



MEMORANDUM

Date: May 14, 2014

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

From: C.H. Huckelberry
County Administrator 

Re: **Pavement Preservation Cost Estimates Update**

Supervisor Ally Miller's office contacted the Department of Transportation to request the current cost estimate for upgrading roadways within Supervisorial District 1.

The Board may recall I transmitted a memorandum on March 18, 2014 with the subject heading "*Additional Transportation Investment Information Requested by the Board of Supervisors at the Meeting of February 18, 2014.*" This memorandum included two tables that provided pavement preservation cost estimates for Arterial and Collector Roadways and for Local Paved Roadways (Attachment 1). The data provided in these tables was drawn from a dataset dated May 22, 2013.

Attached are these two tables with cost estimates as of June 30, 2013 (Attachment 2). Since this is a continuous effort, we will continue to update this information based on additional data gathered regarding the condition of pavements in our street and roadway system. The completion of our pavement rehabilitation efforts resulting from Board of Supervisors authorized expenditures will also be reflected in this updated information.

Please contact Transportation Director Priscilla Cornelio or Deputy County Administrator John Bernal if you have any questions regarding this information.

CHH/mjk

Attachments

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

ATTACHMENT 1

**ATTACHMENT 5A
ARTERIAL AND COLLECTOR ROADWAY CONDITION IMPROVEMENT COST ESTIMATES**

District	Condition	Arterial	Collector	Combined Arterial + Collector	Treatment Type	Cost Per Mile	Cost	Total Cost
1	Failed	4	13	17	Rehabilitation	\$213,500	\$3,629,500	
	Poor	24	38	62	Rehabilitation	\$213,500	\$13,237,000	
	Fair	7	3	10	Major Seal Coat	\$53,375	\$533,750	
	Good	29	3	32	Minor Seal Coat	\$15,250	\$488,000	
	Very Good	24	4	28	None	\$0	\$0	
1 Total		88	61	149				\$17,888,250
2	Failed	1	4	5	Rehabilitation	\$213,500	\$1,067,500	
	Poor	7	8	15	Rehabilitation	\$213,500	\$3,202,500	
	Fair	9	2	11	Major Seal Coat	\$53,375	\$587,125	
	Good	7	1	8	Minor Seal Coat	\$15,250	\$122,000	
	Very Good	2	4	6	None	\$0	\$0	
2 Total		26	19	45				\$4,979,125
3	Failed	1	67	68	Rehabilitation	\$213,500	\$14,518,000	
	Poor	4	115	119	Rehabilitation	\$213,500	\$25,406,500	
	Fair	-	16	16	Major Seal Coat	\$53,375	\$854,000	
	Good	1	15	16	Minor Seal Coat	\$15,250	\$244,000	
	Very Good	15	12	27	None	\$0	\$0	
3 Total		21	225	246				\$41,022,500
4	Failed	5	33	38	Rehabilitation	\$213,500	\$8,113,000	
	Poor	22	50	72	Rehabilitation	\$213,500	\$15,372,000	
	Fair	10	29	39	Major Seal Coat	\$53,375	\$2,081,625	
	Good	5	20	25	Minor Seal Coat	\$15,250	\$381,250	
	Very Good	7	12	19	None	\$0	\$0	
4 Total		49	144	193				\$25,947,875
5	Failed	3	3	6	Rehabilitation	\$213,500	\$1,281,000	
	Poor	2	18	20	Rehabilitation	\$213,500	\$4,270,000	
	Fair	1	3	4	Major Seal Coat	\$53,375	\$213,500	
	Good	-	-	-	Minor Seal Coat	\$15,250	\$0	
	Very Good	5	1	6	None	\$0	\$0	
5 Total		11	25	36				\$5,764,500
GRAND TOTAL		195	474	669				\$95,602,250

May 22, 2013 dataset; includes Fiscal Year 2012/13 projects

**ATTACHMENT 5B
LOCAL PAVED ROADWAY CONDITION IMPROVEMENT COST ESTIMATES**

District	Condition	Local Roadway Mileage	Treatment Type	Cost Per Mile	Cost	Total Cost
1	Failed	63	Rehabilitation	\$213,500	\$13,450,500	
	Poor	276	Rehabilitation	\$213,500	\$58,926,000	
	Fair	48	Major Seal Coat	\$53,375	\$2,562,000	
	Good	26	Minor Seal Coat	\$15,250	\$396,500	
	Very Good	30	Nothing	\$0	\$0	\$75,335,000
1 Total		443				
2	Failed	12	Rehabilitation	\$213,500	\$2,562,000	
	Poor	25	Rehabilitation	\$213,500	\$5,337,500	
	Fair	6	Major Seal Coat	\$53,375	\$320,250	
	Good	12	Minor Seal Coat	\$15,250	\$183,000	
	Very Good	16	Nothing	\$0	\$0	\$8,402,750
2 Total		71				
3	Failed	29	Rehabilitation	\$213,500	\$6,191,500	
	Poor	123	Rehabilitation	\$213,500	\$26,260,500	
	Fair	30	Major Seal Coat	\$53,375	\$1,601,250	
	Good	32	Minor Seal Coat	\$15,250	\$488,000	
	Very Good	63	Nothing	\$0	\$0	\$34,541,250
3 Total		277				
4	Failed	13	Rehabilitation	\$213,500	\$2,775,500	
	Poor	139	Rehabilitation	\$213,500	\$29,676,500	
	Fair	32	Major Seal Coat	\$53,375	\$1,708,000	
	Good	34	Minor Seal Coat	\$15,250	\$518,500	
	Very Good	70	Nothing	\$0	\$0	\$34,678,500
4 Total		288				
5	Failed	7	Rehabilitation	\$213,500	\$1,494,500	
	Poor	61	Rehabilitation	\$213,500	\$13,023,500	
	Fair	12	Major Seal Coat	\$53,375	\$640,500	
	Good	18	Minor Seal Coat	\$15,250	\$274,500	
	Very Good	8	Nothing	\$0	\$0	\$15,433,000
5 Total		106				
GRAND TOTAL		1,185				\$168,390,500

May 22, 2013 dataset; includes Fiscal Year 2013 projects

ATTACHMENT 2

ARTERIAL AND COLLECTOR ROADWAY CONDITION IMPROVEMENT COST ESTIMATES

As of June 30, 2013

Condition	ARTERIAL	COLLECTOR	Combined Arterial AND Collector	Treatment Type	Cost Per Mile	Cost
D1	Failed	4	13	17	Rehabilitation	\$3,629,500
	Poor	24	38	62	Rehabilitation	\$13,237,000
	Fair	7	3	10	Major Seal Coat	\$53,375
	Good	29	3	32	Minor Seal Coat	\$488,000
	Very Good	24	4	28	Nothing	\$0
		88	61	149		\$17,888,250
D2	Failed	1	4	5	Rehabilitation	\$1,067,500
	Poor	7	8	15	Rehabilitation	\$3,202,500
	Fair	9	2	11	Major Seal Coat	\$587,125
	Good	7	1	8	Minor Seal Coat	\$122,000
	Very Good	2	4	6	Nothing	\$0
		26	19	45		\$4,979,125
D3	Failed	1	67	68	Rehabilitation	\$14,518,000
	Poor	4	115	119	Rehabilitation	\$25,406,500
	Fair	-	16	16	Major Seal Coat	\$854,000
	Good	1	15	16	Minor Seal Coat	\$244,000
	Very Good	15	12	27	Nothing	\$0
		21	225	246		\$41,022,500
D4	Failed	5	33	38	Rehabilitation	\$8,113,000
	Poor	22	50	72	Rehabilitation	\$15,372,000
	Fair	10	29	39	Major Seal Coat	\$2,081,625
	Good	5	20	25	Minor Seal Coat	\$381,250
	Very Good	7	12	19	Nothing	\$0
		49	144	193		\$25,947,875
D5	Failed	3	3	6	Rehabilitation	\$1,281,000
	Poor	2	18	20	Rehabilitation	\$4,270,000
	Fair	1	3	4	Major Seal Coat	\$213,500
	Good	-	-	-	Minor Seal Coat	\$0
	Very Good	5	1	6	Nothing	\$0
		11	25	36		\$5,764,500
		195	474	669		\$95,602,250

LOCAL ROADWAY CONDITION IMPROVEMENT COST ESTIMATES

As of June 30, 2013

Condition	LOCAL	Treatment Type	Cost Per Mile	Cost
D1	Failed	63 Rehabilitation	\$213,500	\$13,450,500
	Poor	276 Rehabilitation	\$213,500	\$58,926,000
	Fair	48 Major Seal Coat	\$53,375	\$2,562,000
	Good	26 Minor Seal Coat	\$15,250	\$396,500
	Very Good	30 Nothing	\$0	\$0
		443		\$75,335,000
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	Poor	25 Rehabilitation	\$213,500	\$5,337,500
	Fair	6 Major Seal Coat	\$53,375	\$320,250
	Good	12 Minor Seal Coat	\$15,250	\$183,000
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		71		\$8,402,750
D3	Failed	29 Rehabilitation	\$213,500	\$6,191,500
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	Poor	139 Rehabilitation	\$213,500	\$29,676,500
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	Very Good	8 Nothing	\$0	\$0
		106		\$15,433,000
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