and warranties included (Hill)
- PCI analysis and access information (Ledford)
- Increased response rate, 311 reporting (Ledford)
- Tentative timeline for Street Condition Map release

Adjournment

There being no further business, Councilman Hester adjourned the meeting at 4:00 p.m.

Attachment:
Transportation Presentation



Improve our
**Local
Infrastructure**

**WHERE WE BUILD A STRONG
FOUNDATION FOR THE FUTURE**

ONE CHATTANOOGA

CITY PRIORITIES:

1. Ensure timely, equitable, and responsive repairs to potholes and aging roads
2. Develop a strategic capital plan that includes long-term maintenance
3. Modernize our transit system and build a multimodal street network
4. Design Chattanooga for inclusive and sustainable growth
5. Expand and connect our local parks, trails, and greenways system
6. Invest in sustainable and resilient infrastructure

Pothole Program

- What we're doing:
 - All City streets inspected and potholes patched by Fall 2022
 - As of 6/20/2022:
 - 95% of all streets have been inspected
 - 90% of all potholes have been filled
 - Work orders created for issues beyond patching

Potholes will continue to occur with the freeze/thaw cycle

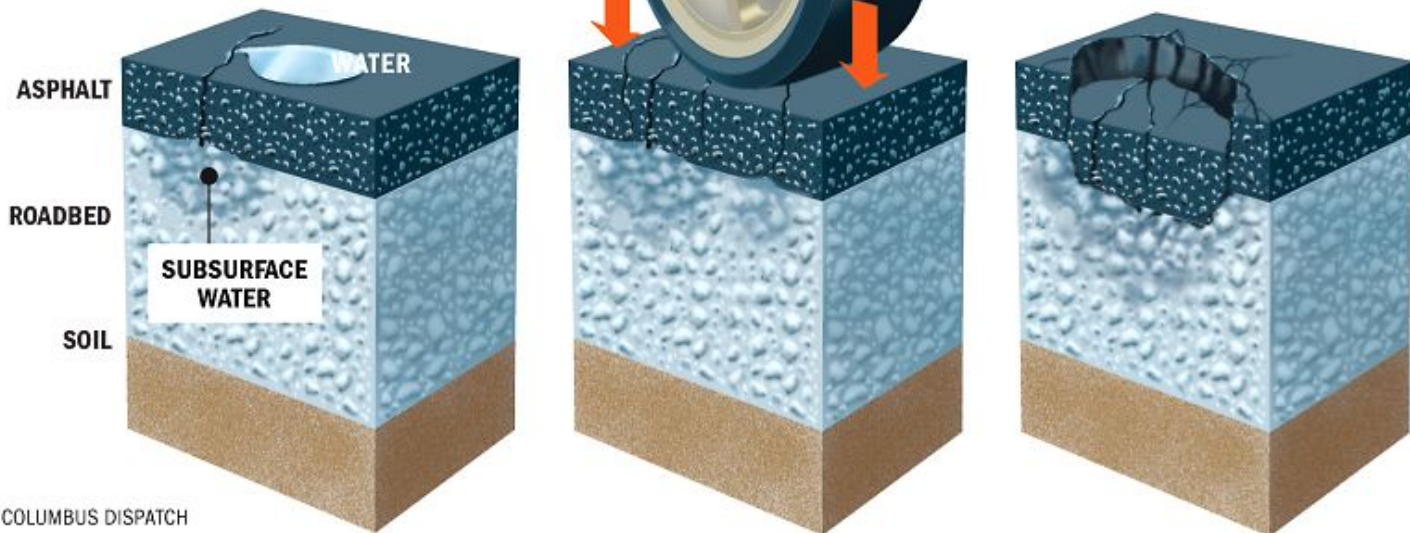
- What we're going to do:
 - Hiring a 3rd pothole crew with the FY23 budget
 - Hiring 2 more inspectors with the FY23 budget
 - Pave \$10M a year with local funds
 - Apply rejuvenator to 3 to 4 year old paving projects
 - Maintain a rebuild list to apply for Build Back Better funds

How potholes form

1 Rainwater seeps into cracks caused by heavy traffic. Low temperatures make the water freeze, expanding and deepening the cracks, and creating more fissures. The water also seeps into the rock, gravel and sand that make up the roadbed, softening it.

2 Passing vehicles create more cracks. Rain and melted snow continue to seep into the cracks. When it freezes and expands, the subsurface water lifts and weakens the road; when it melts and contracts, it leaves a cavity.

3 The roadbed continues to soften and erode, weakening the base support. Small chunks of the road break off, and more small cracks appear. Eventually, with the continued passage of vehicles, the surface breaks apart and is pushed down into the soft roadbed. The pothole is formed.





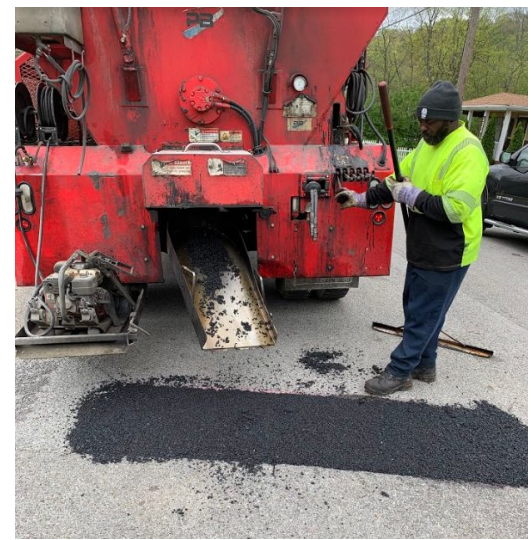
The City's full-time Pothole Inspector, Dredrick Brown.

This new position reviews roadway problems for efficient repair by a patch truck, creates work orders to address underlying issues, and will routinely monitor Chattanooga's roads to proactively preserve a state of good repair.

Daily patching with three crews

- Reassigned speed hump installation and maintenance crew using trailer
- New crew and patch truck in FY23





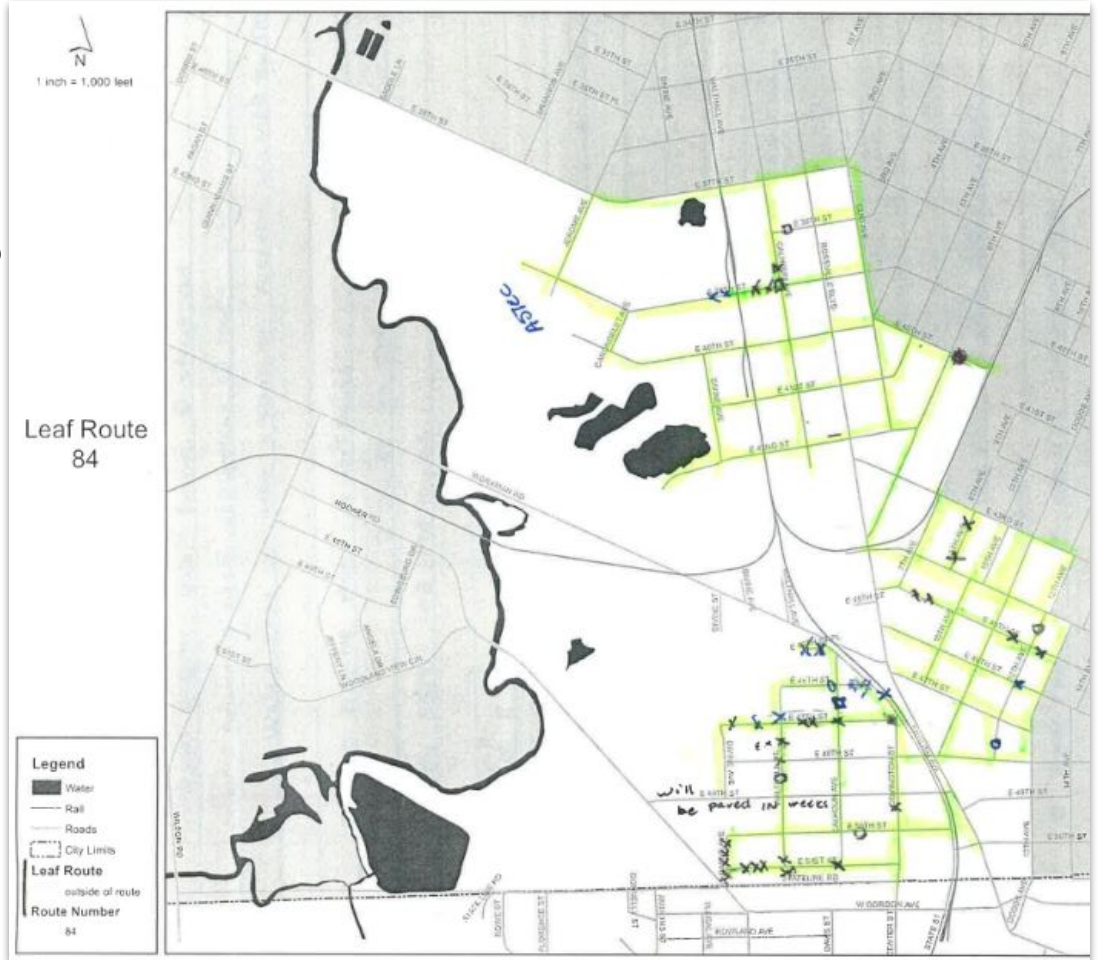
Patches installed to last

Clean - Emulsion - Hot mix - Tamp

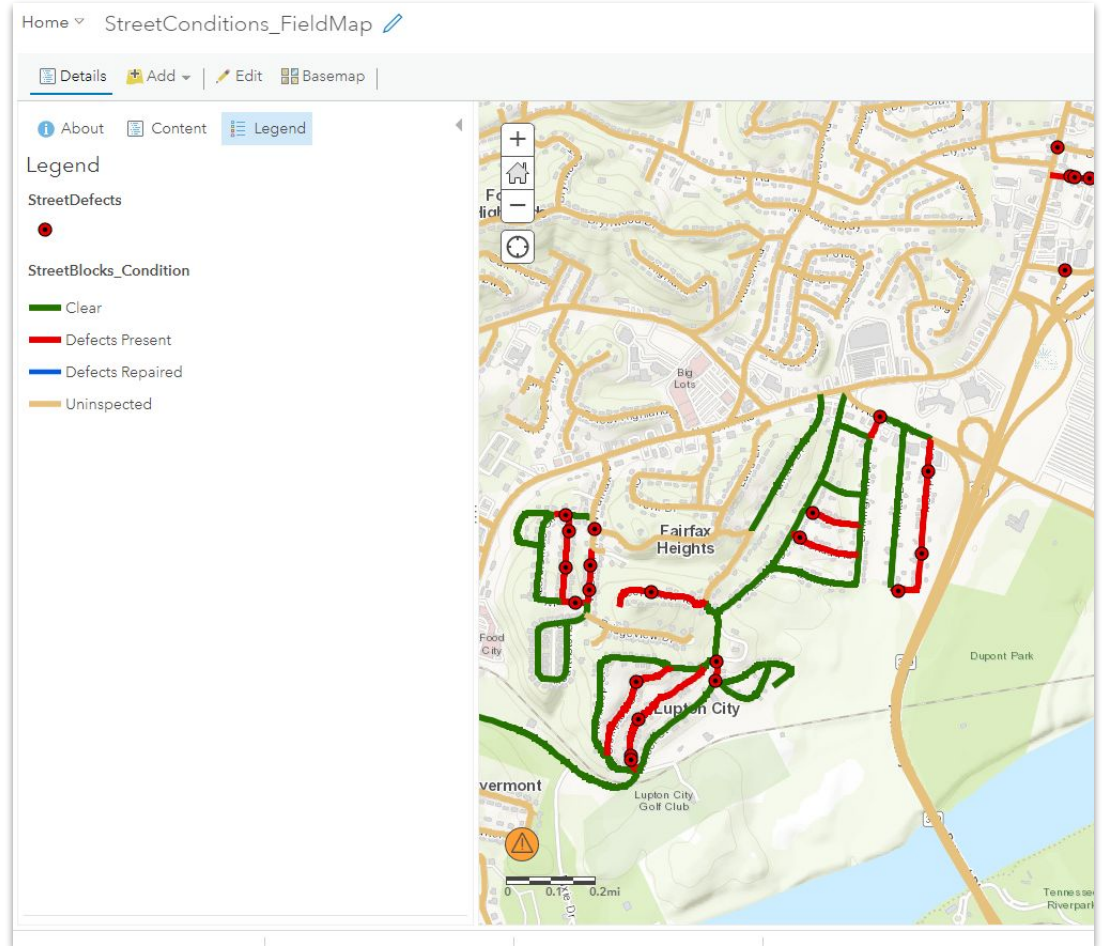
(Warm weather work as if requires the asphalt plants to be open)



Street by street review and repair following route maps



Now tracking street review and repairs with the Street Condition map



Pothole and Patch

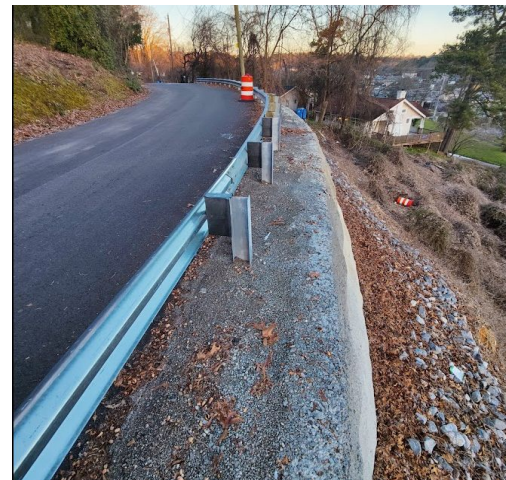




Utility
Trench
Settlement



Slope
failure





Base failure



Lack of base

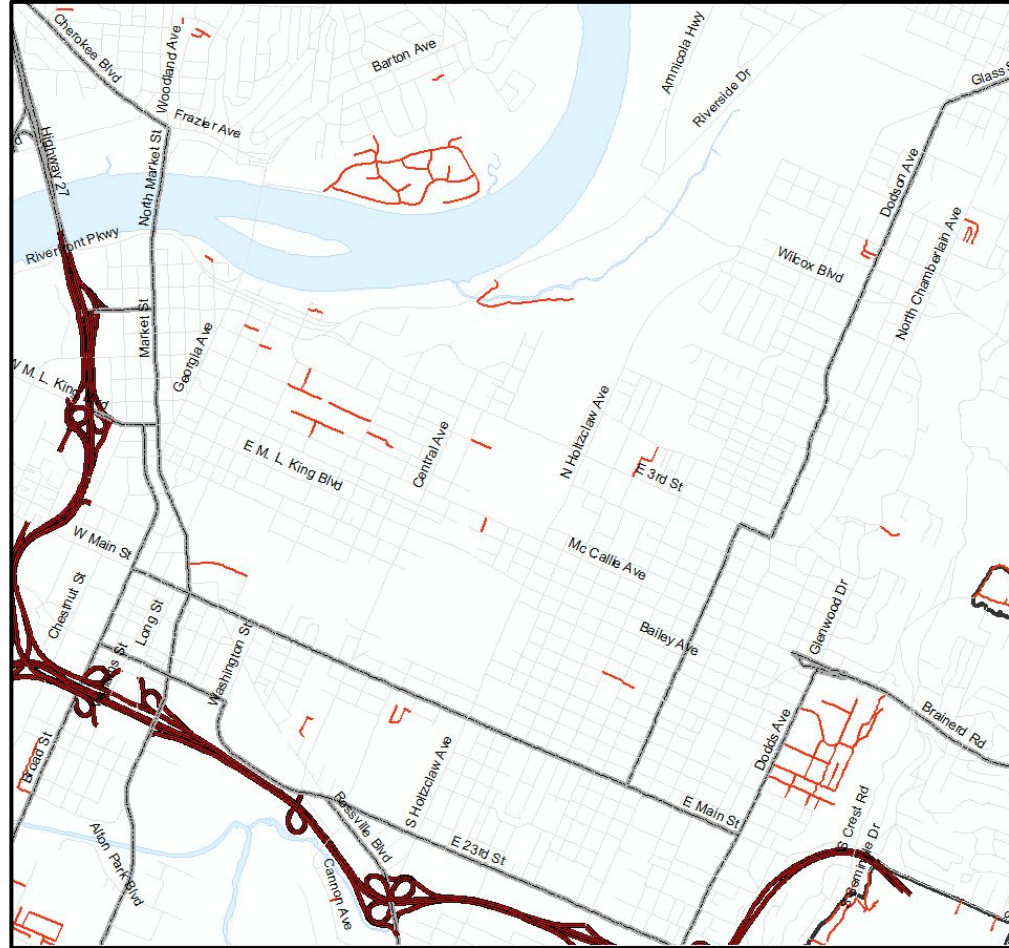


City crew street repair

- 83 Sewer trench repairs
 - City forces repair about 10 a year
- 257 Roadway repairs
 - City forces repair about 30 a year
- More with the use of grant money

Not City streets:

- State roads
- Private streets
- Parking lots
- Alleys





Utility
valves

Plated
trench



Utility
cut

Milled
flowable
fill



Utility work oversight

Going from one inspector to four (audit recommendation):

- Two staff reassignments
- Adding two inspectors FY23
- Permit process changes to cut office work by 40%





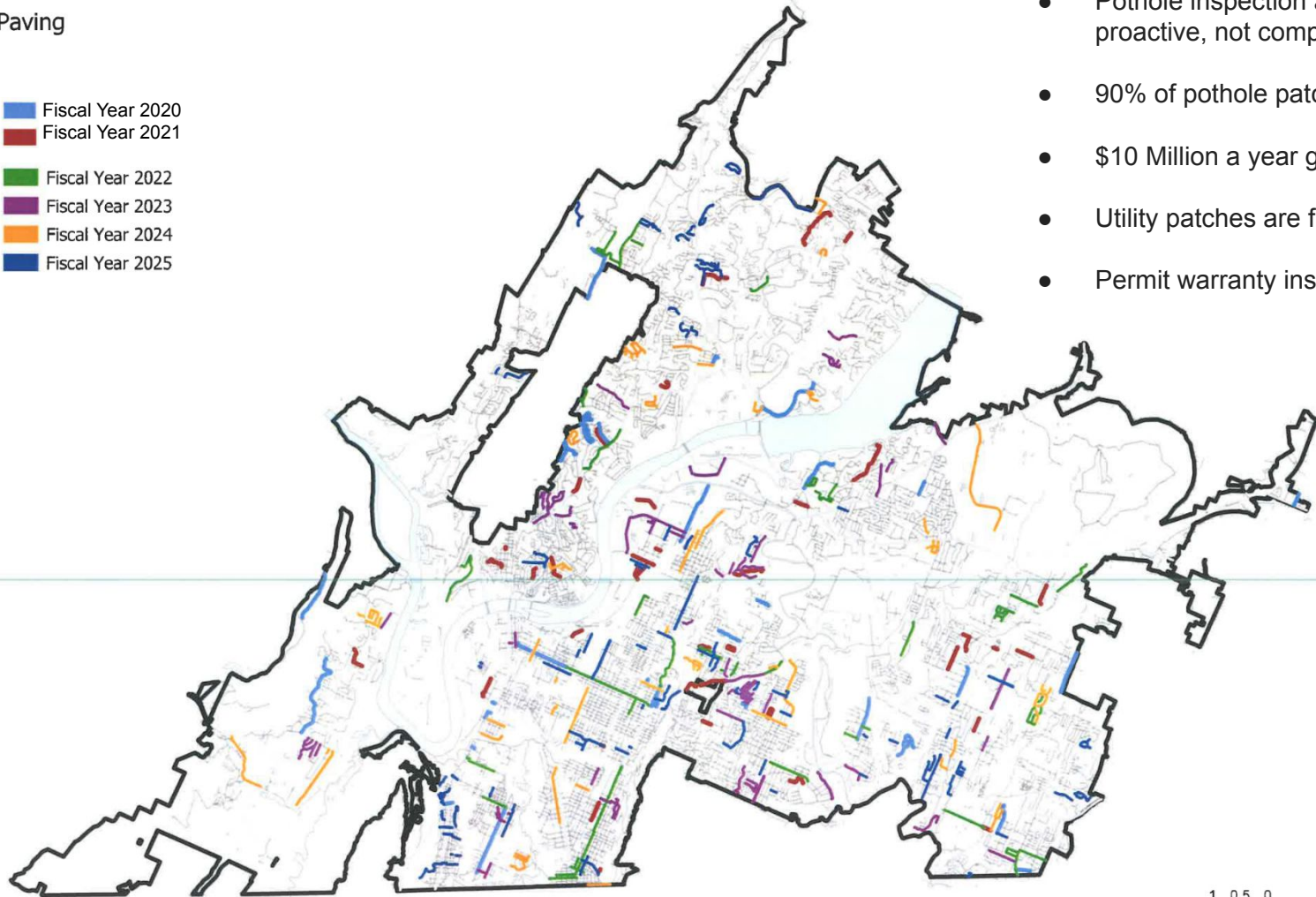
Old utility patches

New full lane utility patch

Patching to Paving



Paving



- Pothole inspection and repair now proactive, not complaint-only based
- 90% of pothole patched
- \$10 Million a year going to resurfacing
- Utility patches are full lane repairs
- Permit warranty inspections

