



MEMORANDUM

Date: January 5, 2017

To: The Honorable Ally Miller, Member
Pima County Board of Supervisors

From: C.H. Huckelberry
County Administrator *[Signature]*

Re: Your December 14, 2016 Letter and Petition Requesting Remilling and Resurfacing of the Orangewood Estates Subdivision Streets

I appreciate the desire of the residents of Orangewood Estates to have their roads repaired. Their desires are not unlike many of the residents of the unincorporated area whose residential streets are in need of repair. The Department of Transportation indicates the approximate cost to mill and overlay the 3.74 miles of Orangewood Estates is \$1,105,000. Funds for such are unavailable.

As you know from Budget Adoption, the Pavement Preservation Program for Fiscal Year 2016/17 is \$4.5 million. This funding is being used to resurface the following arterial streets:

Fiscal Year 2016/17 Pavement Preservation Program.				
Route	From	To	District	Estimate
First Avenue	River	Ina	1	\$ 704,704
Thornycroft Road	Rudolph	Daphne	1	379,456
La Cholla Boulevard	River	Magee	1	1,017,280
Hawser Road	Oracle	Twin Lakes	1	134,534
Nogales Highway	Los Reales	South 5 Miles	2	1,267,200
Avra Valley Road	Interstate 10	Airline	3	586,432
Total				\$4,089,606

As you can see, District 1 is receiving nearly half of the allocation, or \$2,235,974. While we are unable to fund the request of the residents of Orangewood Estates, I am hopeful the Board will consider a number of funding alternatives to be presented in the upcoming budget to address residential street repaving. Previous reports detail various options, including an increase in the State gas tax and adopting a half-cent sales tax for road repair. Unfortunately, your plan to repair roadways in unincorporated Pima County would not have funding until after 2026; which, in my opinion, is too late to provide any meaningful pavement repair to our residential streets in the near term.

CHH/anc
Attachment

c: The Honorable Chair and Members, Pima County Board of Supervisors
Carmine DeBonis Jr., Interim Deputy County Administrator for Public Works
Nanette Slusser, Assistant County Administrator for Public Works, Policy
Priscilla Cornelio, Director, Transportation

DATE: January 4, 2017

TO: C.H. Huckelberry
County Administrator

FROM: 
Priscilla S. Cornelio, P.E.
Director

SUBJECT: Oranewood Estates Petition for Resurfacing

Per your December 20, 2016 memorandum regarding the petition to re-mill and resurface the roads in Oranewood Estates, we are providing a cost estimate and funding status.

The pavement conditions for the local streets in Oranewood Estates are rated as failed. The petition forwarded as an attachment to your December 20, 2017 memorandum requests mill and repave. Our estimate for a mill and a 2-inch asphalt overlay for the 3.74 miles of the subdivision is approximately \$1,105,382.

The Department's Pavement Preservation Program for fiscal year July 1, 2016 to June 30, 2017 is currently allocated at \$4.5 million. Due to the favorable bids, we anticipate there will be approximately \$400,000 to \$500,000 remaining in the program (see attached spreadsheet).

The program covers pavement preservation along 15.02 miles of major arterials and collector roads. There are no subdivision/local roads scheduled for the current. The program currently contains six road segments; four of which are geographically located in Supervisorial District 1. Once completed, 7.92 miles will be resurfaced in District 1, at an allocation of approximately \$2,235,974.

Although there is a minimal amount remaining in the program, we recommend allocating the funds to a major arterial or collector from one of the four options presented in the memorandum to Mr. John Bernal dated July 26, 2016 (see attached).

We still continue to face a funding shortfall and a high percentage of poor/failed roads in Pima County. There are over 60 percent of poor/failed roads and approximately 1,000 miles of roads that require attention and cost approximately \$250 million to repair. Until we are able to fund and schedule local residential roads for resurfacing, we will continue to schedule pothole repairs in Oranewood Estates and monitor pavement conditions.

PSC:AV:RE:dg

Attachments

- c: Carmine DeBonis, Interim Deputy County Administrator
Nanette Slusser, Assistant County Administrator
Ana Olivares, Deputy Director
David Cummings, Operations and Maintenance Division Manager
Annabelle Valenzuela, Community Relations Manager

Route	From	To	Length	BOS	Condition Rating: Date	Treatment	Treatment Unit Cost	Engineer Estimate
FY 2017 Allocation								
1st Ave	River	Ina	2.86	1	Fair, 7-2015	Micro Seal	\$6.00	\$4,500,000
Thomydale	Rudolph	Daphne	1.54	1	Fair, 4-2015	Micro Seal	\$6.00	\$704,704
La Cholla	River	Magee	2.89	1	Fair, 4-2015	Micro Seal	\$6.00	\$379,456
Hawser	Oracle	Twin Lakes	0.63	1	Failed; 6-2015	New Asphalt	\$14.00	\$1,017,280
Nogales Hwy	Los Reales	south 5 miles	5.00	2	Fair, 4-2015	Micro Seal	\$6.00	\$134,534
Avra Valley	I-10	Airline	2.10	3	Failed; 11-2015	New Asphalt	\$14.00	\$1,267,200
			15.02				Total =	\$586,432
							Potential Savings	\$410,394



MEMORANDUM

DATE: July 26, 2016

TO: John M. Bernal
Deputy County Administrator

FROM:  Priscilla S. Cornelio, P.E.
Director

SUBJECT: Pavement Preservation Program for Fiscal Year 2016/2017

Attached are four options for Transportation's \$4.75 million pavement preservation program for Fiscal Year 2016/17. Below is a description of each option.

Option 1 – Preservation of Significant Investment (CIP and Maintenance). The roadways on this option are capital improvement projects or maintenance paving projects that were completed in the last 10 to 15 years. These roadways with highest traffic volume are on the verge of dropping to a poor condition if no preservation work is done on them. At this point, the less expensive micro seal can be done and will preserve the road for another 8 to 10 years. If nothing is done, the roads will deteriorate to poor or failed condition and the repair will double in price. To protect the County's investment in its major capital projects, this micro seal is essential. The roadways shown in this option are not Board of Supervisor (BOS) balanced.

Option 2 – Failed, Sorted by Road Classification (Arterial/Collector) and Average Daily Traffic (ADT). The roadways on this option are all failed Urban Arterials (UA), Rural Arterial (RA) or Urban Collector (UC). The process of choosing the roadways is as follows: all the roadways are sorted and all the non-failed roads are eliminated, and then all the non-UA, RA and UC roadways are eliminated. The remaining roadways are then sorted by highest ADT and roadways are chosen from the top until the allotted dollar amount, \$4.75 million is reached. The roadways shown in this option are not BOS balanced.

Avra Valley Road is shown in this option and a portion of the section from Marana Town Limits to Sanders is shared with the Town of Marana. One travel lane is in Marana right of way and the other travel lane is in Pima County right of way. In this option's estimate, both lanes of traffic are included subject to getting reimbursed by the Town of Marana for their share.

Option 3 – Failed, Sorted Arterial/Collector and ADT, BOS Balanced. The roadways on this option are also all failed UA, RA or Urban Collector UC. The process to choose these roadways is the same process as used for Option 2, except that the final list of roadways is balanced by BOS District as much as possible. Typically, the three larger Districts (1, 3 and 4) are allocated approximately 25% of the available funding and the other two Districts (2 and 5) are each allocated approximately 12.5% of the available funding. The roadways are sorted by ADT and chosen from the top until the allotted dollar amount for each District is reached.

John M. Bernal, Deputy County Administrator

SUBJECT: Pavement Preservation Program for Fiscal Year 2016/2017

July 26, 2016

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Avra Valley Road is shown in this option and a portion of the section from Marana Town Limits to Sanders is shared with the Town of Marana. One travel lane is in Marana right of way and the other travel lane is in Pima County right of way. In this option estimate, we included doing both lanes of traffic subject to getting reimbursed by the Town of Marana for their share.

Option 4 – Failed and Preservation of Investment. BOS Balanced. The roadways on this option are a hybrid of Option 1 and Option 3. In order to add a micro seal project from Option 1, some of the roadways from Option 3 are eliminated. To reach the allotted dollar amount Hawser Road was eliminated and the portion of Avra Valley Road that is shared by Town of Marana and Pima County was eliminated. The Skyline Road micro seal was added.

For your use, maps for each option are also included. Paving work can be underway within 4 to 6 weeks after approval. We look forward to your recommendation of an option. Let us know if you have any questions.

PSC:AO:dg

Attachments: Option 1
Option 2
Option 3
Option 4

c: Ana Olivares, Deputy Director
David Cummings, Maintenance and Operations Division Manager

NOTE: Maps from original not included.

Option 2 - Failed, Sorted by Road Classification (Arterial/Collector) and ADT
 Not BOS Balanced

Route	From	To	Length	BOS	Predecessor Classification	Classification (P/B/E)	Treatment	Treatment Unit Cost	Treatment Cost	BOS Tons	Comments
Shredler	Star Canyon	Houston	1.64	1	UA	Failed	New Asphalt	\$14,000	\$22,840		
Lincoln	Marina Tr.	Blue Bonnet	0.75	1	LC	Failed	New Asphalt	\$14,000	\$10,500	\$549,639	
Avra Valley	Quarry	1-10	1.21	3	LC	Failed	New Asphalt	\$14,000	\$16,800		
Avra Valley	Marina Tr.	Senders	1.28	3	LC	Failed	New Asphalt	\$14,000	\$17,920		
Avra Valley	Thibe	Marina Tr.	1.31	3	LC	Failed	New Asphalt	\$14,000	\$18,480	\$1,379,370	
Shredler	Houston	Soldiers Trail	2.00	4	UA	Failed	New Asphalt	\$14,000	\$28,000		
Houston	Frontier	P. Lloyd	0.71	4	UA	Failed	New Asphalt	\$14,000	\$9,800		
Shredler	Wagonwhe	Eschbach	1.65	4	LC	Failed	New Asphalt	\$14,000	\$23,100		
Old American Trail	Conestoga	Conestoga Creek East	0.84	4	LC	Failed	New Asphalt	\$14,000	\$11,760		
Carthage	Conestoga East	Frontiers Road	0.96	4	LC	Failed	New Asphalt	\$14,000	\$13,440		
Soldiers Trail	P. Lloyd	Shredler	2.00	4	LC	Failed	New Asphalt	\$14,000	\$28,000	\$1,380,187	
Cardinal	Marine	Cardinal	0.91	5	UA	Failed	New Asphalt	\$14,000	\$12,740		
Lawton	Cano de Ocho	Cactus Wren	2.24	E	UA	Failed	New Asphalt	\$14,000	\$31,360	\$726,415	
			17.90						\$4,173,898	\$4,173,898	

Option 3 - Failed, Arterial/Collector and ADT
BOS District Balanced

Route	From	To	Length	BOS	Functional Classification	Condition Rating	Treatment	Treatment Unit Cost	Treatment Cost	BOS Totals	Comments
Shafter	Bear Canyon	Houston	1.66	1	UA	Failed	New Asphalt	\$14,000	\$23,168		
Lucia Vista	Merritt Tr.	Blue Bonnet	0.75	1	UC	Failed	New Asphalt	\$14,000	\$10,500		
Swan	Shiloh	Iron	0.78	1	UC	Failed	New Asphalt	\$14,000	\$10,980		
Wicks	Bowman	Lane del Oro	0.46	1	UC	Failed	New Asphalt	\$14,000	\$6,384		
Camphall	Bentwood	Iron	0.75	1	UC	Failed	New Asphalt	\$14,000	\$10,500		
Oracle Jaynes	Mora Lisa	Traffs	0.46	1	UC	Failed	New Asphalt	\$14,000	\$6,384		
Hawthorn	Oracle	Turn Lakes	0.62	1	UC	Failed	New Asphalt	\$14,000	\$8,680	\$1,284,000	
Delta Vista	ANDOT rd	Orca	0.15	3	US	Failed	New Asphalt	\$14,000	\$2,100		
Swan	1 mile south of Los Rioses	Los Rioses	1.00	2	UC	Failed	New Asphalt	\$14,000	\$14,000		
Michigan	Contractors Way	End of Road	0.20	2	UC	Failed	New Asphalt	\$14,000	\$2,800		
Maple	Contractors Way	End of Road	0.50	2	UC	Failed	New Asphalt	\$14,000	\$7,000		
Aura Valley	Quality	I-10	1.21	3	UC	Failed	New Asphalt	\$14,000	\$16,940		
Aura Valley	Merritt Tr.	Sanders	1.28	3	UC	Failed	New Asphalt	\$14,000	\$17,920		
Aura Valley	Tisco	Merritt Tr.	1.81	3	UC	Failed	New Asphalt	\$14,000	\$25,380		
Old Spanish Trail	Madonnans	Escalante	1.83	4	UC	Failed	New Asphalt	\$14,000	\$25,620	\$1,208,370	
Hawthorn	Ferlock	Pl Lowell	0.71	4	UA	Failed	New Asphalt	\$14,000	\$9,800		
Country Heights	Campo del Sol	Phonage Road	0.56	4	UC	Failed	New Asphalt	\$14,000	\$7,840		
Ingraton	Casa de Ocas	Cactus Wren	2.24	5	UA	Failed	New Asphalt	\$14,000	\$31,360		
Lazy C	West end of Maintenance	Cerro De Ocas	0.80	5	Local	Fair	Chip / Seal	\$4,000	\$3,200		
			17.83						\$4,750,967	\$4,750,967	

Option 4 - Failed and Preservation of Investment
BOS District Balanced

Route	From	To	Length	BOS	Functional Classification	Condition	Threat	Util Cost	Cost	BOS Total	Comments
Snover	Base Canyon	Houston	1.69	1	UA	Failed	New Asphalt	\$14,000	\$977,188		
Lynla Vista	Marana TL	Blue Bonnet	0.75	1	UC	Failed	New Asphalt	\$14,000	\$172,480		
Swift	Stovins	Iron	0.78	1	UC	Failed	New Asphalt	\$14,000	\$220,680		
Wicks	Bouquet	Lago del Oro	0.48	1	UC	Failed	New Asphalt	\$14,000	\$113,244		
Carrubaji	Barthwood	Iron	0.75	1	UC	Failed	New Asphalt	\$14,000	\$180,180		
Granda Jacobs	Marana TL	Travis	0.59	1	UC	Failed	New Asphalt	\$14,000	\$83,638		
Stevens	Prime Canyon	Chambers	1.48	1	UA	Fair	Micro Seal	\$8,000	\$894,872	\$1,814,588	
Palo Verde	ADOT Ave	Gar	0.15	2	UA	Failed	New Asphalt	\$14,000	\$73,520		
Swain	1 mile south of Los Peñas	Los Peñas	1.00	2	UC	Failed	New Asphalt	\$14,000	\$273,547		
Michigan	Contractors Way	End of Road	0.20	2	UC	Failed	New Asphalt	\$14,000	\$62,139		
Wanda	Contractors Way	End of Road	0.60	2	UC	Failed	New Asphalt	\$14,000	\$245,000	\$816,000	
Aura Valley	Quarry	M-10	1.21	3	UC	Failed	New Asphalt	\$14,000	\$285,144		
Aura Valley	Marana TL	Sanders	0.60	3	UC	Failed	New Asphalt	\$14,000	\$302,291		
Aura Valley	Tico	Marana TL	1.81	3	UC	Failed	New Asphalt	\$14,000	\$335,181	\$1,136,876	
Old Spanish Trail	Maldonado	Esmeralda	1.89	4	UC	Failed	New Asphalt	\$14,000	\$541,004		
Houston	Fritock	Pt Lowell	0.71	4	UA	Failed	New Asphalt	\$14,000	\$229,883		
Camino Encanto	Camino del Sol	Frontage Road	0.86	4	UC	Failed	New Asphalt	\$14,000	\$229,873	\$891,001	
Johnton	west towards Coto de Oeste	Cactus Wren	2.00	5	UA	Failed	New Asphalt	\$14,000	\$489,947		
Lago C	West end of Maintenance	Coto de Oeste	0.80	5	Local	Fair	Crp / Fcn seal	\$4,000	\$45,086	\$505,008	
			17.98						\$4,782,117	\$4,782,117	



MEMORANDUM

Date: December 20, 2016

To: Priscilla Cornelio, Director
Transportation Department

From: C.H. Huckelberry
County Administrator

A handwritten signature in black ink, appearing to read "CHH", is written over the printed name "C.H. Huckelberry".

Re: **December 14, 2016 Letter from Supervisor Ally Miller Regarding a Petition to Re-mill and Resurface the Roads in Orangewood Estates**

I would appreciate a cost estimate to accomplish the work requested. Please provide me with a cost estimate and whether there are any funds available to perform the work.

Also, please recap the actual expenditure of pavement, rehabilitation and resurfacing funds spent in this fiscal year and how they were distributed by district. As I recall, the \$4.5 million in funds set aside by the Board of Supervisors have been largely spent in Supervisorial District 1 on arterial and collector roads of the County, not subdivision streets, which would be the classification of the streets within Orangewood Estates.

Once I receive this information from you, I will respond to Supervisor Miller's request.

CHH/lab

Attachment

c: Carmine DeBonis, Jr., Interim Deputy County Administrator for Public Works
Nanette Slusser, Assistant County Administrator for Policy, Public Works



**PIMA COUNTY BOARD OF SUPERVISORS
DISTRICT 1
130 WEST CONGRESS STREET, 11TH FLOOR
TUCSON, AZ 85701-1317
(520)724-2738
district1@pima.gov
www.district1.pima.gov**

**ALLY MILLER
SUPERVISOR**

December 14, 2016

Mr. Chuck Huckelberry
County Administrator
130 W. Congress, 10th Floor
Tucson, AZ 85701

Dear Mr. Huckelberry:

Please see the attached petitions sent to me asking for roads to be re-milled and resurfaced in Orangewood Estates. There are 273 signatures on the petition.

Due to a lack of maintenance and repair by the County over the past 20 years, this road is now in dire need of being re-milled and resurfaced before someone is seriously injured.

I am requesting immediate action to address the serious safety concerns these residents face in Orangewood Estates.

Sincerely,

A handwritten signature in black ink, appearing to read "Ally Miller".

Ally Miller
Supervisor, District 1

Cc: Carmine DeBonis, Jr., Interim Deputy County Administrator for Public Works
Priscilla Cornelio, Director, Department of Transportation
Lauren Eib, Risk Manager, Risk Management Department
Thomas Weaver, Chief Civil Deputy, Pima County Attorney's Office
Anna Maldonado, Pima County Resident