

Starke County Highway Department

Monthly Report

November 4, 2013

Summary

WINTER PREPARATIONS – As reported last month we are ready for winter operations. We have also stored our summer equipment in the Glove factory (tractors, mowers, paver, chip box, roller, etc..)

ROAD IMPROVEMENT PROGRAM – The 2013 Road Improvements are complete. We improved 115.3 miles of road. These included chip sealing, wedging, re-stoning gravel roads, and one mile of hot-mix. This was a significant improvement over the last four years but is still not up to the level that will allow our overall road system to improve. Thanks to the additional funding provided by the state next year the Highway Department will be able to increase the number of miles we can repair and provide an overall improvement to our road system. The chart below illustrates both the number of improved miles in each year from 2009 to the present and the projected improved miles for the next three years based on the Department's five year asset management plan. The "net lane mile years" row indicates the overall impact of the road improvements to the county road system.

ROAD IMPROVEMENTS	2009	2010	2011	2012	2013	2014	2015	2016
CHIP SEAL	39.75	0	12.75	0	47	75	75	75
PUG/WEDGE	3.5	8	0	4	6	12	15	15
RE-STONE	0	0	0	0	61	50	50	50
HOT-MIX	10.75*	0	0	0	1.25	1	2	2
TOTAL MILES IMPROVED	54*	8	12.75	4	115.3	138	142	142
LANE MILE YEARS ADDED	474.5	80	89.25	40	560.3	815	860	860
LANE MILE YEARS LOST	688	688	688	688	688	688	688	688
NET LANE MILE YEARS	-213.5	-600	-598.75	-648	-128.5	127	172	172

	RE-STONE	CHIP SEAL	FOG SEAL	PUG/WEDGE	HOT MIX
LANE MILE YEARS ADDED PER TREATMENT	2	7	8	10	15

The Highway Department is currently compiling the list of roads we will recommend for improvement in 2014. These recommendations will be based on a three tiered system of assessment. Each driver was asked to submit a list of roads for improvement in his area. These will be combined with the recently completed PASER ratings and the Superintendent assessments to create a list to be submitted to the Commissioners for approval. This recommendation will be submitted with December's monthly report.

BRIDGE REPLACEMENT/REPAIR PROGRAM –

Starke County is currently ranked 71th out of 92 Counties in percentage of bridges recommended for replacement. This includes both structurally deficient and functionally obsolete bridges. Seventeen of the Counties' Fifty-Eight bridges are either structurally deficient or functionally obsolete and are recommended for replacement. The county is ranked 86th out of 92 counties in % structurally deficient bridges. The chart below shows the number of bridges the County has replaced in the last ten years.

BRIDGE REPLACEMENTS	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
CONCRETE	4	0	1	0	0	0	0	0	0	4	1	4	4	4	5	5
ALUMINUM	0	0	5	0	2	0	0	0	0	0	0	0	0	0	0	0
TOTALS	4	0	6	0	2	0	0	0	0	4	1	4	4	4	5	5

As you can see, there was no bridge construction in the County from 2008 to 2011. In addition, most of the bridge construction during the last ten years was done on an emergency basis which is more expensive and often results in less than ideal results. The Highway Department has come up with a five year plan to replace all the deficient bridges in the County . We currently have the funding to replace four bridges next year. The Superintendent will be sending out an RFP for the design of these bridges. The County has also sent out an RFP for the next round of bridge inspections and Bridge 154 (100E over Robbins Ditch, .4 miles north of CR400N, which is to be funded by 80% federal funds.

Bridge 43 construction update: Please see the attached Pay Application # 2 as provided by JCI Bridge Group for the Bridge 43 Replacement Project. The attached pay application combined with previous pay application # 1 represents 83.4% of the awarded base bid amount of \$177,367.06. After the work completed up to the end of October, including the pouring of the bridge and approach pavement concrete, completion of placement of riprap, etc., the remaining work to be done to complete the project basically includes concrete surface sealing, asphalt pavement, guardrail, seeding, and surveying the benchmark elevation. The project is on course to finish under budget and ahead of schedule.

2017 AND 2018 INDOT CALL FOR PROJECTS INDOT has recently sent out a Call for 2017 project funding. The deadline to submit an application is 12/13/2013. The Superintendent is working with County officials to create the list of projects we will submit. The 2018 Call for Projects will be sent out in the Spring. The Superintendent will recommended that two bridges over the Yellow River be submitted for these calls.