

City of Roseville Pavement Preservation

Presented by:
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City of Roseville



City of Roseville

Who Are We?



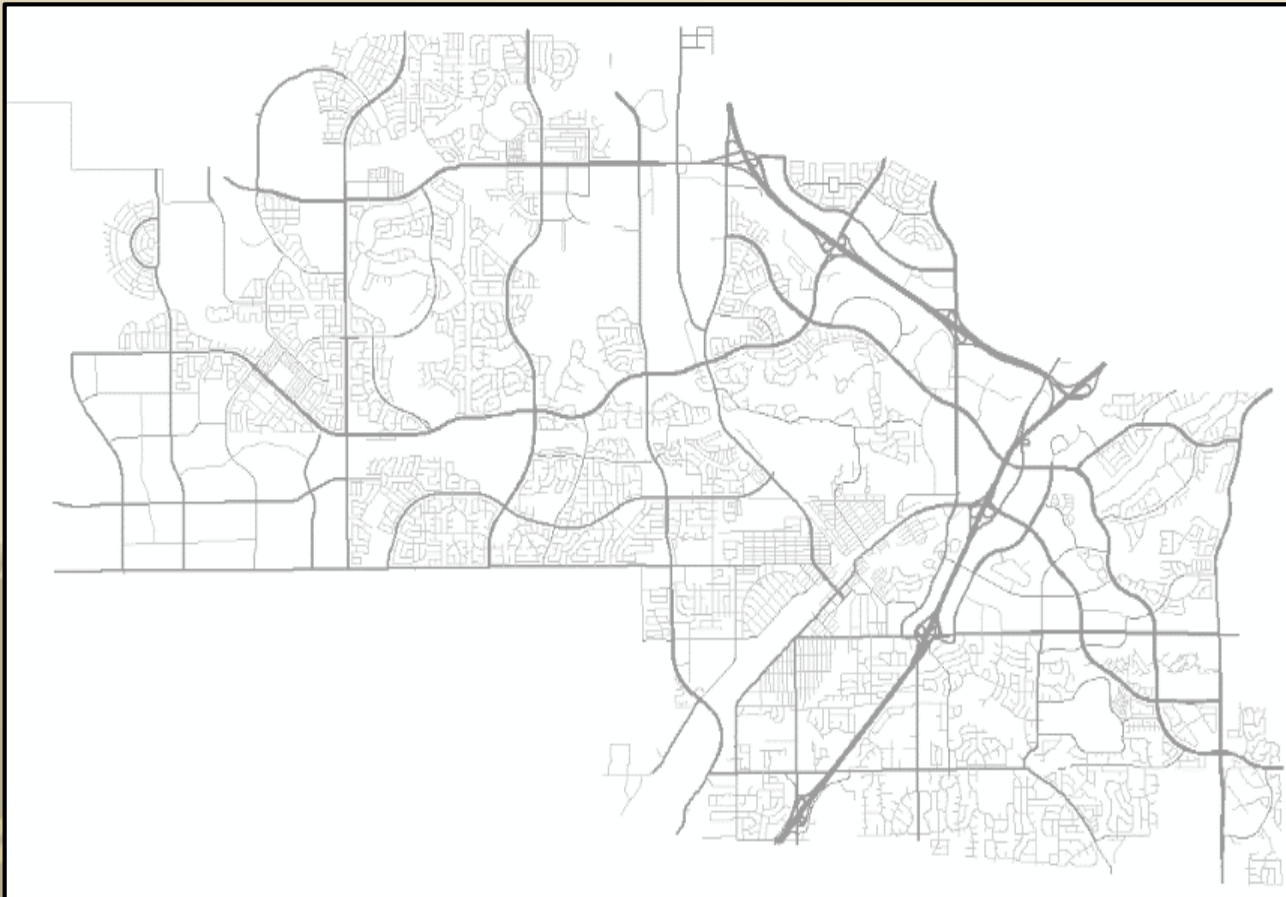
Incorporation: April 10, 1909

Full Service City

- **Located 15 miles northeast of Sacramento**
- **Population 132,000 - Jobs center of Placer County**
- **Daytime population rapidly approaching 200,000**
- **Encompasses 42 square miles**
- **65 Public Parks**
- **Police / Fire**
- **Libraries**
- **Municipally-owned Utilities**

City of Roseville

Who Are We?



Centerline Miles: 595

Arterial 132

Collector 51

Residential 412

Temperature Averages (in degrees Fahrenheit)					
	Average High	Average Low	Record High	Record Low	Average Rainfall (inches)
January	54°	39°	73°	17°	4.46"
April	72°	47°	94°	30°	1.84"
July	95°	61°	115°	50°	0.11"
October	79°	53°	102°	32°	1.32"

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Pavement Maintenance Goals

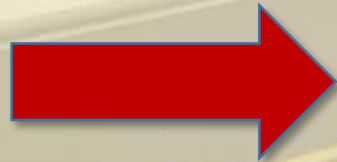
Provide SAFE and ATTRACTIVE road conditions in keeping with an overall Pavement Quality Rating:

- 72 for Arterial & Collector
- 65 for Residential



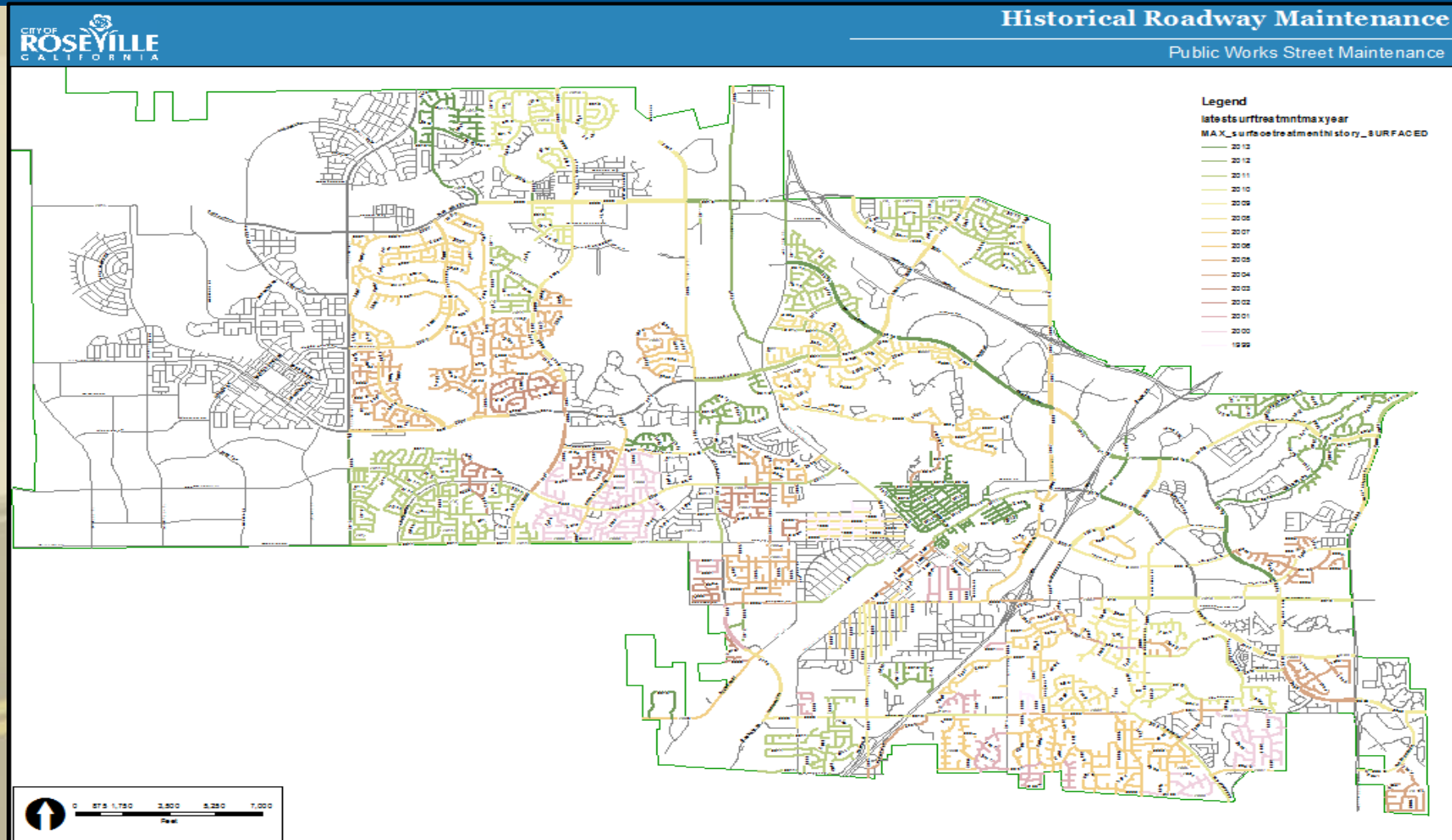
City of Roseville Pavement Maintenance Goals

Preserve and maintain existing streets by using most economical & advanced resurfacing treatments to avoid this.....



Seal the good roads first!

City of Roseville 16 years resurfacing



City of Roseville

Pavement Maintenance Funding

Current Budget = \$4.6 Million

Needed Budget = \$8 to \$9 million

Funding	Source
\$ 1.1M	Gas Tax
\$1.7M	Utility Impact Reimbursement (UIR)
\$700K	Regional Surface Transportation Plan (RSTP)
\$1.0M	Transportation Development Act (TDA)
\$4.6M	Annual Resurfacing Funding

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Pavement Maintenance Toolbox



- **Slurry Seals (5-10 yrs.)**
 - Type I & Type II
- **Microsurface (5-10 yrs.)**
- **Cape Seal (10-15 yrs.)**
 - Residential / Arterial
- **Double Chip Seals (10-15 yrs)**
- **Chip Seal over Fabric**
- **Full Depth Recycling (FDR)**
- **Bonded Wearing Course (10-15 yrs)**
- **Hot Mix Asphalt Overlay (HMA) (10-15 yrs)**
- **HMA over fabric (10-15 yrs)**
- **Rubberized Hot Mix Asphalt Overlay (RHMA)**
- **Roller Compacted Concrete (RCC)**

City of Roseville Toolbox Success



- **Rubber Cape Seal (10-15 yrs)**
 - 1/2 Rubber Chip
 - Type II Slurry or Micro
- **Microsurface**
 - Residential / Arterial
- **Bonded Wearing Course (10-15 yrs)**

City of Roseville Cape Seal (Rubber)

Cape seal - single chip seal with a type II slurry seal or micro



City of Roseville Cape Seal (Rubber)



Cost: \$0.68 per Square Foot

Specification: PMAR 3/8" or 1/2" Aggregate with Type II slurry or micro surface

City of Roseville Cape Seal (Rubber)



City of Roseville

Microsurfacing Type II



Microsurfacing on Arterial Street
Cost: \$.39 per Square Foot

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Microsurface Type II - Arterial Street



City of Roseville Bonded Wearing Course

Cost: \$1.50 per Square Foot

Specification: HMA or RMHA



City of Roseville Bonded Wearing Course



City of Roseville Pavement Preservation

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