

Pea Ridge Public Works

Street Conditions & Distress Book

Pothole Book Example



Protected by US Patents:
10,533,864, 11,335,381, 11,460,981
and others. For a full list, contact:
(479) 422-7687



Build Your Local TEAM



interactive GIS

Asphalt Zipper

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FIRSTSTEP
PAVEMENT MANAGEMENT



YOUR LOCAL TEAM

Engineers, Consultants, Materials & Talents

Schedule Your DEMO (479) 422-7687

Team@FSPavement.com

➤ EXCELLENT

- A pavement in condition EXCELLENT is in perfect condition
- No corrective maintenance or preventive maintenance is recommended

➤ GOOD

- Preventive maintenance may be recommended
- Corrective maintenance is typically not recommended
- Pavement distress is limited to oxidation, weathering and minor climate related damage
- Structural distress (if present) is both localized and low density (<5%)

➤ FAIR

- Preventive maintenance may be recommended
- Corrective maintenance may be recommended
- A variety of pavement distresses may be present
- Structural distress may be localized as well as global
- Global Structural damage is low severity / low density

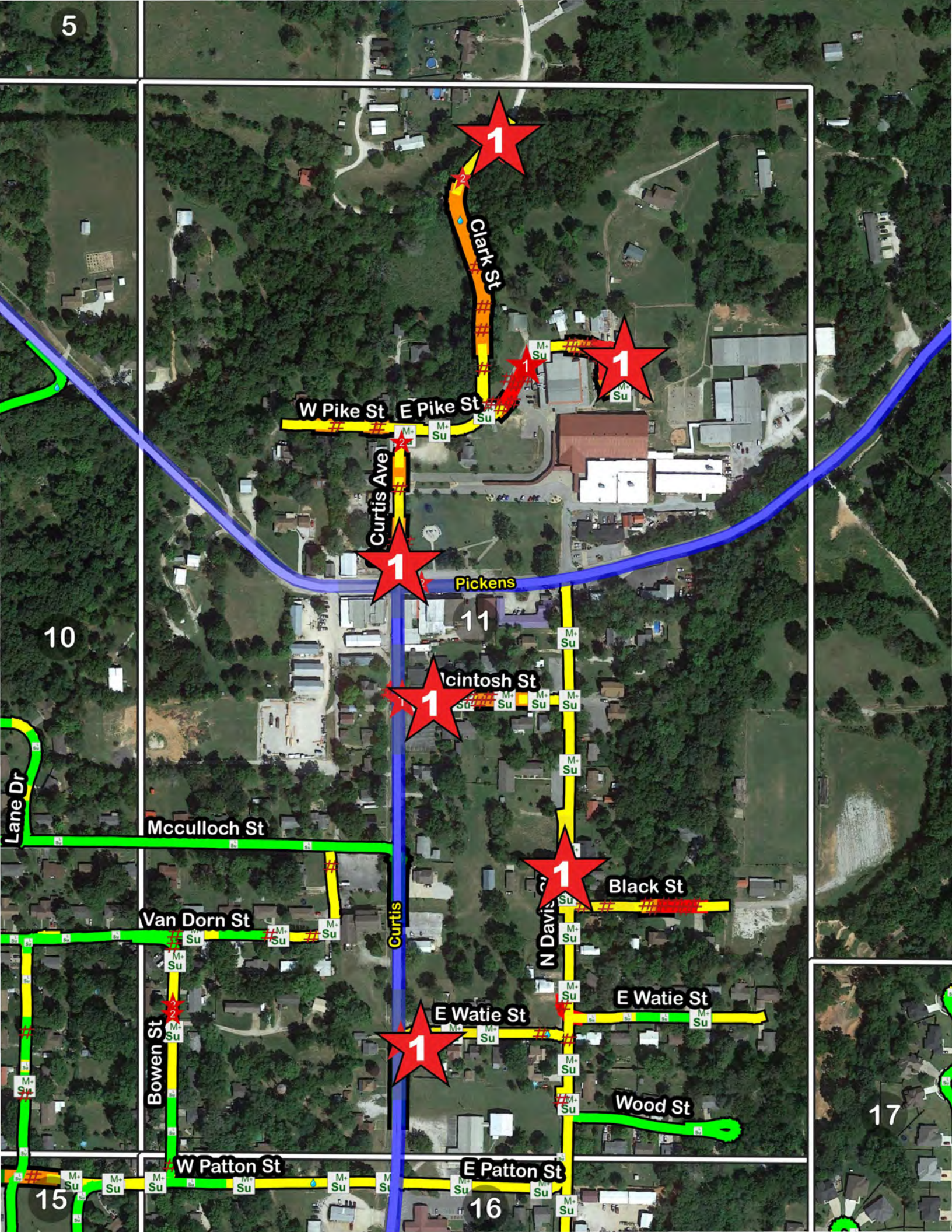
➤ CRITICAL

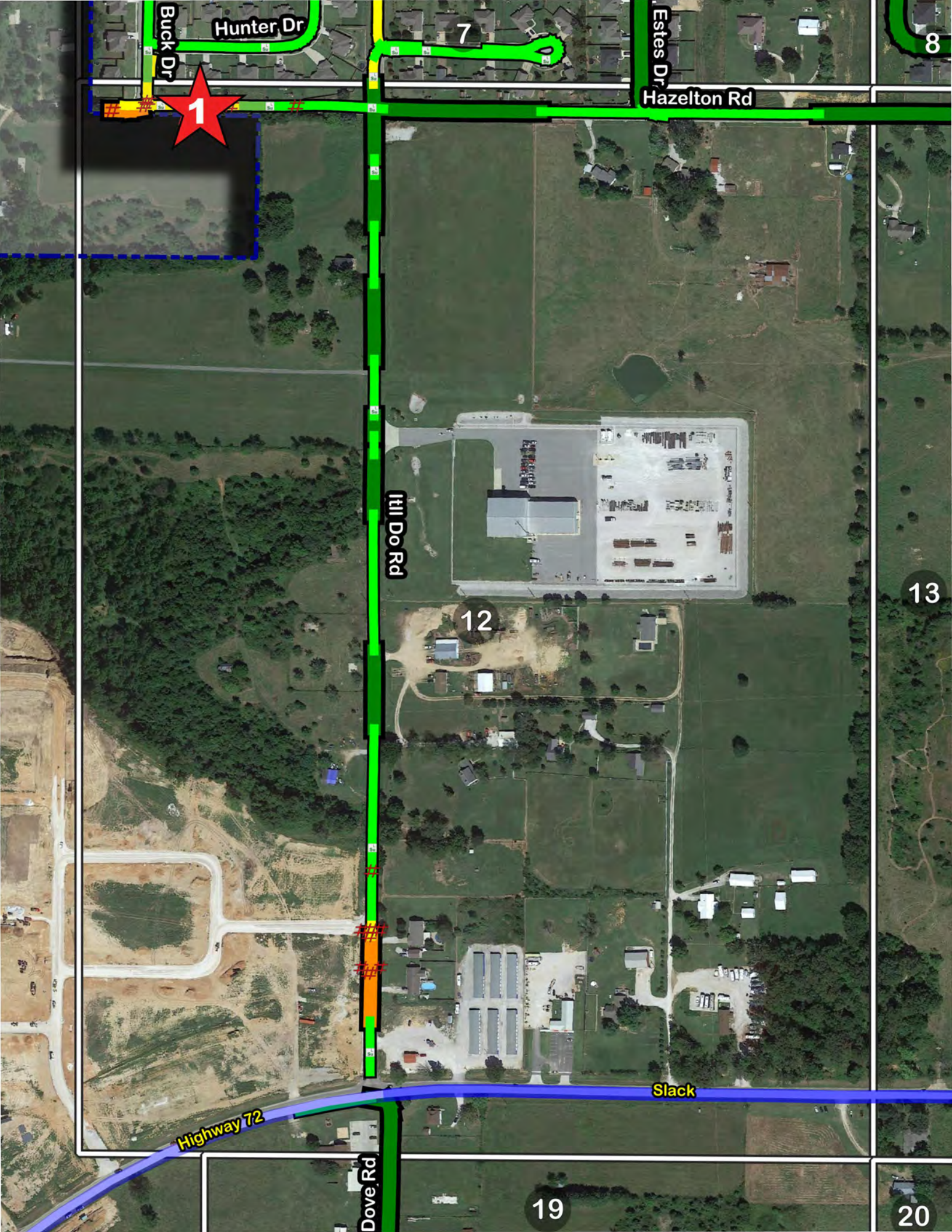
- A pavement in condition CRITICAL is likely to be LOST (and require reconstruction) within 2 years
- A variety of pavement distresses may be present
- Surface and Structural distresses are typically global in nature
- A combination of corrective and preventive maintenance may be recommended

➤ LOST

- A LOST pavement requires major M&R (Maintenance and Repair/Reconstruction)
- Shallow, Deep, and/or Full-Depth Reconstruction may be recommended

-  - Surface Distress – Low Density  - Surface Distress – Medium to High Density
 - Climate (non-structural) related distress including:
Surface Cracking, Longitudinal and Transverse Cracking, Block Cracking, Edge Cracking
Severe Weathering, Raveling, Bleeding, Scaling (PCC), Durability Cracking (PCC)
-  - Structural Distress and  - Mass Structural Distress
 - Evidence of structural/durability distress present
 - Depth of structural damage (shallow, deep) is not indicated
 - Distresses include Alligator Cracking, Rutting (High Severity), Depression (High Severity), Utility Cuts
-  - Pothole 01 and  - Pothole 02
 - Observed Pothole 01 is of higher importance than observed Pothole 02
 - Pothole 01 is a Major Pothole and is typically structural in nature
 - Pothole 02 is a minor pothole and may consist of edge conditions / small popouts
-  - Drainage / Water Issue
 - Observed drainage issues present on the pavement surface – may be a variety of causes
-  - Surface
 - Observed Surface issues present on the pavement surface – may be a variety of causes





Buck Dr

Hunter Dr

7

Estes Dr

Hazelton Rd

8



Itll Do Rd

12

13

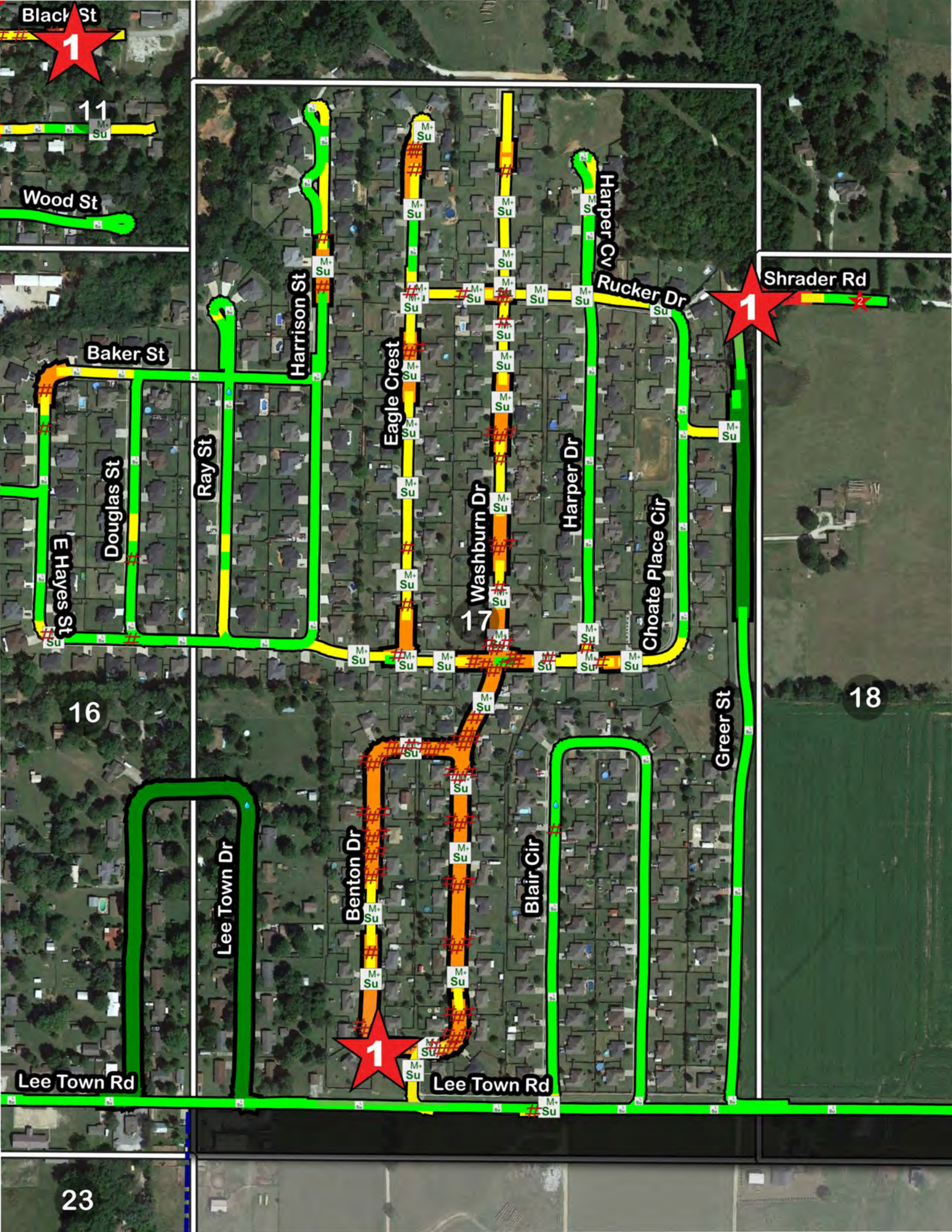
Slack

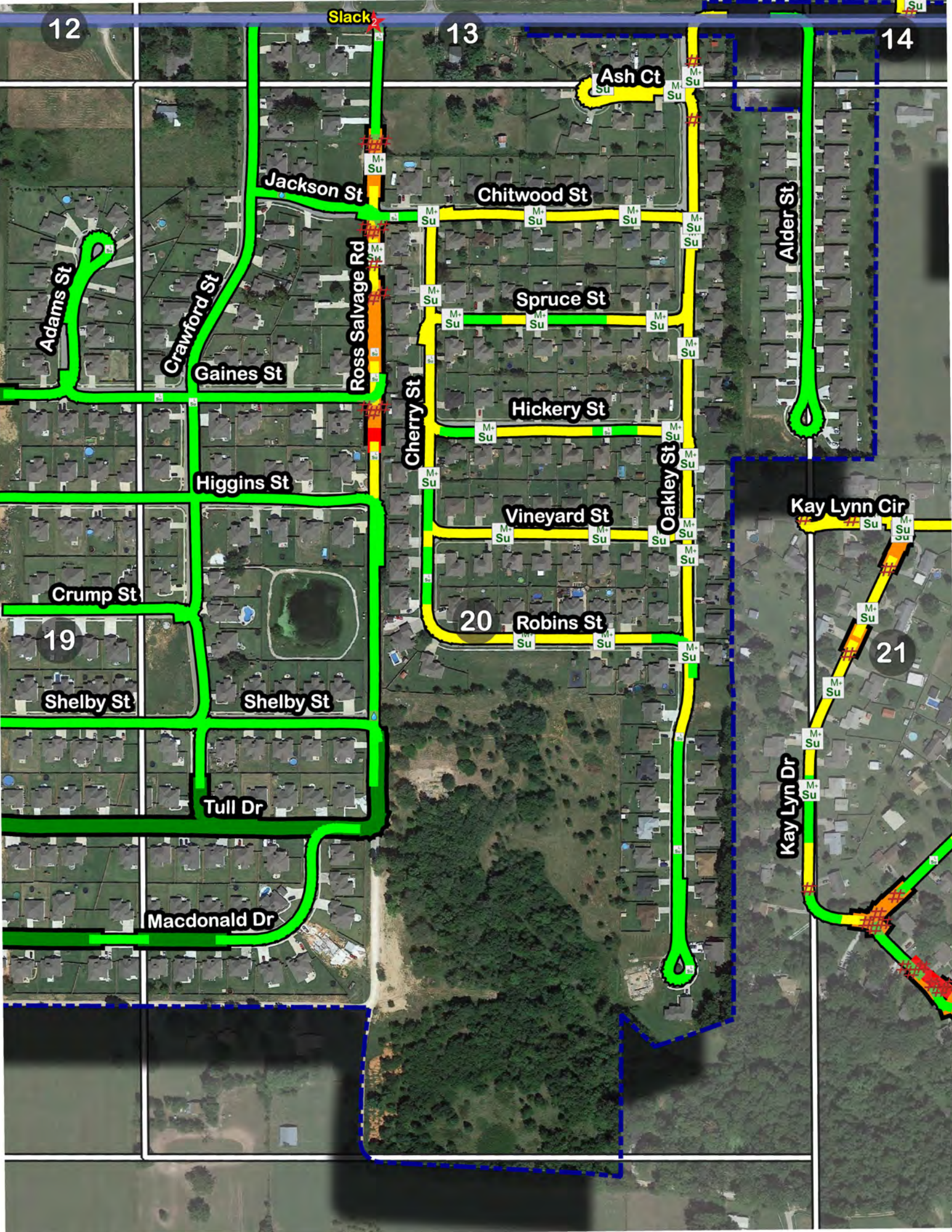
Highway 72

Dove Rd

19

20







City of Pea Ridge
Street Department

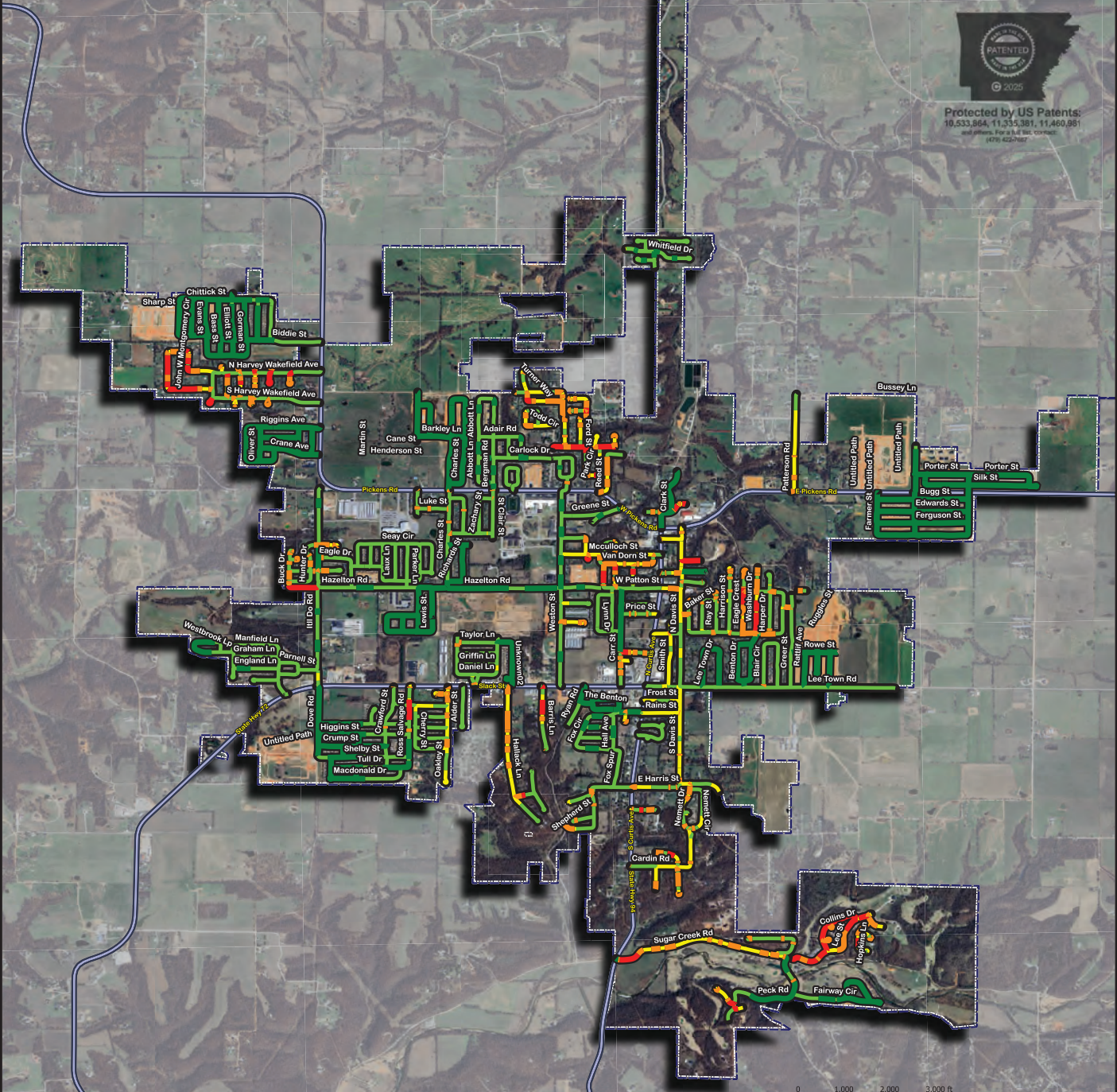
2025

2025 Street Conditions

Monte Keene
Street
Superintendent

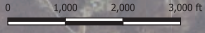


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FIRSTSTEP
CONDITION LINES

EXCELLENT Excellent in Perfect Condition No Obvious Pavement Maintenance	
GOOD Minor Damage - Minimal Issues Pavement Maintenance (Minor) Limited Structural Damage	
FAIR Increased Density of Surface Damage Visible & Localized Damage Pavement Maintenance	
CRITICAL High Density of Surface Damage Global Surface Structural Damage Basic Construction / Pavement Maintenance	
LOST Total Pavement Failure / Unusable Full Depth Reconstruction / Replacement Complete Reconstruction	
STATE / FEDERAL Independent State / Federal Road	



FIRSTSTEP
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Simple Workable Technology
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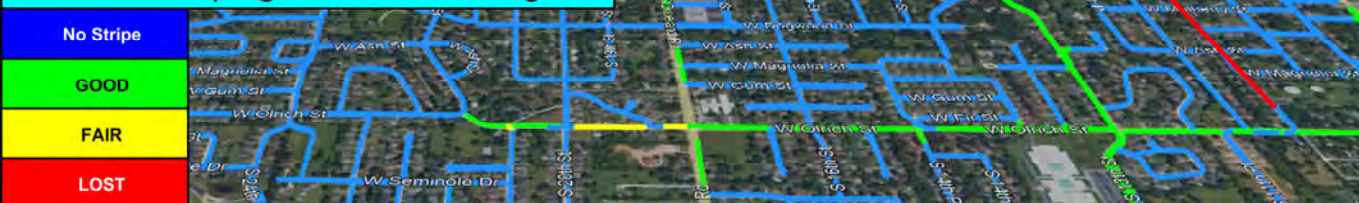
Street Sign & Streetlight Inventory



Sidewalk Inventory & Conditions



Street Striping & Street Markings



Code Compliance & Urban Blight



Curb & Gutter Inventory and Conditions



Storm Sewer & Sanitary Sewer Inventory & Conditions



On Demand 360-Degree Videos



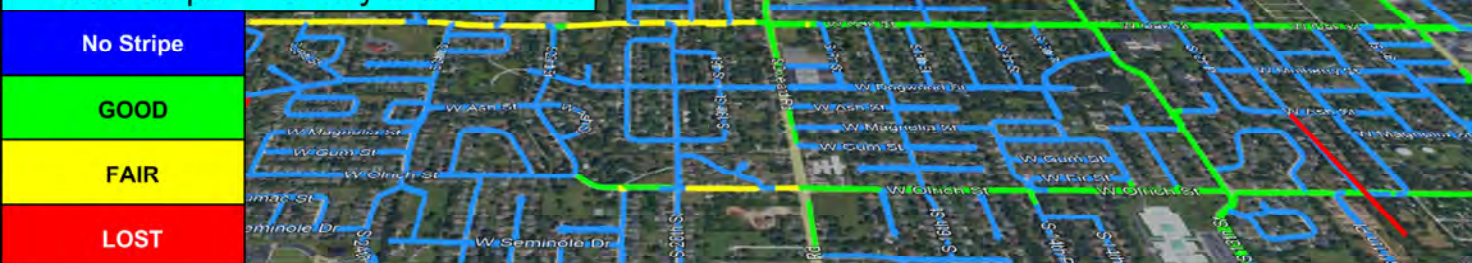
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Road Stripe Inventory & Conditions



Inlet & Culvert Inventory & Conditions



Road Sign Initial Inventory



Sidewalk Inventory & Distress



Curb & Gutter, Ditch Inventory & Distress



Special Hazards, Trash, Dump, Tire Piles



On-Demand 360-Degree Video Assessments

On-Demand

FIRSTSTEP
PAVEMENT MANAGEMENT



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YOUR Data-Based Decisions.
YOUR Pavement Management Plan.

FIRSTSTEP
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Dynamic Segmentation of YOUR Road Conditions



Complete Set of YOUR Data
Build YOUR Local Team

\$100 per Mile!



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