

Starke County Highway Department

Monthly Report

March 2016

WINTER OPERATIONS

It looks like, based on the long range forecast, winter is near its end. Overall, it has been a mild winter. As a result we have used much less salt, sand, diesel fuel, fewer plow blades, and other winter items this year. The overall savings will be compiled by our department this month and reported next month. We used the minimum required amount of our salt bid estimate (950 tons, 80% of the bid amount of 1250 tons). Today we submitted our bid to the state for next year. We will once again bid 1250 tons of untreated salt. We are also adding 100 tons of treated salt, which we will use on main routes and areas that tend to be more icy than others.

DIESEL FUEL BID SAVINGS

We have recently refined our diesel fuel bidding process. We have spoken to most of the suppliers to get their input on the process. As a result we are using stricter fuel specifications. This has allowed more suppliers to be competitive and it has resulted in better fuel for our trucks which translates to better MPG. Cheaper and better fuel in the tanks has save tens of thousands of dollars this winter. We will have a more precise amount when we compile all the winter costs later this month

FROST LAW

The frost law signs were put up on February 1st. As of today we have received 27 permit requests. This has enabled us to monitor the routes being used and in some cases allowed us to redirect heavy truck traffic. We are still seeking ways to improve this ordinance. We have asked local farmers and business for their input. The biggest question is enforcement of non-compliant heavy haulers.

SPRING/SUMMER OPERATIONS PREPARATION

- 1) Culvert replacements
- 2) Brush Cutting
- 3) Potholes and other frost repairs
- 4) Sand and Gravel stockpiling
- 5) Oil bids for asphalt
- 6) Road Assessments and repair selection
- 7) Mowing Crew (Double Mowing)
- 8) Bridge maintenance crew
- 9) Bridge replacement plan update

SAFETY AND TRAINING

Relevant safety training for the spring

- 1) Meth awareness
- 2) LTAP Road Builder class #10 Drainage/Road School
- 3) Chain Saw and Brush equipment inspection
- 4) Work One Apprentice Program/ SCILL Center Internship Program
- 5) Storm water Drainage Conference with Surveyor

FACILITY UPDATE

- 1) Bids for a fire prevention system
- 2) Updated alarm system with ADT for no additional cost

FUNDING

HB1001 update

Bridge Number	Location	Year Built	Years of Service Life	Sufficiency rating	Original construction estimate	Original Engineering cost estimate	ORIGINAL TOTAL REPLACEMENT ESTIMATE	Updated construction estimate	Actual construction cost	Actual Engineering Costs	Total Replacement Cost	Status	Completion Year
51	CR1200E over Robb's Ditch, .01 miles S of CR255	1968	44	28.9	\$357,000	\$71,109	\$428,400	\$347,000	\$224,328		\$428,400	Completed by Infrate Construction	2012
156	Range Road over Robb's Ditch, .1 miles N of CR400E	1990	82	19.98	\$451,000	\$90,200	\$541,200	\$1,309,000					2012
9	CR200E over Jimmie Ditch, .47 miles W of CR255	1958	52	38.63	\$484,000	\$96,800	\$580,800	\$823,000.00*					2012
62	CR200E over South Ditch, 0.04 miles W of Range Road	1955	47	24.14	\$574,000	\$114,800	\$688,800	\$929,500.00*					2012
43	CR100E over Robb's Ditch, .01 miles S of CR400E	1968	52	14	\$350,000	\$110,000	\$660,000	\$234,000	\$177,033	\$68,140	\$245,173	Completed by Infrate Group	2013
86	CR200E over Range Road, .2 miles W of CR100W	1920	84	15.16	\$278,000	\$75,600	\$453,600	\$801,000	\$208,258	\$35,709	\$323,307	Completed by Infrate Construction	2014
31	CR100E over Range Road, .1 miles W of CR255	1990	84	15.16	\$360,000	\$72,000	\$432,000	\$330,000	\$229,332	\$35,000	\$314,341	Completed by Infrate Construction	2014
79	CR400E over South Ditch, .2 miles W of Range Road	1972	43	29.9	\$338,000	\$67,100	\$403,200	\$350,000	\$317,315	\$35,005	\$352,524	Completed by Infrate Construction	2015
76	CR100E over South Ditch, .1 miles S of CR255	1965	50	15.9	\$457,000	\$71,400	\$528,400	\$420,000	\$336,105	\$35,009	\$431,114	Completed by Infrate Construction	2015
71	CR100E over South Ditch, .3 miles S of CR255	1968	47	47.4	\$300,000	\$72,000	\$432,000	\$333,000	\$331,175	\$30,904	\$350,079	Completed by Infrate Group	2015
1	CR700E over Robb's Ditch, .3m W of CR500E	1975	41	37.5	\$650,000	\$130,000	\$780,000	\$347,000	\$343,554.81*	\$30,904		Bid awarded to Northern Indiana Construction for \$343,554.81. Construction to begin 3/1, end date 5/77	2016
96	CR900E over Ryan Ditch, .5m W of USA21	1930	86	22.8	\$330,000	\$66,000	\$396,000	\$330,000		\$1,600*		Hydraulic Report and Structure size/type recommendation being completed	2016
78	CR250W over Bogus Run, .5 miles S of Toro Road	1960	56	38.7	\$357,000	\$71,400	\$428,400	\$330,000		\$25,000*		Being Designed by JPR	2016
50	CR1150E over Osborn Ditch, 1m S of SR10	1970	47	24.3	\$357,000	\$71,400	\$428,400	\$330,000				Design RFP sent out	2017
46	CR900E over Osborn Ditch, .9m S of SR10	1970	47	39.6	\$358,000	\$71,600	\$429,600	\$330,000		\$24,000*		Design RFP sent out	2017
47	CR625S over Osborn Ditch, .06M W of CR875E	1970	47*	41.6	\$357,000	\$71,400	\$428,400	\$330,000					2017
154	CR100E over Robb's Ditch, .4m N of CR400N	1950	68*	36.3	\$460,000	\$92,000	\$552,000	\$370,000					2018
7	CR1200E over the Yellow River, .5M N of CR250S	1977	41*	50	\$785,000	\$157,000	\$942,000	\$835,000				INDOT AWARDED	2018
36	CR25N over Eagle Creek, .1 miles W of 600E	1960	58	44.3	\$674,000	\$134,800	\$808,800	\$616,830					2018
13	CR600E over Robb's Ditch, .01 miles S of 800N	1952	66	51.6	\$820,000			\$750,446					2018
140	CR200E over Robb's Ditch, .1 miles S of 500N	1965	54	66.9	\$400,000	\$80,000		\$370,000					2019
27	CR700E over the Yellow River, .1 M N of SR8	1980	40	64.2	\$1,180,000			\$1,079,911				INDOT AWARDED	2020