

TOWN OF PARADISE VALLEY

Pavement Management: Preserving The Town's Roadways



Purpose of Presentation

- Award a Pavement Preservation Maintenance Unit Pricing Contract
- Approval of Annual Pavement Preservation Project
- Maintenance District 2, 4, 14 & Mockingbird Lane
- Tatum Boulevard Resurfacing Project
- Program Schedule
- Project Cost Summary
- Questions



Pavement Preservation Maintenance Unit Pricing Contract

- ❑ Obtain unit pricing for the Town's annual pavement preservation projects and associated concrete work
- ❑ Includes unit pricing for rubberized asphalt on Tatum Boulevard and Lincoln Drive
- ❑ Recommending a 3 year contract with the option to extend for up to two (2) additional terms of one (1) year each
- ❑ Benefits of a multi-year, annual maintenance contract:
 - ❑ Pricing – Unit costs are 16% lower than previously used unit pricing contract
 - ❑ Gives Staff the ability to retain one contractor to apply surface treatments and complete concrete flatwork projects
 - ❑ Ensures a mutual understanding regarding quality requirements, materials and expected time frames
 - ❑ Reduce Staff time in procuring street related projects on an individual basis



Pavement Preservation Maintenance Unit Pricing Contract

- January 5th, 2018: Staff advertised an Invitation for Bid (IFB) for a pavement preservation maintenance unit pricing contract (various surface seals, asphalt mill & inlay, and concrete flat work)
- January 24th, 2018: Six sealed bids were received
- The bid tally costs represent the average quantities needed in three (3) maintenance districts as well as pricing for rubberized asphalt on Lincoln Drive and Tatum Boulevard



Pavement Preservation Maintenance Unit Pricing Contract

- The results from the six bids received are below:

Company	Bid Price
MR Tanner	\$1,368,000.00
Sunland Asphalt	\$1,555,627.00
Cactus Asphalt	\$1,581,122.25
Regional	\$1,596,588.67
Nesbitt	\$1,670,725.00
Pave Co	\$1,773,136.00

- M.R. Tanner is lowest responsive bidder for the Pavement Maintenance Unit Pricing Contract
- M.R. Tanner provides excellent customer service.
- Staff recommends Council to award the Pavement Preservation Maintenance Unit Pricing Contract to M.R. Tanner



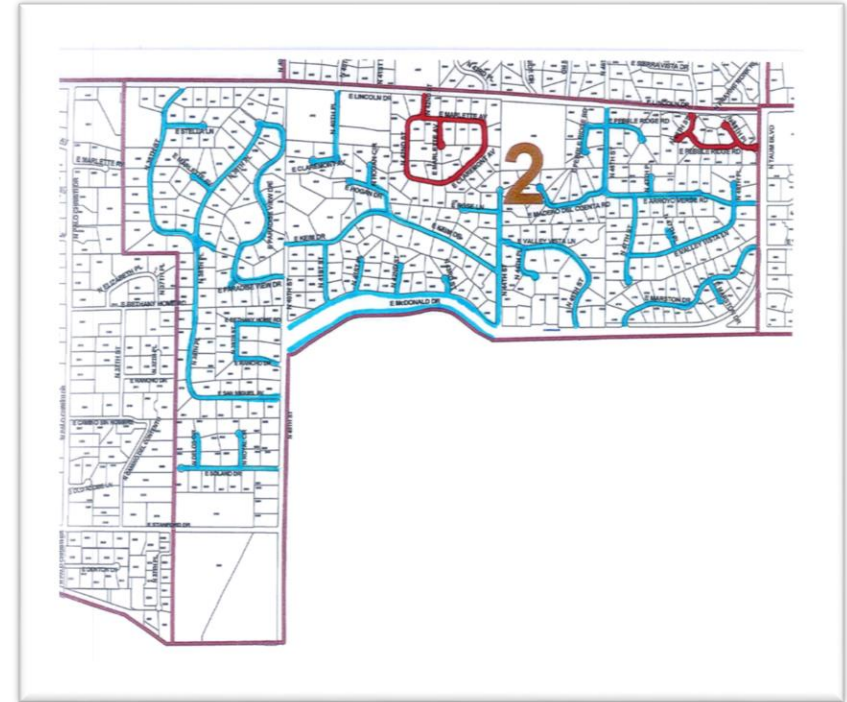
FY 17/18 Pavement Preservation Project



Maintenance Districts 2, 4, 14, Mockingbird Lane and Tatum Blvd.



Maintenance District #2

- ❑ **Maintenance District #2:** 7.8 linear miles of streets with an average Pavement Condition Index (PCI) rating of 57
- ❑ **Recommendation:** The streets in this district require a full mill and 1½ asphalt overlay
- ❑ **Boundaries:** Lincoln Drive south to Stanford Drive & Tatum Blvd west to 38th St.

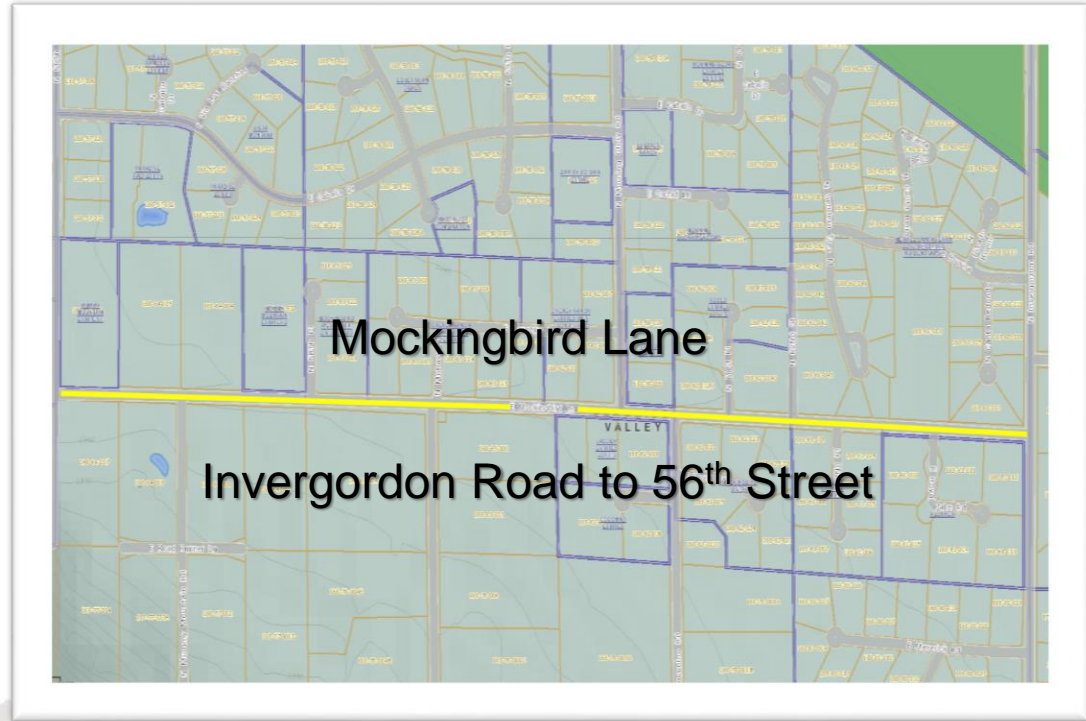


-  Streets Receiving a Mill & Overlay
-  Private Roads the Town Does Not Maintain



Mockingbird Lane

- ❑ **Mockingbird Lane:** 1 mile of Mockingbird Lane has a PCI rating of 61
- ❑ **Recommendation:** This segment of Mockingbird Lane requires a crack seal and application of high density mineral bond PMM surface treatment
- ❑ **Boundaries:** Invergordon Road west to 56th Street



Tatum Boulevard

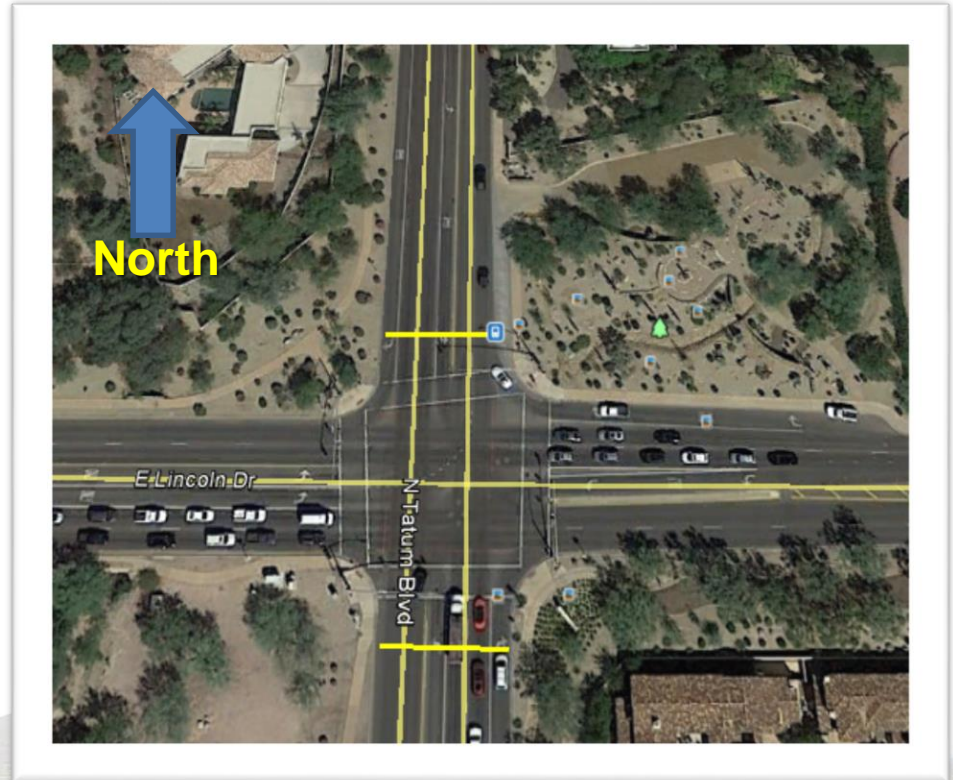
- ❑ **Staff recommends a full mill and 1 ½ rubberized asphalt overlay**
 - ❑ Ramm Engineering performed a pavement analysis study in July 2017 to evaluate the condition of Tatum Blvd.
 - ❑ 21 core samples were taken at various locations
 - ❑ Asphalt thickness ranges from 5 ½ to 7 ¾ inches thick
 - ❑ Recommending a 1 ½ inch full mill and rubberized asphalt overlay

- ❑ **American Disability's Act (ADA) curb ramp modifications**
 - ❑ U.S. Department of Justice & U.S. Department of Transportation require ADA ramps updated to the new specifications
 - ❑ Staff will update 61 ADA ramps on Tatum Blvd prior to the asphalt mill & overlay project



Coordination With Community Development & Utility Companies

- ❑ Communicated with Community Development on the Visually Significant Corridor Project
- ❑ In anticipation of the project, staff held quarterly meetings with utility companies to discuss their future projects that would affect the mill & overlay project



FY17/18 Asphalt Overlay & Surface Seal Schedule

- Crack seal in Maintenance District 14 & Mockingbird Lane:**
 - Begin April 2018
 - Estimated completion May 2018
- Application of surface seal for Maintenance District 14 & Mockingbird:**
 - Begin April 2018
 - Estimated completion May 2018
- Maintenance District 2:**
 - Begin mill and asphalt overlay on April 2018
 - Estimated completion June 2018
- South eastern portion of Maintenance District 4:**
 - Begin mill and asphalt overlay in mid-June 2018
 - Estimated completion June 2018.



FY17/18 Tatum Boulevard Resurfacing Project

ADA curb ramp updates:

- Start in April 2018
- Estimated completion by the end of April 2018

Pre-lower manholes and hand valves:

- Start in April 2018
- Estimated completion by the end May 2018

Mill, rubberized asphalt overlay, and temporary striping:

- Start in May 2018
- Estimated completion by the end of May 2018

Manhole, hand valve adjustments and permanent striping:

- Start in the end of May 2018
- Estimated completion by the end of June 2018



FY17/18 Costs Summary

- Cost for Mill & Asphalt Overlay: \$1,343,887.90
- Cost for Crack Seal & PMM: \$351,574.68
- Cost for Tatum Blvd Mill & Rubberized Overlay: \$1,621,100.90
- Total Combined Project Cost = \$3,316,564.00
- FY17/18 Pavement Management Budget = \$3,317,000.00



Questions?

