

This office evaluates County owned roads in a two-year cycle. The road survey follows American Society for Testing & Materials (ASTM) standard practices for pavement condition index measurement. The pavement condition index (PCI) rating is automatically generated and deducted from the score 100 (excellent) to 0 (failed) after 3D road profile scanning (MicroPaver Rating chart attached).

Our current countywide network PCI is goal is 74.9 (fair to good condition). Our goal to maintain countywide network PCI is 85.

The budget in need for achieving the network PCI 85 goal in next 10 years:

Primary Roads (192 miles) – 4.3 mil/consecutive year

Residential Roads (870 miles) – 11 mil/ consecutive year

If we continue maintaining the budget with \$5 mil/year (i.e., like FY17's) for next ten years, then our forecast PCIs are :

Primary Roads – 2 mil/consecutive year, PCI declines to 65.1 (fair condition)

Residential Roads – 3 mil/ consecutive year, PCI declines to 68.1 (fair condition)

# HIGHWAYS ROAD REPAIR INVENTORY (Year 2002-2016)

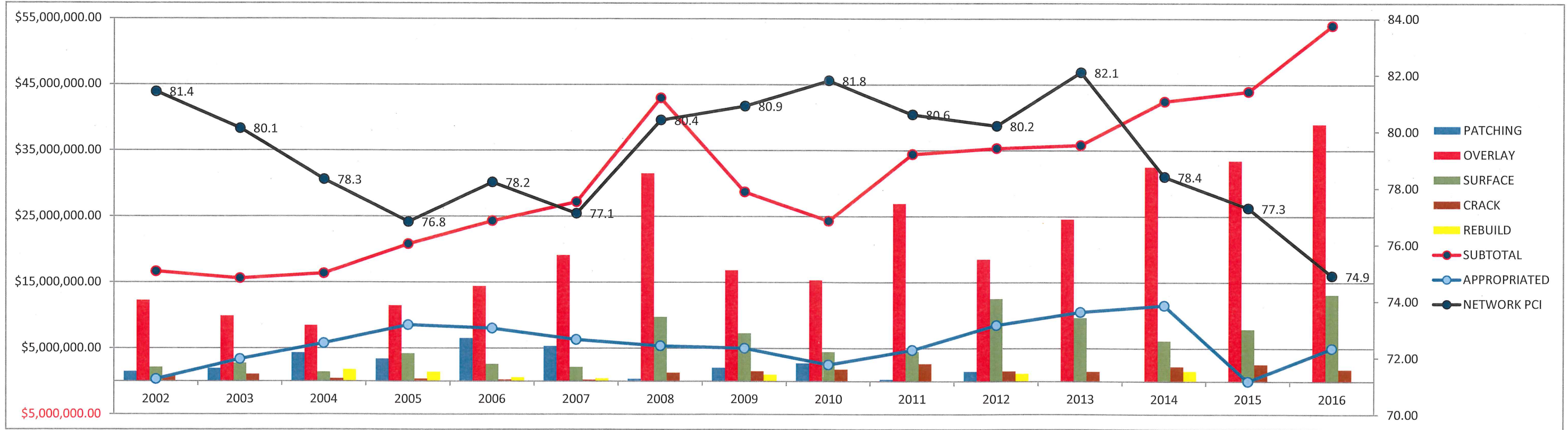
As of 11/20/16

	2002	2003	2004	Note# 1 2005	2006	2007	Note# 2 2008	Note# 3 2009	2010	2011	2012	2013	Note# 4 2014	2015	2016
PATCHING	\$1,471,375.00	\$1,933,412.00	\$4,309,910.00	\$3,373,928.00	\$6,500,730.00	\$5,301,286.00	\$383,206.00	\$2,046,049.00	\$2,738,846.00	\$275,641.20	\$1,512,865.00	\$56,760.00	-	-	-
OVERLAY	\$12,260,660.12	\$9,873,497.00	\$8,432,345.00	\$11,448,782.00	\$14,376,458.00	\$19,091,264.70	\$31,504,169.30	\$16,828,579.00	\$15,324,699.00	\$26,958,604.00	\$18,506,342.00	\$24,585,078.00	\$32,473,390.00	\$33,440,705.81	\$38,978,629.00
SURFACE	\$2,127,129.00	\$2,720,208.00	\$1,413,361.00	\$4,188,268.00	\$2,576,349.00	\$2,146,367.00	\$9,729,290.00	\$7,286,348.00	\$4,416,888.00	\$4,519,036.00	\$12,535,937.00	\$9,640,453.00	\$6,139,754.00	\$7,899,273.67	\$13,153,376.00
CRACK	\$754,320.00	\$1,058,016.00	\$419,314.00	\$379,648.00	\$239,331.00	\$196,606.00	\$1,307,879.00	\$1,530,826.00	\$1,808,042.00	\$2,654,447.00	\$1,563,958.00	\$1,503,628.00	\$2,241,699.00	\$2,587,468.61	\$1,794,278.00
REBUILD	-	-	\$1,771,307.00	\$1,393,994.00	\$587,171.00	\$441,760.00	-	\$1,011,413.00	-	-	\$1,204,896.00	-	\$1,561,266.00	-	-
<b>SUBTOTAL</b>	<b>\$16,613,484.12</b>	<b>\$15,585,133.00</b>	<b>\$16,346,237.00</b>	<b>\$20,784,620.00</b>	<b>\$24,280,039.00</b>	<b>\$27,177,283.70</b>	<b>\$42,924,544.30</b>	<b>\$28,703,215.00</b>	<b>\$24,288,475.00</b>	<b>\$34,407,728.20</b>	<b>\$35,323,998.00</b>	<b>\$35,785,919.00</b>	<b>\$42,416,109.00</b>	<b>\$43,927,448.08</b>	<b>\$53,926,283.00</b>

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017
APPROPRIATED	\$300,000	\$3,350,000	\$5,750,000	\$8,500,000	\$8,000,000	\$6,300,000	\$5,350,000	\$4,993,000	\$2,500,000	\$4,725,000	\$8,500,000	\$10,500,000	\$11,500,000	\$0	\$5,000,000
NETWORK PCI	81.4	80.1	78.3	76.8	78.2	77.1	80.4	80.9	81.8	80.6	80.2	82.1	78.4	77.3	74.9

(\$3,000K defunded) (\$2,500K defunded)

- Note:
- (1) Liquid asphalt adjustment starts in year 2005
  - (2) Liquid asphalt - \$825/ton in year of 2008 vs. \$395/ton in year of 2009
  - (3) Plus \$2,993,000 ARRA grant
  - (4) Begins project level road assessment follows American Society for Testing & Materials (ASTM) standard practices for pavement condition index measurement



## ROAD RESURFACING LIST

ZONE		FROM	TO	REPAIR COST
C	ANGUS VALLEY TRL	GRAY ROCK DR	CULDESAC	\$9,519
C	DAIRY VALLEY TRL	GRAY ROCK DR	CULDESAC	\$10,328
C	DON MILL CT	PAUL MILL RD	CULDESAC	\$10,325
C	DORSEY SEARCH CIR	GRAY ROCK DR	GRAY ROCK DR	\$28,644
C	HEREFORD VALLEY TRL	GRAY ROCK DR	CULDESAC	\$8,932
C	HOLLAND HERBERT CT	GRAY ROCK DR	CULDESAC	\$3,901
C	LOOKOUT CT	GRAY ROCK DR	CULDESAC	\$6,282
C	MACCUBIN VALLEY TRL	GRAY ROCK DR	CULDESAC	\$8,761
C	MELLOR VALLEY CT	GRAY ROCK DR	CULDESAC	\$35,376
C	MESA CT	DORSEY SEARCH CIR	CULDESAC	\$4,107
C	PAUL HARRIS CT	GRAY ROCK DR	CULDESAC	\$3,813
C	PAUL MILL RD	GRAY ROCK DR	GRAY ROCK DR	\$127,615
C	PEACE PIPE CT	PAUL MILL RD	CULDESAC	\$4,889
C	RHODE VALLEY TRL	GRAY ROCK DR	CULDESAC	\$11,029
C	RIVER WALK CT	PAUL MILL RD	CULDESAC	\$10,829
C	SAND CREEK CT	PAUL MILL RD	CULDESAC	\$7,773
C	SKYE CT	GRAY ROCK DR	CULDESAC	\$6,820
C	WALT MILL CT	GRAY ROCK DR	CULDESAC	\$12,936
C	YELLOWSTONE CT	PAUL MILL RD	CULDESAC	\$10,032
C	OAK LEA CT	FREDERICK RD	CULDESAC	\$21,941
C	SIMPSON RD	HALL SHOP RD	PINDELL SCHOOL RD	\$150,578
C	MURPHY RD	RTE 216	OLD COLUMBIA RD	\$180,424
C	CENTENNIAL LN	OLD ANAPLOISH RD	FREDERICK RD	\$478,192
C	WANDERING WAY	OAKLAND MILL RD	CULDESAC	\$85,571
C	CRISSCROSS CT	WANDERING WAY	CULDESAC	\$7,744
C	HONEYSALT ROW	WANDERING WAY	CULDESAC	\$8,389
C	CATFEET CT	WANDERING WAY	CULDESAC	\$10,067
C	PINECONE ROW	WANDERING WAY	CULDESAC	\$19,166
C	SARGOSSA PL	PINECONE ROW	CULDESAC	\$8,389
C	TWO HILLS CT	WANDERING WAY	CULDESAC	\$11,745
C	OAKLAND MILLS RD	THUNDERHILL RD	CULDESAC	\$27,427
C	RUPPERT CT	TOLL HOUSE RD	END	\$29,766
C	MANAHAN DR	TOLL HOUSE RD	END	\$80,599
C	TOLL HOUSE RD (PATCH ONLY)	FREDERICK RD	OLD COLUMBIA PIKE	\$55,000
C	MELLENBRROK RD	RTE 108	WEST PENFIELD RD	\$190,784

C	NORTH PENFIELD RD	MELLENBRROK RD	END	\$21,355
C	WEST PENFIELD RD	MELLENBRROK RD	END	\$25,970
C	PENFIELD CT	MELLENBRROK RD	END	\$7,891
C	MELLEN CT	MELLENBRROK RD	END	\$4,195
C	PEPPLE CT	MELLENBRROK RD	END	\$13,894
C	PEPPLE DR	MELLENBRROK RD	END	\$12,765
C	HERBERT DR	MELLENBRROK RD	NORTH PENFIELD RD	\$20,563
C	GAITHER FARM RD	RTE 108	CULDESAC	\$99,812
C	DORSCH FARM RD	GAITHER FARM RD	MANOR LA	\$130,062
C	HIDDEN FOX CT	DORSCH FARM RD	END	\$20,893
C	STEEPLECHASE CT	DORSCH FARM RD	END	\$13,364
C	BITTERSWEET CT	DORSCH FARM RD	END	\$12,208
E	ALL SAINTS RD	RTE 216	OLD SCAGGSVILLE RD	\$133,799
E	OLD SCAGGSVILLE RD	ASHBERY CT (PLAYGROUND)	CRESTHILL CT	\$34,670
E	CRESTHILL CT	OLD SCAGGSVILLE RD	END	\$16,735
E	CASTLEROCK CT	OLD SCAGGSVILLE RD	END	\$10,316
E	EVERMORE CT	OLD SCAGGSVILLE RD	OLD SCAGGSVILLE RD	\$20,274
E	ASHBERY CT	OLD SCAGGSVILLE RD	END	\$8,189
E	HANOVER CROSSING WAY	PATUXENT QUARTER RD	PATUXENT QUARTER RD	\$72,094
E	PATUXENT QUARTER RD	HANOVER RD	MILL RIVER CT	\$108,592
E	SHIPLEY CT	HANOVER CROSSING WAY	CULDESAC	\$7,734
E	TAMAR DR	RTE 175	LAMBSKIN LA	\$49,456
E	BLUE POOL	TAMAR DR	CULDESAC	\$23,420
E	CROSS HIVE CT	BLUE POOL	CULDESAC	\$6,928
E	LAMBSKIN LA	TAMAR DR	END	\$58,852
E	BRONZE BELL DR	LAMBSKIN LA	END	\$12,139
E	FLICKER PL	TAMAR DR	END	\$11,281
E	EAST COLUMBIA LIBRARY PARKING			\$300,000
E	DORSEY RUN RD	PATUXENT RANGE ROAD	OLD DORSEY RUN RD	\$153,630
E	BROKEN LAND PARKWAY	RTE 29	GUILFORD RD	\$592,976
E	SNOWDEN RIVER PKWY	RTE 108	TAMAR DR	\$461,589
E	OLD DOBBIN LN	DOBBINRD	MILLRACE CT	\$47,486
E	DOBBIN RD	RTE 175	SNOWDEN RIVER PKWY	\$179,080
E	TAMAR DR	RTE 175	LAMBSKIN LA	\$49,456
E	BLUE POOL	TAMAR DR	CULDESAC	\$23,420
E	CROSS HIVE CT	BLUE POOL	CULDESAC	\$6,928
E	LAMBSKIN LA	TAMAR DR	END	\$58,852

E	BRONZE BELL DR	LAMBSKIN LA	END	\$12,139
E	FLICKER PL	TAMAR DR	END	\$11,281
W	RIDGE HUNT DR	CARRS MILL RD	END	\$30,653
W	FARM VIEW CT	RIDGE HUNT DR	END	\$8,556
W	SOBRINA FARMS CT	WOODBINE RD	END	\$11,416
W	MUSTANG PATH	SHADY LN	END	\$44,373
W	MACCLINTOCK CT	MACCLINTOCK DR	END	\$8,613
W	HUSTER DR	MACCLINTOCK DR	END	\$2,987
W	STEVENS VALLEY CT	GARED DR	END	\$5,293
W	WOODFORD DR	OLD FREDERICK RD	END	\$63,498
W	RESORT RD (BASE ONLY)	PEBBLE BEACH RD	LEGENDS WAY	\$25,000