

# Starke County Highway Department

## Monthly Report

### July 2014

#### Summary

**MOWING** – The County mowing program is progressing as planned. We are beginning our fourth cycle of mowing. We currently have seven part-time mowers on staff. This allows us to keep a full complement of mowers on the road five days a week despite the part time hour limitations.

**ROAD IMPROVEMENT PROGRAM** – During June we used our pug mill to create 6170 tons of asphalt. We also produce 445 tons of patching material. Our cost was \$29.78 per ton. This represents a great savings over our costs of hauling in patch material from Central Paving at \$95.00 a ton (cost of the patch, diesel fuel to haul, and the driver's time). Our annual patch material costs will decrease from approximately \$105,000 a year to \$33,000 a year for a savings of \$72,000 per year. Based on initial reports from our drivers the patch material we have made is superior to that created by Central Paving. Ricky Fisher, our pug mill operator, deserves and has received a letter of commendation for his file as a result of his excellent work in creating the pug and patch. We will use the pug we made to do our paving and wedging. This will begin in two weeks after we have completed one round of chip seal in Koontz Lake and in other areas in the northeast corner of the County. We are on track to complete our planned 145 miles of road improvements

LOADS	DATE	TIME	GALLONS	OIL COST	MATERIAL COST	TOTAL COST	TONS PRODUCED	TYPE
1	16-Jun-14	9:15am	6009.58	\$11,298.01	\$3,434.08	\$14,732.09	429.26	AE-150V/11
2	16-Jun-14	12:30pm	5968.86	\$11,221.46	\$3,410.80	\$14,632.26	426.35	AE-150V/11
3	17-Jun-14	4:45am	5492.22	\$10,325.37	\$3,138.40	\$13,463.77	392.3	AE-150D/11
4	17-Jun-14	8:00am	5746.1	\$10,802.69	\$3,283.48	\$14,085.96	410.44	AE-150D/11
5	17-Jun-14	10:15am	5645.5	\$10,613.56	\$3,226.00	\$13,838.60	403.25	AE-150D/11
6	18-Jun-14	4:55am	6488.62	\$12,198.61	\$3,707.78	\$15,906.39	463.47	AE-150D/11
7	18-Jun-14	7:15am	5635.93	\$10,595.55	\$3,220.53	\$13,816.08	402.57	AE-150D/11
8	18-Jun-14	10:00am	5724.55	\$10,762.15	\$3,271.17	\$14,033.32	408.9	AE-150D/11
9	19-Jun-14	4:33am	5676.65	\$10,672.10	\$3,243.80	\$13,915.90	405.48	AE-150D/11
10	19-Jun-14	7:30am	5729.34	\$10,771.16	\$3,273.91	\$14,045.07	409.24	AE-150D/11
11	19-Jun-14	8:30am	5700.6	\$10,717.13	\$3,257.49	\$13,974.62	407.19	AE-150D/11
12	19-Jun-14	10:58am	5674.25	\$10,667.59	\$3,242.43	\$13,910.02	405.3	AE-150D/11
13	25-Jun-14	5:00am	5731.74	\$10,775.67	\$3,275.28	\$14,050.95	409.41	AE-150D/11
14	25-Jun-14	6:35am	5746.11	\$10,802.69	\$3,283.49	\$14,086.18	410.44	AE-150D/11
15	25-Jun-14	9:00am	5415.57	\$10,182.27	\$3,094.61	\$13,276.88	386.83	AE-150D/9
16	25-Jun-14	11:00am	5980.84	\$13,277.46	\$2,990.00	\$16,267.46	445.75	AE-200D/9
			92366.46	\$175,683.47	\$52,353.25	\$228,035.55	6616.18	

**CULVERT REPLACEMENTS** – We have replaced ten culvert/pipes as of July 1st. We have one more on our schedule for July. Any other pipe replacements will be on an as needed basis..

ROAD	PIPE LOCATION	DATE COMPLETED	PIPE USED	OPERATOR	NOTES
900S	1375' WEST OF 100E	5/14/2014	50' OF 30"	Bill Crase	
875E	1550' SOUTH OF 625S	5/27/2014	35' OF 18"	Bill Crase	
700E	1550 NORTH OF 625S	5/16/2014	50' OF 18"	Terry McIntire	
1100E	2600 SOUTH OF 750S	5/21/2014	40' OF 36"	Bill Crase	
650S	200' EAST OF 600E	5/2/2014	50' OF 24"	Tony Dowd	
400S	1800' WEST OF ENGLISH LAKE ROAD	5/20/2014	NO PIPE USED	N/A	CHANNEL CLEANED OUT, FLOWING WELL
600E	200' SOUTH OF 650S	6/4/2014	50' OF 30"	Bill Crase	
725W	TOTO ROAD INTERSECTION	6/10/2014	70' of 72"	Ricky Fisher	
700S	2200' EAST OF 200W	6/12/2014	N/A	Bill Crase	Waiting for water to subside
700S	1288' west of 500W	6/6/2014	40' of 30"	Bill Crase	
650W	1500' SOUTH OF TOTO ROAD	NOT DONE	N/A	Bill Crase	50' of 72" pipe to be used

**700S FLOODING--ROAD BUILDUP** – Over the last few years 700S from 100W to 200W has had an area of severe flooding. Temporary fixes have been put in place. Last month we implemented a more permanent fix. Thanks to “free” fill material provided by local concrete plants we were able to build the road and replace a culvert in a few days. (see pics)



**BRIDGE REPLACEMENTS –**

**LOCAL BRIDGE REPLACEMENTS** We are opening the bids today for the replacement of Bridges 86, 31, and the emergency repairs on bridge 27. We are also submitting the specs and plan sheets for bridges 70 and 79. The bids for these will be opened on August 4, 2014.

**INTERSECTION SAFETY – SPORZY'S FOUR WAY STOP** – LTAP/Purdue University has completed the traffic study on CR210 at Sparty's Pub on Bass Lake. The attached report is being presented to the commissioner's for their approval.

