

CITY OF SALEM



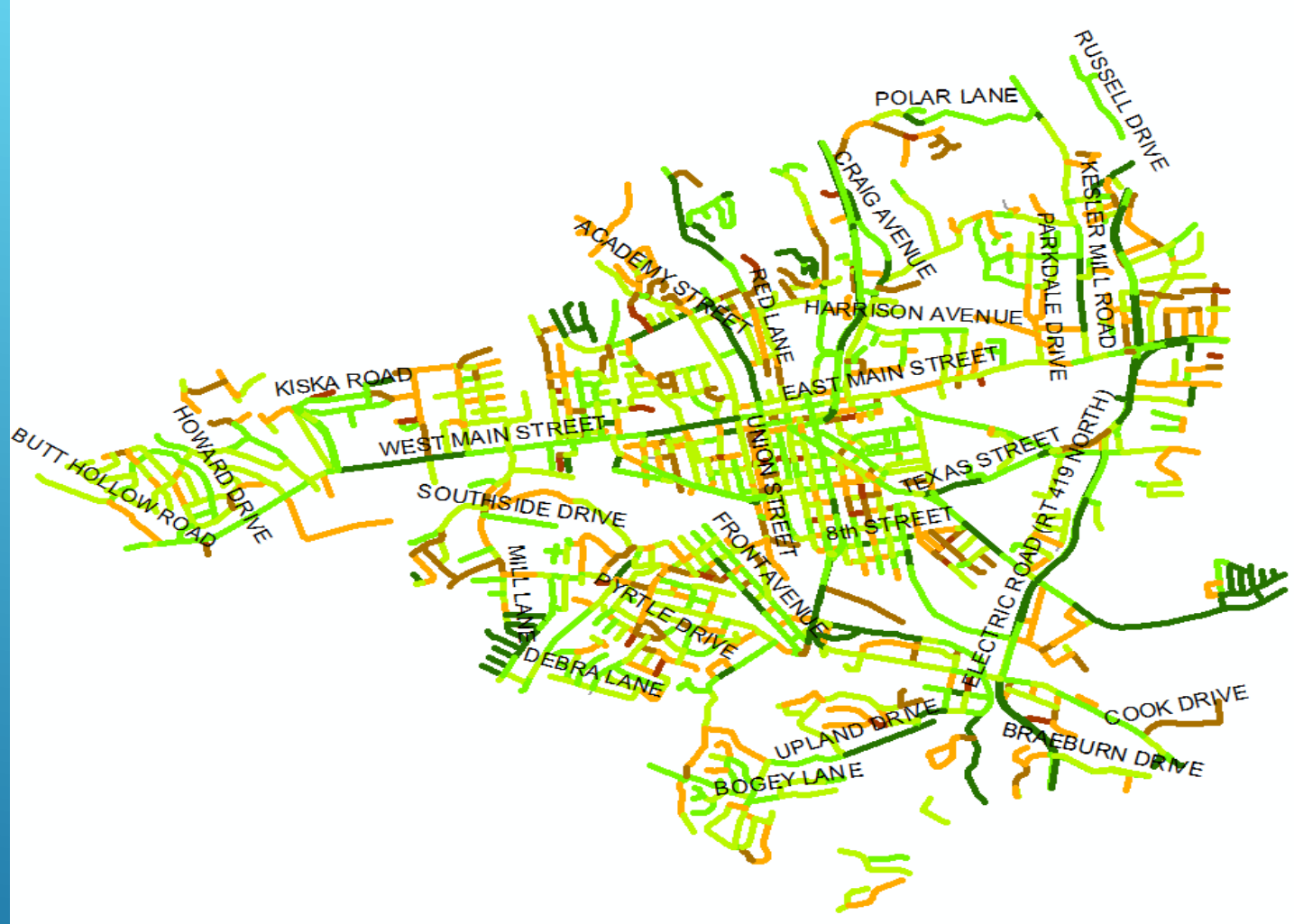
Paving Maintenance Program

- ▶ Population: 25,862 (2017)
- ▶ Size: 14.5 sq. miles
- ▶ Lane Miles:
 - ▶ Primary: 67.5 miles
 - ▶ Secondary: 272 miles
 - ▶ Alleys: 12 miles

CITY OF SALEM STATISTICS

- ▶ Roads have been surveyed by Enterprise Information Solutions, Inc.
- ▶ Eroads – runs on ArcMap
- ▶ All roads rated on scale 1-100
- ▶ Ratings based on multiple factors:
 - ▶ Distress (cracking, rutting, laminating, etc.)
 - ▶ Age
 - ▶ Traffic Counts
- ▶ Allows for analysis of roads

PAVING MANAGEMENT SOFTWARE



CITY MAP - PCI

- ▶ Analysis run in software program
 - ▶ Will give report on roads in need of repair and method
 - ▶ Analysis can be run on several factors
 - ▶ PCI
 - ▶ Budget
- ▶ Once report is generated, field inspect all roads on list
- ▶ Heavy emphasis placed on report – impartial
- ▶ Considerations given to citizen and political input

ROAD SELECTION CRITERIA

- ▶ Crack Sealing
- ▶ Microsurface/Slurry Seal
- ▶ Overlay
- ▶ Mill and Fill
- ▶ Full Depth Replacement
- ▶ Hot In-Place Recycling

AVAILABLE METHODS

- ▶ Distresses determine what methods are used
 - ▶ Higher distresses require more advanced methods (FDR, deep mills, etc)
 - ▶ Lower distresses require less work (crack seal, micro, etc).
- ▶ Type of asphalt used depends on volumes
 - ▶ Also can depend on location (tie-ins to surrounding localities)

MATERIAL & METHOD SELECTION

- ▶ Preliminary road list is sent to all utility departments and companies for review
- ▶ Once finalized, list approved by City Engineer and put out to bid
- ▶ Recently started utilizing two (2) year contracts

FINAL STEPS

- ▶ City of Salem maintains all roads within city limits
- ▶ All funding comes from State Maintenance Money
- ▶ Budget varies based on many factors
- ▶ Little to no local money used

FUNDING SOURCE

- ▶ Budget – Small City = Smaller budgets
- ▶ Quantities – Smaller budgets = lower amount of work
- ▶ Contractor Availability – Few bidders
- ▶ Location – Limits methods
- ▶ Local politics – Can be as bad or worse as big cities

LIMITATIONS

▶ Contact Info:

▶ Will Simpson, City Engineer

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QUESTIONS?

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