



PCTAC update on Previous Requests
Overview of 2013 – Pavement Preservation Program

Chronology:

- **Attachment A**

September 6, 2013 Memo from County Administrator Chuck Huckelberry (CHH) to Board of Supervisors (BOS)
\$5M General Fund Transfer for FY2013-14 Pavement Preservation Program with original project list and revised list with Supervisor Miller's revisions.

- **Attachment B**

February 18, 2014 (February 3, 2014) Memo from CHH to BOS
Recommend direction from BOS on expending the balance of the General Funds Pavement Repair Program. The attachment includes a February 3, 2014 memorandum from Department of Transportation (DOT) Director Priscilla Cornelio, to CHH describing the 2013-2014 pavement preservation program and the changes to DOT's recommended program.

February 18, 2014 BOS Meeting

Item 11 – Pavement Preservation Project Allocations and Funding Approvals

Minutes reflect Supervisor Elias and Supervisor Valadez move to approve the original recommendations of staff for expending the balance of the General Fund Pavement Repair Program and to direct staff to develop a resolution for Colossal Cave Road. No vote was taken at this time.

Supervisor Elias amended his motion to include that any monies left over from the funds originally allocated to District 1 from the Pavement Repair Program be applied to Colossal Cave Road. Supervisor Valadez accepted the amendment. No vote was taken at this time.

Supervisor Miller objected to the amendment that would take the road repair money from District 1. Motion carried 4-1 vote. Supervisor Miller votes "nay".

BOS Meeting of February 18, 2014 Board allocated an additional \$872,000 to Colossal Cave Improvement Project. Board directs DOT that this project should receive priority implementation.

- **Attachment C**

February 21, 2014 Memo from CHH to John Bernal, Deputy County Administrator for Public Works. BOS Meeting of February 18, 2014 Board allocated an additional \$872,000 to Colossal Cave Improvement Project. Board directs DOT that this project should receive priority implementation.

- **Attachment D**

2013-2014 Completed Pavement Preservation Program per February 18, 2014 BOS Meeting

Ana M. Olivares, P.E., Director

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MEMORANDUM

Date: September 6, 2013

To: The Honorable Chairman and Members
Pima County Board of Supervisors

From: C.H. Huckelberry
County Administrator 

Re: **\$5 Million General Fund Transfer for Fiscal Year 2013/14 Pavement Preservation Program**

As part of the Fiscal Year 2013/14 Budget Adoption, the Board of Supervisors approved a \$5 million General Fund Transfer for the Pavement Preservation Program.

Attached is the list of projects that will be completed with this funding, as well as the segments to be completed with DOT 41 funds.

The Department of Transportation believes the most urgent projects to complete are primarily arterial and collector highways and a few subdivision streets as indicated in the attachments.

CHH/mjk

Attachments

c: John Bernal, Deputy County Administrator for Public Works
Priscilla Cornelio, Transportation Director

DOT Pavement Preservation Program Recommendations

\$5 Million General Fund Pavement Preservation Program									
Key	Route	From	To	Length	BOS	Condition	Treatment	Engineer's	BOS
	River	La Cholla	La Canada	6,600	1	Good / poor	Patch / Crack / Micro	\$205,333	
	River	Campbell	Dodge	9,715	1	Good	Crack / Fog	\$151,122	
	River	Shannon	La Cholla	5,730	1	Poor	Patch / Crack / Micro	\$178,267	
	Thornycroft	Rudolf	Daphne	8,157	1	Good / Fair	Patch / Crack / Micro	\$253,773	
	Sabino Canyon + Sunrise	Ventana Swan	River Craycroft	6,743 5,394	1 1	Fair Good / Fair	Patch / Crack / Micro Patch / Crack / Micro	\$209,782 \$167,813	
	Palo Verde	44th	Gas	6,028	2	Good	Crack / Fog	\$93,769	\$1,166,891
	Tucson Mountain Ruthrauff	Subdivision I-10	La Cholla La Cholla	10,241 5,098	3 3	Failed Poor	Mill / Fill 2" Patch / Crack / Micro	\$541,635 \$181,262	\$95,769
	Curtis	Kain	La Cholla	2,624	3	Failed	Mill / Fill 2"	\$106,126	
	Manville	Avra	Anway	5,280	3	Failed	Mill / Fill 2"	\$213,547	
	Kinney Kain	Ajo Ruthrauff	Naomi Davis	11,473 2,561	3 3	Fair - Poor Failed	Patch / Crack / Micro Mill / Fill 2"	\$318,694 \$103,578	
	Wade	Valencia	Pebble Valley	4,083	3	Failed - Poor	Overlay 2"	\$266,756	
	Ruthrauff / Wetmore	La Cholla	Fairview	9,419	3	Good	Crack / Fog	\$146,518	
	Freeman	Calle Aurora	north 1 mile	5,280	4	Failed	Overlay 2"	\$253,440	\$1,878,117
	Esperanza	Abrego	Desert Bell	3,721	4	Failed	Mill / Fill 2" + patching	\$525,488	
	Ventura	Subdivision	Colossal Cave	11,434	4	Good	Crack / Chip / Fog	\$97,824	
	Pistol Hill	Old Spanish	Colossal Cave	10,689	4	Good / Fair	Patch / Crack / Micro	\$171,024	
	Los Reales	Mission	Sorrell	8,699	5	Poor - Failed	Overlay 2"	\$301,565	\$1,047,776
	Irvington	Mission	Cactus Wren	5,714	5	Failed	Overlay 2"	\$319,984	
	Mountain Gardens	Subdivision	Mark	4,392	5	Poor	Crack / Chip / Fog	\$44,408	
	Valencia	Camino de la	Mark	10,715	5	Good	Crack / Fog	\$161,916	
								\$827,873	
								\$5,013,626	\$5,013,626

DOT Pavement Preservation Program With District 1 Recommendations

\$5 Million Pavement Preservation Program FY 2013/2014

Key	Route	From	To	BOS	Condition Rating	Treatment	BOS	Comments
Thornycroft	Linda Vista	Daphne		1	Failed	Mill / Fill 2"		
Sabino Town and Country Estates	Subdivision			1	Poor	Overlay 2"		
Golden Heritage Village	Subdivision			1	Failed	Mill / Fill 2"		curb
Oasis	Cmo de Oeste	Twin Peaks		1	Poor	Overlay 2"		
Bowman	Golder	Rollins		1	Failed	Overlay 2"	\$1,056,640	
Palo Verde	44th	Gas		2	Good	Crack / Fog	\$93,769	
Tucson Mountain Village	Subdivision			3	Failed	Mill / Fill 2"		
Ruthrauff	I-10	La Cholla		3	Poor	Patch / Crack / Micro		
Curtis	Kain	La Cholla		3	Failed	Mill / Fill 2"		
Manville	Avra	1 mile west		3	Failed	Mill / Fill 2"		Mile 1 of 4
Kinney	Ajo	Naomi		3	Fair - Poor	Patch / Crack / Micro		Extra TC; eliminate due to CIP?
Kain	Ruthrauff	Curtis		3	Failed	Mill / Fill 2"		
Wade	Valencia	Pebble Valley		3	Failed - Poor	Overlay 2"		Safety Shoulder / Milling / extra TC
Ruthrauff / Wetmore	La Cholla	Fairview		3	Good	Crack / Fog	\$1,878,117	
Freeman	Calle Aurora	Saint James		4	Failed	Overlay 2"		Start date 11-5
Esperanza	Abrego	Desert Bell		4	Failed	Mill / Fill 2"+ patching		
Ventura	Subdivision			4	Good	Crack / Chip / Fog		
Pistol Hill	Old Spanish Trail	Colossal Cave		4	Good / Fair	Patch / Crack / Micro	\$1,047,776	
Los Reales	Mission	Sorrell		5	Poor - Failed	Overlay 2"		
Mountain Gardens	Subdivision			5	Poor	Crack / Chip / Fog		
Irvington	Mission	Cactus Wren		5	Failed	Overlay 2"		Add turn lane at school; safety shoulder
Valencia	Camino de la Tierra	Mark		5	Good	Crack / Fog	\$827,873	
							\$4,904,175	

REVISED 11/07/13



Board of Supervisors Memorandum

February 18, 2014

Pavement Preservation Project Allocations and Funding Approvals

Introduction

In adopting last year's budget on a three-to-two vote, the Board included a General Fund allocation of \$5 million for pavement preservation to be expended by the Department of Transportation for Fiscal Year (FY) 2013/14. The Department then, based on their professional judgment, developed a project list of where these funds could be best expended to maximize the investment, including maintenance activities of pavement systems that were on the verge of failing and that with little additional investment much costly repairs could be avoided. This list was transmitted to the Board of Supervisors on September 6, 2013 for review and comment.

Supervisor Miller has since requested the County reprioritize the projects within District 1 as shown in Attachment 2 of Ms. Cornelio's memorandum. Given weather conditions that split the timeframes for most pavement repair and maintenance operations between the fall and spring, a portion of these repairs have already been completed; others have not.

Are there any additional changes or modifications the Board wishes to make regarding allocation of these project funds? The Board is free to change allocations, as well as project priorities.

Recommendation

I recommend the Board of Supervisors provide direction regarding expending the balance of the General Fund Pavement Repair Program approved by the Board and budget adoption for Fiscal Year 2013/14.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "C. Huckelberry".

C.H. Huckelberry
County Administrator

CHH/anc – February 3, 2014

Attachment

c: John Bernal, Deputy County Administrator for Public Works
Priscilla Cornelio, Director, Department of Transportation

Attachment B



PIMA COUNTY
TRANSPORTATION

MEMORANDUM

DATE: February 3, 2014
TO: C.H. Huckelberry, County Administrator
FROM: Priscilla S. Cornelio, P.E., Director 
SUBJECT: Pavement Preservation FY 2013-14

In the FY 2013-14 approved budget for the Department of Transportation (DOT), \$5 Million in General Funds were approved. The funds were to be used for pavement preservation activities only. DOT has a pavement management system that rates the conditions of all 1786 miles of paved roadways maintained by the County. DOT uses this system to identify roads to be programmed for pavement preservation treatments. Since nearly 61% of County paved roads are in the "poor or failed" category there are many possible roads to be selected for inclusion in an annual program.

DOT prepared a suggested list of roads to be treated in FY 2013-14 (Attachment 1) which was forwarded to the County Administrator for consideration. Subsequently, the list was forwarded to the Board of Supervisors for their review. Supervisor Miller asked that the roads in District 1 be modified to those shown in Attachment 2. No other changes were made to the DOT prepared list. DOT has initiated the pavement treatments and the status of the activities is also shown in Attachment 2. To date, over \$1.7 Million of the \$5 Million program has been obligated.

Please let me know if you have any questions.

PSC:dg

Attachments

cc: John M. Bernal, Deputy County Administrator – Public Works
Ben Goff, Deputy Director – Transportation Systems, Support and Operations
Dave Cummings, Operations and Maintenance Division Manager

DOT Pavement Preservation Program Recommendations

\$5 Million General Fund Pavement Preservation Program									
Key	Route	From	To	Length	BOS	Condition	Treatment	Engineer's	BOS
River	La Cholla	La Canada		6,600	1	Good / poor	Patch / Crack / Micro	\$205,333	BOS
River	Campbell	Dodge		9,715	1	Good	Crack / Fog	\$151,122	
River	Shannon	La Cholla		5,730	1	Poor	Patch / Crack / Micro	\$178,267	
Thornhydale	Rudolf	Daphne		8,157	1	Good / Fair	Patch / Crack / Micro	\$253,773	
Sabino Canyon +	Ventana	River		6,743	1	Fair	Patch / Crack / Micro	\$209,782	
Sunnrise	Swan	Craycroft		5,394	1	Good / Fair	Patch / Crack / Micro	\$167,813	
Palo Verde	44th	Gas		6,028	2	Good	Crack / Fog	\$93,769	District 1 Total \$1,166,891
Tucson Mountain	Subdivision			10,241	3	Failed	Mill / Fill 2"	\$541,635	District 2 Total \$93,769
Ruthrauff	I-10	La Cholla		5,098	3	Poor	Patch / Crack / Micro	\$181,262	
Curtis	Kain	La Cholla		2,624	3	Failed	Mill / Fill 2"	\$106,126	
Manville	Avra	Anway		5,280	3	Failed	Mill / Fill 2"	\$213,547	
Kinney	Ajo	Naomi		11,473	3	Fair - Poor	Patch / Crack / Micro	\$318,694	
Kain	Ruthrauff	Davis		2,561	3	Failed	Mill / Fill 2"	\$103,578	
Wade	Valencia	Pebble Valley		4,083	3	Failed - Poor	Overlay 2"	\$266,756	
Ruthrauff / Wetmore	La Cholla	Fairview		9,419	3	Good	Crack / Fog	\$146,518	District 3 Total \$1,878,117
Freeman	Calle Aurora	north 1 mile		5,280	4	Failed	Overlay 2"	\$253,440	
Esperanza	Abrego	Desert Bell		3,721	4	Failed	Mill / Fill 2" + patching	\$525,488	
Ventura	Subdivision			11,434	4	Good	Crack / Chip / Fog	\$97,824	
Pistol Hill	Old Spanish	Colossal Cave		10,689	4	Good / Fair	Patch / Crack / Micro	\$171,024	District 4 Total \$1,047,776
Los Reales	Mission	Sorrell		8,699	5	Poor - Failed	Overlay 2"	\$301,565	
Irvington	Mission	Cactus Wren		5,714	5	Failed	Overlay 2"	\$319,984	
Mountain Gardens	Subdivision			4,392	5	Poor	Crack / Chip / Fog	\$44,408	
Valencia	Camino de la	Mark		10,715	5	Good	Crack / Fog	\$161,916	District 5 Total \$827,873
								\$5,013,626	Grand Total \$5,013,626

DOT Pavement Preservation Program With District 1 Recommendations

\$5 Million Pavement Preservation Program FY 2013/2014

Key	Route	From	To	BOS	Condition Rating	Treatment	BOS	Comments
	Thornycroft Sabino Town and Country Estates	Linda Vista Subdivision	Daphne	1	Failed	Mill / Fill 2"		
	Golden Heritage Village	Subdivision		1	Poor	Overlay 2"		
	Oasis	Cmo de Oeste	Twin Peaks	1	Failed	Mill / Fill 2"		curb
	Bowman	Golder	Rollins	1	Poor	Overlay 2"		
	Palo Verde	44th	Gas	2	Good	Overlay 2"	\$1,056,640	
	Tucson Mountain Village	Subdivision		3	Failed	Crack / Fog	\$93,769	
	Ruthrauff	L-10	La Cholla	3	Poor	Mill / Fill 2"		
	Curas	Kain	La Cholla	3	Failed	Patch / Crack / Micro		
	Manville	Avra	1 mile west	3	Failed	Mill / Fill 2"		
	Kinney	Ajo	Naomi	3	Failed	Mill / Fill 2"		Mile 1 of 4
	Kain	Ruthrauff	Curtis	3	Fair - Poor	Patch / Crack / Micro		Extra TC, eliminate due to CIP?
	Wade	Valencia	Pebble Valley	3	Failed - Poor	Mill / Fill 2"		
	Ruthrauff / Wetmore	La Cholla	Fairview	3	Failed	Overlay 2"		Safety Shoulder / Milling / extra TC
	Freeman	Calle Aurora	Saint James	3	Good	Crack / Fog	\$1,878,117	
	Esperanza	Abrego	Desert Bell	4	Failed	Overlay 2"		Start date 11-5
	Ventura	Subdivision		4	Failed	Mill / Fill 2" + patching		
	Pistol Hill	Old Spanish Trail	Colossal Cave	4	Good	Crack / Chip / Fog		
	Los Reales	Mission	Sorrell	4	Good / Fair	Patch / Crack / Micro	\$1,047,776	
	Mountain Gardens	Subdivision		5	Poor - Failed	Overlay 2"		
	Irvington	Mission	Cactus Wren	5	Poor	Crack / Chip / Fog		
	Valencia	Camino de la Tierra	Mark	5	Failed	Overlay 2"		Add turn lane at school; safety shoulder
				5	Good	Crack / Fog	\$827,873	
							\$4,904,175	

REVISED 11/07/13



MEMORANDUM

Date: February 21, 2014

To: John Bernal
Deputy County Administrator for Public Works

From: C.H. Huckelberry
County Administrator 

Priscilla Cornelio, Director
Transportation Department

Re: **Colossal Cave Road Improvements**

At the Board of Supervisors Public Hearing of February 18, 2014, the Board allocated an additional approximate \$872,000 to this project. In addition, the Vail School District committed \$100,000 for the overall improvements, which will significantly improve access and safety to Acacia Elementary School and Old Vail Middle School. Together with available impact fees of \$1.3 million and committed Regional Transportation Authority (RTA) funds of \$1.4 million, total overall project funding stands at \$3,572,000. In addition, I understand the RTA could increase their funding allocation by 10 percent (an additional \$140,000) to cover an expanded scope of services to improve access to the public schools. Hence, the overall project funding stands at \$3,712,000.

I ask the Department of Transportation take those steps necessary to consolidate the Rincon Valley and Mountain View Impact Fee Benefit Areas to improve flexibility of utilizing funds to improve critical roadway improvements for capacity and safety in both benefit areas. This should provide sufficient flexibility to fund an appropriate capacity improvement project from Mary Ann Cleveland Way to south of Acacia Elementary School.

I also ask that the Department of Transportation provide priority implementation of this project and treat it as a pilot project; taking those actions necessary to reduce construction engineering, management and design costs so that overall project investments facilitate real and measurable transportation improvements for Colossal Cave Road.

The capacity and traffic safety problems associated with this area are evident and also unique in that in no other area of Pima County do we have two railroad crossings bisecting the commercial heart of a community. These railroad crossings are extraordinary expensive to reconstruct; and widening a highway crossing is estimated to cost at least \$750,000 per crossing. Hence, I request that staff evaluate with Union Pacific Railroad, the most cost

Mr. John Bernal and Ms. Priscilla Cornelio
Re: **Colossal Cave Road Improvements**
February 20, 2014
Page 2

effective widening alternative to ensure that the improvement of the railroad crossing, once it occurs, is sufficient to add at least the necessary capacity for this project (three-way widening, continuous left turn, and bicycle paths as well as a potential five lane cross section). As evidenced by testimony from numerous Vail residents, the Vail School District, members of the Vail Community Action Board, and others, this project should receive priority implementation.

I am asking Deputy County Administrator John Bernal to oversee the direct implementation of this project now that the Board of Supervisors has directed additional funding and indicated their desire to see the improvements completed as soon as possible.

CHH/anc

c: The Honorable Chair and Members, Pima County Board of Supervisors
Rick Ellis, Division Manager, Transportation Department
Bob Roggenthen, Civil Engineering Manager, Transportation Department

Completed Pavement Preservation Plan

Pima County Department of Transportation
 Fiscal Year 2013-2014
 Pavement Preservation Program
 August 6, 2014

Route	From	To	Treatment	Engineer's Estimate	Comments
Oasis	Cmo de Oeste	Twin Peaks	Overlay 2"	\$330,789	Complete
Palo Verde	44th	Gas	Crack / Fog	\$93,769	Complete
Tucson Mountain Village	Subdivision		Mill / Fill 2"	\$541,635	Complete
Ruthrauff	I-10	La Cholla	Patch / Crack / Micro	\$181,262	In Progress
Curtis	Kain	La Cholla	Mill / Fill 2"	\$106,126	Complete
Manville	Avra	1 mile west	Mill / Fill 2"	\$213,547	Complete
Kinney	Ajo	Naomi	Patch / Crack / Micro	\$318,694	Complete
Kain	Ruthrauff	Curtis	Mill / Fill 2"	\$103,578	Complete
Wade	Valencia	Pebble Valley	Overlay 2"	\$266,756	Complete
Ruthrauff / Wetmore	La Cholla	Fairview	Crack / Fog	\$146,518	Complete
Freeman	Calle Aurora	Saint James	Overlay 2"	\$253,440	Complete
Esperanza	Abrego	Desert Bell	Mill / Fill 2"+ patching	\$525,488	Complete
Ventura	Subdivision		Crack / Chip / Fog	\$97,824	Complete
Pistol Hill	Old Spanish Trail	Colossal Cave	Patch / Crack / Micro	\$171,024	Complete
Los Reales	Mission	Sorrell	Overlay 2"	\$301,565	In Progress
Mountain Gardens	Subdivision		Crack / Chip / Fog	\$44,408	Complete
Invington	Mission	Cactus Wren	Overlay 2"	\$319,984	Complete
Valencia	Camino de la Tierra	Mark	Crack / Fog	\$161,916	Complete
Benson Highway	Country Club	Valencia	Mill / Fill 2"	\$1,628,977.78	Complete
Alvernon	Los Reales	Hughes Access	Overlay 2"	\$477,824.00	Complete
Contractors WWay	Ajo	Irvington	Mill / Fill 2"	\$179,007.11	Complete