

Starke County Highway Department Monthly Report – October 3, 2016

CURRENT BRIDGE REPLACEMENT PROJECTS

County Bridge #78 (250W, .5 miles S of Toto Rd.) Construction was scheduled to begin today but will begin next week due to contractor delays.

County Bridge #96 (900S, .5 miles w of US421) This bridge was replaced with three CMP pipes last month.



County Bridge #50 (CR1150E, .9 miles SR10.) This bridge was awarded to Norther Indiana Construction last month. The selected bid was \$270,531.00. This was almost \$46,000 less than the engineer's estimate.

County Bridge #46 (CR900E, .8 miles SR10) The design for this bridge is almost complete. It will be advertised for a November 7th, 2016 bid opening. The bid will be for the replacement of both bridge 46 and 47. They will be closed simultaneously to allow the contractor to minimize mobilization costs. We believe this will result in significant savings for the County. Construction is slated to begin on April 1, 2017

County Bridge #47 (CR625S, just west of 875E) The design for this bridge is almost complete. It will be advertised for a November 7th, 2016 bid opening. The bid will be for the replacement of both bridge 46 and 47. They will be closed simultaneously to allow the contractor to minimize mobilization costs. We believe this will result in significant savings for the County. Construction is slated to begin on April 1, 2017

County Bridge #7 (1200E, 1.1 miles S of SR8) Today Starke County was awarded \$1,080,000.00 in matching funds for this bridge replacement in 2019. It represents an 80% match for the entire cost of the project. The County pays a 20% match. The Community Crossings match is 50/50 which means that the County gets a much better bang for its buck with this project. We still plan on using Community Crossings matching funds for our two bridges (46 and 47) which will be awarded in November and constructed next year and matching those funds with funds from our recent LOIT distribution. What this means that instead of using all the LOIT funds to match Community Crossings funds as many cities and towns did we decided to concentrate on the project that awarded much more in relation to what the County has to provide. That does not mean we will completely neglect the use of CC matching funds. We will match at least \$250,000, possibly up to \$500,000. Only about half of that will be from the LOIT distribution. The rest will come from money that is currently budgeted for bridges. No new taxes or additional funding appropriations will be needed. It will all be matched from existing funding. This means that we were able to use the remaining \$250,000.00 on road improvements. To summarize, instead of receiving \$500,000 in matching funds at a 50(state)/50(county) rate, Starke County will be receiving at least \$1,330,000.00 in matching funds with a rate of 65(state)/35(county) AND have \$250,000 extra LOIT funds that we were able to put directly into road improvements. Most local agencies had to choose between either ten to 20 miles of road improvements or one, maybe two bridge improvements. We will be able to replace five bridges (one a larger Yellow River bridge) and complete fifteen miles of road improvements

Bridge Number	Location	Sufficiency rating	Updated construction estimate	Actual construction cost	Actual Engineering Costs	Total Replacement Cost	Status	Completion year
51	CR850E over Osborn Ditch, .00.01 South of CR700S	28.9	\$450,000	\$475,046	\$135,546	\$610,592	Completed by LaPorte Construction	2012
156	Range Road over Robbins Ditch, .1 miles N of CR400N	19.98	\$600,000	\$652,977	\$225,437	\$878,414	Complete by JCI Bridge Group	2012
9	CR500E over Jain Ditch, at the Intersection of CR700N	38.63	\$823,000	\$675,438	\$197,659	\$873,097	Completed by LaPorte Construction	2012
62	CR500S over Smith Ditch, 0.04 miles W of Range Road	24.14	\$400,000	\$449,650	\$107,459	\$557,109	Complete by JCI Bridge Group	2012
43	CR100E over Robbins Ditch, .1m N of CR800N	14	\$234,000	\$177,033	\$68,140	\$245,173	Complete by JCI Bridge Group	2013
86	CR900S over Bogus Run, .2 m W of CR100W	15.6	\$331,000	\$288,298	\$35,009	\$323,307	Completed by LaPorte Construction	2014
31	CR800E over Eagle Creek, .2m N of CR505	15.6	\$330,000	\$279,332	\$35,009	\$314,341	Completed by LaPorte Construction	2014
79	CR450S over Smith Ditch, .2 m W of Range Road	29.9	\$350,000	\$317,515	\$35,009	\$352,524	Completed by LaPorte Construction	2015
70	CR50E over Smith Ditch, .1m S of 500S	15.9	\$420,000	\$396,105	\$35,009	\$431,114	Completed by LaPorte Construction	2015
71	CR100E over Smith Ditch, .5 m S of CR500S	47.4	\$333,000	\$319,175	\$30,904	\$350,079	Completed by JCI Bridge Group	2015
1	CR700N over Robbins Ditch, .3m W of CR500E	37.5	\$347,000	\$311,457	\$30,904	\$342,361	Completed by Northern Indiana Construction	2016
96	CR900S over Ryan Ditch, .5m W of US421	22.8	\$285,000	\$53,350	\$1,600	\$54,950	Completed by NIC	2016
78	CR250W over Bogus Run, .5 miles S of Toto Road	38.7	\$317,260*	\$282,864	\$25,000	\$307,864	Construction begins October 3 2016. Estimated completion date November 21, 2016	2016
50	CR1150E over Osborn Ditch, 1m S of SR10	24.3	\$316,981	\$270,531	\$28,000	\$298,531	Awarded to NIC Construction, Construction to begin in November	2016
46	CR900E over Osborn Ditch, .9m S of SR10	39.6	*****		\$24,000		November 2016 bid opening, construction to begin April 1st, 2017	2016/2017
47	CR625S over Osborn Ditch, .06M W of CR875E	41.6	*****		\$30,000		November 2016 bid opening, construction to begin April 1st, 2017	2016/2017
154	CR100E over Robbins Ditch, 4m N of CR400N	36.3						2017
58	CR800S over Bogus Run, 0.02 miles E of CR200W	35.9						2017
36	CR25N over Eagle Creek, .1 miles W of 600E	44.3						2017
13	CR600E over Robbins Ditch,	51.6						2018

	.01 miles S of 800N						
137	CR300E, .1 miles S of CR50N	51.7				REHAB, widening with deck rehab	2018
140	CR200E over Robbins Ditch, .1 miles S of 500N	66.9					2019
7	CR1200E over the Yellow River, .5M N of CR250S	50				INDOT awarded Starke County a grant of \$1,080,000.00 for the replacement of this bridge	2019
59	CR700S, .2 miles E of CR200W	62.9					2022

CURRENT ROAD IMPROVEMENTS

As of last week, we have completed all three planned rounds of paving and chip sealing this year. We were also able to add miles of improvements during those rounds thanks to the extra LOIT funds. We still have one tanker of chip seal oil left that we plan on using during the next few weeks if the weather holds. If so, we will have completed of fifty miles of improvements while at the same time replacing four deficient bridges this year. We will also be make three tankers worth of asphalt patch for our use during the winter. Below is a picture of the road improvement completed on 600E between SR10 and 800S south of Bass Lake where we chip sealed over a road we wedged last year. This technique worked well and saved money for the County. Other examples are 500S between US35 and 100E and 800S between 300E and 450E.



IMPROVEMENT	ROAD	FROM	TO	MILES
ASPHALT WEDGING	600N	150E	300E	0.2
ASPHALT WEDGING	800N	US35	500E	0.1
ASPHALT WEDGING	500N	US35	300E	0.1
ASPHALT WEDGING	INTERSECTION	OLDUS30	300E	0.1
ASPHALT WEDGING	INTERSECTION	500E	700N	0.05
ASPHALT WEDGING	50N	1025E	1200E	0.2
ASPHALT WEDGING	900S	1175E	1200E	0.05
ASPHALT WEDGING	100W	500S	450S	0.4
ASPHALT WEDGING	800S	500W	600W	.6
ASPHALT WEDGING	900S	500W	600W	0.55
ASPHALT WEDGING	400S	RANGE ROAD	100W	0.2
ASPHALT WEDGING	100W	200S	250S	0.2
ASPHALT WEDGING	100W	150S	200S	0.2
ASPHALT WEDGING	RANGE ROAD	50S	SR8	0.1
ASPHALT WEDGING	900s	700E	US421	0.1
ASPHALT WEDGING	200S	RANGE RD	200E	0.5
ASPHALT WEDGING	100W	400S	250S	0.4
ASPHALT WEDGING	DIVISION RD.	1050E	1200E	0.7
ASPHALT WEDGING	26 CULVERT REPLACEMENTS			0.7
CHIP SEAL	600N	SR23	1100E	1
CHIP SEAL	775N	700E	825E	1.25
CHIP SEAL	525E	800N	900N	1
CHIP SEAL	600N	500E	STARKE ST.	1

CHIP SEAL	50N	US35	END OF PAVEMENT	0.5
CHIP SEAL	500E	200S	RR TRACKS NORTH OF SR8	1.25
CHIP SEAL	300E	100S	200S	1
CHIP SEAL	RANGE ROAD	200S	250S	0.5
CHIP SEAL	500S	150E	US35	2.5
CHIP SEAL	500S	US35	550E	1.5
CHIP SEAL	600E	SR10	800S	2.25
CHIP SEAL	800S	300E	450E	1.5
CHIP SEAL	100W	700S	800S	1
CHIP SEAL	700S	100W	250W	1.5
CHIP SEAL	200W	700S	800S	1
CHIP SEAL	CAMPBELL ST.	500W	NJ HIGH SCHOOL	0.25
CHIP SEAL	600W	700S	800S	1
CHIP SEAL	800W	700S	800S	1
CHIP SEAL	550S	1100W	1200W	1
CHIP SEAL	900W	TOTO RD.	400S	1
CHIP SEAL	PACIFIC AVE.	PORTLAND ST.	CAVANAUGH DITCH	0.5
CHIP SEAL	S. ROOSEVELT RD.	KNOX CITY LIMITS (SOUTHERN)	CANNON DITCH	0.25
DOUBLE CHIP SEAL	300E	800N	900N	1
DOUBLE CHIP SEAL	800N	300E	US35	1
DOUBLE CHIP SEAL	TOTO RD.	900W	850W	0.5
PAVING (HOT MIX)	700N	.2 MILES WEST OF 500E	.3 MILES WEST OF 500E	0.1
PAVING(COLD MIX)	500N	100E	200E	1
PAVING(COLD MIX)	480N	.25 MILES EAST OF 200E	300E	0.75
PAVING(COLD MIX)	150E	500N	.5 MILES N OF 500N	0.5
PAVING(COLD MIX)	1200E	150N	300N	1.5
PAVING(COLD MIX)	150N	1100E	1200E	1
PAVING(COLD MIX)	200E	TOTO RD.	350S	0.5
PAVING(COLD MIX)	350S	150E	200E	0.5
PAVING(COLD MIX)	450S	RANGE ROAD	100E	1
PAVING(COLD MIX)	100W	TOTO RD.	250S	0.5
PAVING(COLD MIX)	200S	RANGE ROAD	TOP OF HILL, .4 MILES WEST OF RANGE ROAD	0.4
PAVING(COLD MIX)	800S	US35	450E	0.5
PAVING(COLD MIX)	Tippecanoe Dr.	Kramer Lane	Kanney Ave.	0.55
PAVING(COLD MIX)	Forest	1100E	Elm	0.2
PAVING(COLD MIX)	Elm Ave.	Circle Ave.	Forest Ave.	0.1
PAVING(COLD MIX)	Dogwood Ave.	Circle Ave.	Forest Ave.	0.1
PAVING(COLD MIX)	Chesnut Ave.	Circle Ave.	Forest Ave.	0.1
PAVING(COLD MIX)	Beech Ave.	Circle Ave.	Forest Ave.	0.1
PAVING(COLD MIX)	Ash Ave.	Circle Ave.	Forest Ave.	0.1
PAVING(COLD MIX)	Scanlon Drive	Tippecanoe	Dead End	0.13
PAVING(COLD MIX)	Hiawatha Pl.	Kanney Ave.	Dead End	0.12
PAVING(COLD MIX)	Seminole Pl.	Kanney Ave.	Dead End	0.12
PAVING(COLD MIX)	Apache Ave.	Kanney Ave.	Dead End	0.12
PAVING(COLD MIX)	Blackhawk Ave.	Kanney Ave.	Dead End	0.12
PAVING(COLD MIX)	Oak Ave.	Kanney Ave.	Dead End	0.18
PAVING(COLD MIX)	North St.	Kanney Ave.	Dead End	0.13
PAVING(COLD MIX)	High St.	Kanney Ave.	Dead End	0.13
PAVING(COLD MIX)	Eureka Dr.	Kanney Ave.	Dead End	0.13
PAVING(COLD MIX)	Kramer Lane	Tippecanoe Dr.	Dead End	0.1
PAVING(COLD MIX)	Dakota St.	Tippecanoe	Tippecanoe	0.15
PAVING(COLD MIX)	Cline Ave.	Tippecanoe Dr.	Dead End	0.05
PAVING(COLD MIX)	700S	775W	800W	0.25

TRAINING

- 1) County Employee handbook review
- 2) LTAP Road Scholar classes in November and December
- 3) Certified Construction inspection classes

WINTER PREPARATIONS

SALT BID Last year we paid \$65.92 for untreated salt, this year we will be paying \$56.16 per ton. We have committed to 1250 tons of salt for the winter. We will also be experimenting with a small amount (100 tons at \$72.84 a ton) of treated salt. Untreated salt works to about 15degrees F. Treated salt can work to about -5 degrees F. When the temperature drops below 10 degrees this winter we will start using treated salt to see if it is something we may want to use in the future.

Treated Salt

INDOT District	Salt Vendor	Delivery Method	Price Per Ton
Crawfordsville - 10	Cargill	Delivered	79.37
		Pick Up	77.00
Fort Wayne - 20	Cargill	Delivered	78.54
		Pick Up	76.00
Greenfield - 30	Cargill	Delivered	78.65
		Pick Up	76.00
LaPorte - 40	Cargill	Delivered	72.84
		Pick Up	70.00
Seymour - 50	Cargill	Delivered	79.53
		Pick Up	77.00
Vincennes - 60	Cargill	Delivered	81.84
		Pick Up	79.00

Untreated Salt

INDOT District	Salt Vendor	Delivery Method	Price Per Ton
Crawfordsville - 10	Detroit Salt	Delivered	68.71
		Pick Up	68.00
Fort Wayne - 20	Detroit Salt	Delivered	57.49
		Pick Up	68.00
Greenfield - 30	Detroit Salt	Delivered	64.66
		Pick Up	68.00
LaPorte - 40	Morton Salt	Delivered	56.18
		Pick Up	55.00
Seymour - 50	Cargill	Delivered	69.53
		Pick Up	67.00
Vincennes - 60	Compass Minerals	Delivered	71.50
		Pick Up	71.00



INDIANA DEPARTMENT OF TRANSPORTATION

Northwest District
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FAX: (219) 325-7434

Michael R. Pence, Governor
Brandye Hendrickson,
Commissioner

10/03/2016

Stärke County
3835 East 250 North
Knox, IN 46534

RE: Bridge #7 Replacement

Dear Mr. Ritzler,

Congratulations! Your community has been awarded \$1,080,000.00 in Federal Highway Administration (FHWA) construction funds for the Bridge#7 project. INDOT will be awarding funding for the other phases of your project at a later date. With these funds, you join Governor Mike Pence and the Indiana Department of Transportation (INDOT) as we build and improve Indiana's infrastructure. Please understand that award amounts (not Grants) are contingent upon funding availability through Congressional Appropriations.

The FHWA funds, which are administered by INDOT, may be used for funding up to 80% of any phase of your project. This reimbursement funding cannot exceed 80% of the total project cost. You will be required to submit paid bills before reimbursement. In addition, you will be required to submit 20% of total construction costs before the Notice to Proceed for construction will be issued. If your project is being funded with Safety Funds, they will be reimbursed at a different rate than the normal 80/20%. Please be aware that INDOT no longer allows development credits for any project. The awarded amount is the Approved Project Allocation for the project so please keep your project's original scope within its budget.

You will be assigned an INDOT LPA Project Manager who will be required to maintain a schedule to demonstrate your willingness to complete your project in a timely manner or the funding for your project may be withdrawn. The steps to start your project are as follows:

1. Designation Number (1600940) has been assigned by the district to your project.
2. You need to contact your District Program Director to schedule an Early Coordination Meeting within 30 days of receipt of this letter. {Marcia Blansett} is your contact and can be reached at 219/325-7564.
3. You are required to send quarterly reports to the district reporting progress on the development of your project.

Please note that work done, in any phase, without prior FHWA approval is not eligible for reimbursement. The process for obtaining this approval will be discussed at the early coordination meeting. Furthermore, any increase in project cost above the apportionment amount must be paid for locally.

Sincerely,

Rick Powers, District Deputy Commissioner
LaPorte District