

# Starke County Highway Department

## Monthly Report

### August 2014

#### Summary

**MOWING** – The County mowing program is progressing as planned. We did reduce the number of mowers from 5 to 4 to give us one more driver for our chip sealing and paving.

**ROAD IMPROVEMENT PROGRAM** – During July we chip sealed 47 miles of roadway at total cost of \$325,117.86. This equates to \$6,917.40 per mile. We have already exceeded our chip sealing goal for the year. 47 miles equals the We still have a second round of chip sealing planned. We may chip seal as many as 20 extra miles, depending on funding.

We also began paving with the pug asphalt we made in June. As of today we have paved 6.5 miles of roadway. This includes sections of Range Road, 100W, 500E, 250N, and 100N, and other smaller wedge areas. We will continue paving throughout August. We will also be adding 20 miles of crack sealing and 6 miles of fog sealing to the list of Road improvements this month.

The two most common misconceptions of the Highway Department are that the workers are lazy and that the money in our budget does not go into road repairs ( The implication has always been that there is corruption). July's activities highlight the fallacy of both these misconceptions. Our drivers paved and chip sealed more miles than they ever have in a month. GPS shows just how hard they worked. In particular, the paving crew of Ricky Fisher, Tony Dowd, Louis Sommerfield, George Pranger, and Ralph Saine. As for not getting the funding directly into road improvements, the chart below shows that we put the funds directly into stone and oil which goes directly into road repairs. We know the costs to the penny. Better than charts and graphs however is the proof out in the field, we can give anyone who wants a tour of every mile we improved. Seeing actual new pavement says volumes more than any number on this report. By the way, the \$150,000 we saved in construction fees and the \$70,000 we saved in patch costs because we made our own went directly into additional road improvements. In addition we will be adding approximately \$35,000 more to our paving budget by adding of roads to our inventory that we have already been maintaining. This means an added \$255,00 to our paving budget next year.

### CHIP SEAL COSTS

Day	DATE	LOADS	GALLONS	OIL COST	MATERIAL COST	TOTAL COST	MILES COMPLETED*	COST PER MILE
1	15-Jul-14	1	5536.61	\$10,131.99	\$1,365.00	\$11,496.99	1.6	\$7,185.62
2	16-Jul-14	3	18516.21	\$34,810.44	\$4,680.00	\$39,490.44	4.9	\$8,227.18
3	17-Jul-14	3	17519.81	\$32,937.24	\$5,070.00	\$38,007.24	5.3	\$7,309.08
4	18-Jul-14	4	24000	\$45,120.00	\$7,215.00	\$52,335.00	7.5	\$7,072.30
5	21-Jul-14	3	18124.84	\$34,074.70	\$5,850.00	\$39,924.70	6	\$6,654.12
6	22-Jul-14	3	17421.37	\$32,752.18	\$5,460.00	\$38,233.38	5.8	\$6,827.39
7	23-Jul-14	3	17721.49	\$33,316.40	\$5,850.00	\$39,166.40	6	\$6,527.73
8	24-Jul-14	3	17843.93	\$33,546.59	\$5,850.00	\$39,396.59	6	\$6,566.10
9	25-Jul-14	2	12489.8	\$23,480.82	\$3,607.50	\$27,088.32	3.9	\$7,321.68
		25	149174.06	\$280,170.36	\$44,947.50	\$325,117.86	47	\$6,917.40

\*- Readjusted to include intersections and culvert covers

ROAD INVENTORY ADDITIONS AND SUBTRACTIONS

ROAD INVENTORY UNIT MILEAGE CERTIFICATION CHANGE REQUEST (ATTACHMENT)			
ROADS	FROM	TO	REQUESTED MILES
<b>County Rd. 350 S. off 750 E.</b>	750E (LAT 41.251853, LONG 86.553266)	END OF PAVEMENT ( LAT 41.251264, LONG 86.547247)	0.3300
<b>Rosebud Court</b>	LAT 41.255960, LONG 86.555265	LAT 41.254308, LONG 86.555456	0.1000
<b>Rosewood Lane</b>	LAT 41.257980, LONG 86.557733	LAT 41.255938, LONG 86.553297	0.3800
<b>Chesapeake Run (All Roads)</b>			0.7910
Chesapeake Run	LAT 41.209673, LONG 86.744341	LAT 41.205144, LONG 86.744051	0.7910
Jones Drive	LAT 41.209687 LONG 86.744112	LAT 41.208162, LONG 86.745063	0.1009
Hagen Circle	LAT 41.208407, LONG 86.744865	LAT 41.208359, LONG 86.743657	0.0546
Masters Way	LAT 41.207982, LONG 86.745364	LAT 41.203634, LONG 86.745918	0.3066
Sawgrass Dr.	LAT 41.205209, LONG 86.744299	LAT 41.203358, LONG 86.744257	0.1295
Brooks Bluff	LAT 41.205239, LONG 86.745944	LAT 41.205250, LONG 86.743013	0.1548
Palmer Circle	LAT 41.207209, LONG 86.744520	LAT 41.206563, LONG 86.744900	0.0446
<b>Quail Run Subdivision</b>			0.5400
Fox Crossing			
Quail Run South			
Quail Run East			
<b>860 E. off 50 S.</b>	LAT 41.297992, LONG 86.530961	LAT 41.295285, LONG 86.530743	0.2000
<b>Garba Street.</b>	LAT 41.355015, LONG 86.536307	LAT 41.331500, LONG 86.536292	0.2500
<b>Hazel St. off 100 W.</b>			0.0700
<b>Kamar off 350 W.</b>	350 W (LAT 41.236713, LONG 86.766126)	END OF PAVEMENT (LAT 41.236862, LONG 86.760689)	0.2600

<b>Angela Dr. off Toto Rd.</b>	Toto Rd. (LAT 41.259120, LONG 86.723448)	END OF PAVEMENT (LAT 41.256472, LONG 86.723453)	0.1800
<b>Slipaway Bay ( All Roads)</b>			0.8000
Shipping Lane West	LAT 41.410111, LONG 86.488229	LAT 41.407623, LONG 86.489982	0.2262
Shipping Lane East	LAT 41.410128, LONG 86.488235	LAT 41.408546, LONG 86.487228	0.1610
Anchor Dr.	LAT 41.408569, LONG 86.490036	LAT 41.408526, LONG 86.485926	0.2130
Canoe Court	LAT 41.407649, LONG 86.490027	LAT 41.407604, LONG 86.488789	0.0637
Captains court	LAT 41.410122, LONG 86.488606	LAT 41.409219, LONG 86.488632	0.0602
Navigator Drive	SOUTH AVE (LAT 41.411070, LONG 86.488238)	END OF PAVEMENT (LAT 41.410081, LONG 86.488241)	0.0644
<b>Peppermint Rd. Off 100 E.</b>	100 E (LAT 41.217358, LONG 86.678967)	SPEARAMINT LANE (LAT 41.217374, LONG 86.675154)	0.2000

<b>Spearamint Rd. off 100 E.</b>	LAT 41.218111, LONG 86.675171	LAT 41.215915, LONG 86.675143	0.1500
<b>Hillcrest Rd. off S. 600 W.</b>	LAT 41.207540, LONG 86.811084	LAT 41.206172, LONG 86.811056	0.2700
<b>S. 590 W. off 600 W. 700 S.</b>	600 W (LAT 41.199231, LONG 86.817308)	700 S (LAT 41.200972, LONG 86.812271)	0.2000
<b>W. 250 S. off Range Rd.</b>	RANGE RD. (LAT 41.266498, LONG 86.703635)	LAT 41.266412, LONG 86.698372	0.3000
<b>S. Fernwood off 200 S.</b>	200 S (LAT 41.273599, LONG 86.705594)	END OF PAVEMENT (LAT 41.279717, 86.706183)	0.5000
<b>E. 250 S. off 700 E.</b>	250 S (LAT 41.266329, LONG 86.569563)	700 E (LAT 41.266241, LONG 86.562906)	0.2500
<b>S. 750 E. off 50 S.</b>	750 E. 200 S (LAT 41.295203, LONG 86.553306)	END OF PAVEMENT (LAT 41.291622, LONG 86.553371)	0.2300
<b>E. 75 N. off SR 23</b>	SR 23 (LAT 41.313384, LONG 86.524309)	LAT 41.313464, LONG 86.533902	0.5000
<b>E. Frost Ave. off 1100 E.</b>	CHEROKEE RD (LAT 41.418410, LONG 86.489132)	END OF PAVEMENT (LAT 41.417527, LONG 86.489145)	0.2200

<b>Wild Rose Dr. off 700 E.</b>	700 E (LAT 41.256569, LONG 86.562896)	ROSEBUD BLVD (LAT 41.257958, LONG 86.557767)	0.5500
<b>W. 250 S. off 100 W.</b>	100 W (LAT 41.266379, LONG 86.717539)	END OF PAVEMENT (LAT 41.266437, LONG 86.713580)	0.2500
<b>675 E. off 250 S. Near 700 E.</b>	250 S (LAT 41.266322, LONG 86.567649)	LAT 41.263901, LONG 86.567524)	0.1700
<b>Lakewinds Blvd. off 650 S.</b>	650 S (LAT 41.208274, LONG 86.588793)	END OF PAVEMENT (LAT 41.205413, LONG 86.588709)	0.3500
<b>Linwood Ave. off 600 E.</b>	MINT ST (LAT 41.215569, LONG 86.581300)	POPLAR ST (LAT 41.213778, LONG 86.581.292)	0.2500
<b>CR 400 E. off 210</b>	LAT 41.211815, LONG 86.619929	LAT 41.172046, LONG 86.621268	0.4000
<b>Calumet Ave.</b>	LAT 41.414420, LONG 86.484664	LAT 41.414029, LONG 86.484721	0.0264
<b>Kramer Lane</b>	LAT 41.418109, LONG 86.472063	LAT 41.417119, LONG 86.472802	0.1267

**LOCAL BRIDGE REPLACEMENTS** We are opening the re-bids today for the replacement of Bridges 86, 31. We are also submitting the specs and plan sheets for bridges 70 and 79. The bids for these will be opened on October 6th, 2014. The emergency bridge repairs have begun and our on schedule for an August 15<sup>th</sup> completion date. The bridge will be re-opened as soon as our bridge inspector gives approval for reopening.

**INTERSECTION SAFETY – SPORTY’S FOUR WAY STOP** – We will be adding the four way stop as soon as Sporty’z has completed their building improvements.

**BRIDGE MAINTENANCE** – Our bridge maintenance crew completed the sealing of all our concrete bridge decks and railings. This help preserve the bridges and reduce repair and replace costs.