



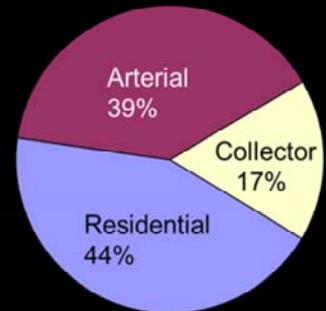
# Regional Local Road Repair Program

August 2017



## Some information about Sahuarita...

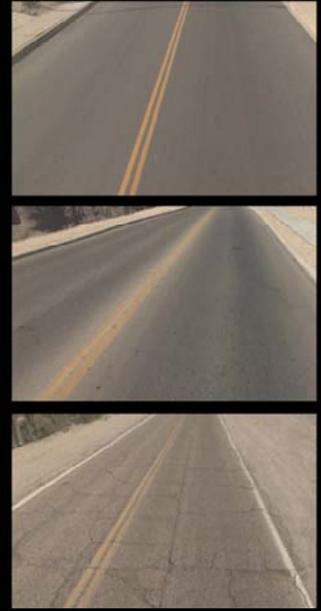
- Sahuarita's roads range in age from over 55 years old to new.
- The roads fall into 3 main categories – arterials, collectors and residential.
- Approximately 309 LANE MILES or 111 MILES of roads.



- Linear miles are a straight measure along the center line of a road (however, roads have varying widths).
- Lane miles are measured along the center line of each lane - this is a better measure of the amount of surface area to maintain.

## Road Ratings

- The Town utilizes the PASER (PAVement Surface Evaluation and Rating) system to evaluate the condition of roads.
- PASER is a rating system based on the surface conditions (roughness, potholes, etc.) as described in the manual developed by the University of Wisconsin.
- The region uses a special van which determines road conditions on the Arterial and Collector network, roughly every two years (the most recent van survey and update for Sahuarita was completed in 2016).
- Local roads are evaluated by a physical survey of the road condition.
- Pavement ratings are available for 100% of the Town's arterial and collector roads. The Town will have compiled rating data for 100% of the Town's residential roads by the end of this year.



TOWN OF  
**Sahuarita**

## Existing Pavement Preservation Efforts

- The Town budgets for approximately \$350,000 in pavement preservation each year which is broken into two rounds of pavement preservation programs.
- In the fall the Town focuses on residential streets with arterial and collector streets being the primary focus of the spring program.
- The Town's pavement preservation program is designed to include not only those roads in the worst condition, but to ensure roads in good condition do not deteriorate.
- Each year approximately 25% of the pavement preservation budget is spent on roads in the "poor" category with treatments designed to bring them at least into a "fair" rating. The remaining budget is spent on roads in the "good" and "fair" categories to ensure they do not degrade further.
- The Town plans to continue with our own yearly Pavement Preservation Projects in addition to the Regional Local Repair Program.



**Arizona Pavement Preservation Condition Guide for Agency  
Use to Determine Materials Usage**

Pavement Condition Range	Qualified Treatments
10-8	Various Fog Seal Applications
10-7	Crack Seal/Patching/Scrub Seal Various Fog Seal Applications Slurry Seal/Micro Surface
7-5	Crack Seal/Patching/Scrub Seal Slurry Seal/Micro Surface PMRE/CRS-2P Chip Seal PG-TR Chip Seal Cape Seal (Various) Double Chip Seal (Various) Conventional Overlay
5-3	Crack Seal/Patching/Scrub Seal Asphalt Rubber Chip/Cape Seal Double Chip Seal (Various) Hot in Place Recycling/Seal Three Layer Cape Seal (Various) SAMI/Rubber Modified Overlay Mill and Fill
3-0	Crack Seal/Patching/Scrub Seal SAMI/Rubber Modified Overlay Cold in Place Recycling/Seal Reconstruction

Type of treatments typically considered by the Town based on the pavement condition .

However, due to limited funding the types of treatments typically used are highlighted.



## In a Perfect World...

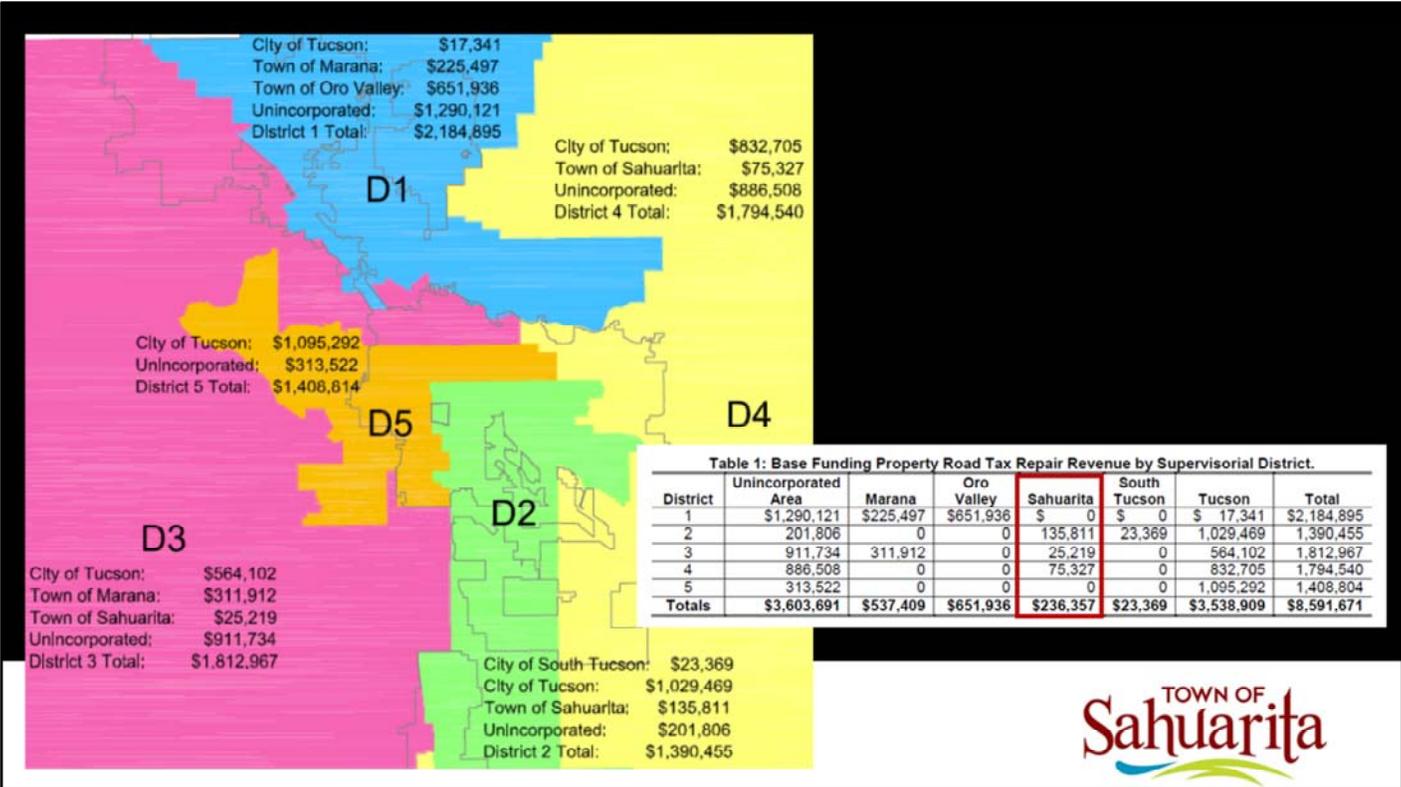
To bring all streets within the jurisdiction of the Town of Sahuarita to a PASER rating of 7 to 8 (Good) today:

Residential	\$ 2,460,700
Collector	\$ 3,922,900
Arterial	\$11,158,200

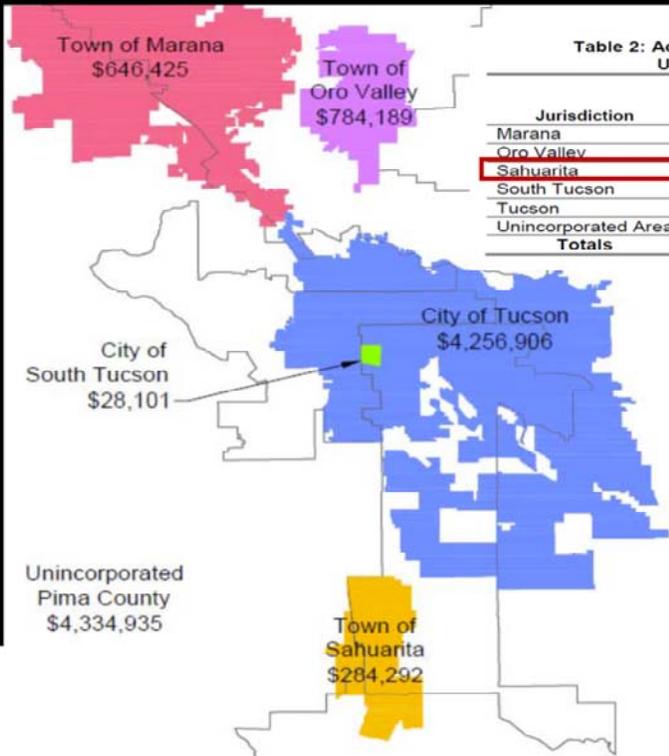
**Total = \$17,541,800**



- The City has discussed “rolling over” their first year of funds.
- If Sahuarita could “borrow” a portion of the City’s first year’s allotment (equal to our next four years) and return our remaining four years back to the City, the Town of Sahuarita could bring ALL OF OUR RESIDENTIAL STREETS TO A PASER RATING OF 7 TO 8 IN YEAR ONE.



- Sahuarita is part of Districts 2, 3 and 4.



**Table 2: Accelerated Property Tax Road Repair Revenue by City, Town and Unincorporated Area (14-cent tax increase, \$10,934,854).**

Jurisdiction	% of Assessed Value	Accelerated Property Road Tax Repair Allocation	Debt Issuance and Interest Cost Allocation	Adjusted Accelerated Property Road Tax Repair Allocation
Marana	6.255	\$ 683,955	(\$ 37,530)	\$ 646,425
Oro Valley	7.588	829,717	(45,528)	784,189
Sahuarita	2.751	300,798	(16,506)	284,292
South Tucson	0.272	29,733	(1,632)	28,101
Tucson	41.190	4,504,046	(247,140)	4,256,906
Unincorporated Area	41.944	4,586,605	(251,664)	4,334,941
<b>Totals</b>	<b>100.000</b>	<b>\$10,934,854</b>	<b>(\$600,000)</b>	<b>\$10,334,854</b>

**Table 3: Total Road Repair Revenue by Jurisdiction.**

Jurisdiction	Base Funding Allocation	Adjusted Accelerated Property Road Tax Repair Allocation	Total
Marana	\$ 537,409	\$ 646,425	\$ 1,183,834
Oro Valley	651,936	784,189	1,436,125
Sahuarita	236,357	284,292	520,649
South Tucson	23,369	28,101	51,470
Tucson	3,538,909	4,256,906	7,795,815
Unincorporated Area	3,603,691	4,334,941	7,938,632
<b>Totals</b>	<b>\$8,591,671</b>	<b>\$10,334,854</b>	<b>\$18,926,525</b>



# How do our roads compare to the other jurisdictions?

ROAD CONDITION	JURISDICTION RATING AND MILES PER CONDITION														
	TOWN OF MARANA (OCI)			TOWN OF ORO VALLEY (OCI)			TOWN OF SAHUARITA (PASER)			CITY OF TUCSON (OCI)			PIMA COUNTY (PASER)		
	ARTERIAL	COLLECTOR	LOCAL	ARTERIAL	COLLECTOR	LOCAL	ARTERIAL	COLLECTOR	LOCAL	ARTERIAL	COLLECTOR	LOCAL	ARTERIAL	COLLECTOR	LOCAL
UNRATED/ NEWLY ACCEPTED	0.00	0.00	10.17	0	0	0	0	0	0	0	0	2	2	2	62
FAILED/ VERY POOR	0 - 39			0 - 40			0 - 3			0 - 39			1 - 3		
	0.00	0.00	0.00	0	0	0	0	0	0	13	16	379	8	109	212
POOR	40 - 59			41 - 55			3 - 5			40 - 59			4 - 5		
	0.00	0.00	0.07	6	7	29	0	1	1	100	48	690	90	201	582
FAIR	60 - 69			56 - 70			5 - 7			60 - 69			6		
	2.30	27.33	10.72	28	62	127	11	16	36	24	5	91	16	28	119
GOOD	70 - 79			71 - 85			7 - 8			70 - 79			7		
	4.49	35.64	59.90	35	13	84	14	4	18	66	7	85	47	60	102
VERY GOOD	80 - 100			86 - 100			8 - 10			80 - 100			8 - 10		
	12.95	35.74	37.70	16	4	6	7	0	3	97	9	71	37	32	158

- It is the Town's goal to keep all roads at a pavement condition of 5 (Fair) or greater.
- Due to our pavement preservation system, the Town currently has no roads that fall into the "Failed" condition category and less than 2% of our roads fall into the "Poor" category.

The Town's pavement preservation program is designed to include not only those roads in the worst condition, but to ensure roads in good condition do not continue to deteriorate.



- Town's goal is to never allow a road to fall below a rating of 5.
- Would like to be able to get all roads to a condition of good (7-8) or better.



# Proposed Neighborhoods and Treatment Types (Year 1)

	Crack Seal	Scrub Seal	Microsurface	Patch with Other Treatments
La Joya Verde	\$19,230	<b>\$15,734</b>		
Las Quintas Serena	\$34,221	\$36,400		
Colona La Canada	\$19,525		<b>\$20,832</b>	
La Canada Norte	\$22,198	\$18,162		
Rancho Buena Vista (ST13)	\$18,071	\$14,786		
Rancho Buena Vista (ST14)	\$9,174	<b>\$7,506</b>		
Presidio Del Flores	\$21,465	\$17,563		
Presidio De Arboles	\$19,531		\$20,774	
Presidio De Cancion	\$23,148		\$24,621	
Presidio Del Cielo 1				\$47,600
Presidio Del Cielo 2				\$31,000
Presidio Monterey				<b>\$60,042</b>
Presidio De La Madera				<b>\$76,100</b>
Presidio Del Rio				\$37,372
Presidio De Valle				\$21,330
Pesidio De La Luna				\$22,510
Presidio De Madrid				\$35,870
Presidio De Las Montana's				\$34,183
Presidio De La Tierra				\$40,181
Madera Highlands	\$9,024	<b>\$7,384</b>		
Madera Highlands 2	\$33,190	<b>\$29,110</b>		
Madera Highlands 3	\$26,400	<b>\$21,600</b>		

These proposed pavement preservation treatments will include close to 25 miles\* of local roads.

Steve Christy - District 4	\$73,828
Sharon Bronson - District 3	\$97,686
Ramon Valadez - District 2	\$469,146



- The Regional Local Road Repair Program funds, combined with the Sahuarita pavement preservation program, will enable the Town of Sahuarita to perform pavement preservation treatments on approximately 25 miles of roads.
- \*Local Roads are estimated to be two lanes totaling approximately 30 feet in width.
- Areas utilizing Base Funding are in RED.
- BOLD areas are utilizing Accelerated Tax.
- Remainder (unbolded black) is work being performed in conjunction with this project by Sahuarita.
- Majority of accelerated funding is being programmed in District 2.
- As you can see, the majority of the local roads / developments proposed in this District require base pavement patching as one of the elements. The roads in this category are all in the 5, or POOR to FAIR, range. Typically, this type of repair would significantly deplete our pavement preservation budget. With the additional funds from this program the Town can bring a much larger percent of our fair roads into the GOOD category than we'd be able to do with our own program.

## Leveraging our Dollars to Get More Miles of Pavement Preservation

- Total for all work proposed = \$895,837 with \$520,649 from the Regional Local Road Repair Program.
- The total includes Crack Seal which is anticipated to cost approximately \$255,177 if completed by a Contractor.
- Town owns the equipment to Crack Seal and can complete the same amount of work for approximately \$102,000. Will utilize a portion of our fall pavement preservation program money to complete this work.
- Town will Crack Seal prior to other treatments.
- Cost for Pima County to provide inspections = \$20,826. Town personnel will perform inspections.
- Cost for Pima County to provide materials testing = \$5,206. Town will perform materials testing where necessary.



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# Public Information and Outreach

Green Valley News



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## County road funds will stretch far in Sahuarita

By David Rosenberger drosenberg@greenvalleynews.com



Sahuarita may not be receiving much money from the county's new property tax hike, but it believes it can stretch the half-million dollars it will get across a good number of road repairs.

The tax, approved by the Board of Supervisors in June, raised the primary property tax rate by 25 cents to fund repair of local or local collector roads.

The tax funds are split into two categories, base and accelerated funding. The base funding is the 14 cents of the tax that was offset by adjustments made to other tax rates. This will be divided among the five supervisor districts and Sahuarita will receive a combined \$236,357 from the three districts that intersect its boundaries. The accelerated funding will be divided up based on the percentage of assessed value in each municipality compared to the county as a whole. Sahuarita will receive another \$284,292 of this money.



- Additionally, Public Works will be updating the Mayor and Council on the Pavement Preservation efforts with a presentation in the fall.