

**Starke County Highway Department
Monthly Report – March 5th, 2018**

Flood Recovery

The first stage our Department’s flood management effort is winding down and the second more costly and time-consuming stage is beginning.

When the flooding began our efforts were focused on damage prevention (sandbags), safety precautions (bridge closures), and road closures. We closed two bridges for precautionary reasons, the Yellow River bridges on CR300E and CR700N. Both have since been inspected by a bridge inspection engineer and are now open. At one point sixty-five miles of Starke County roadways were closed to traffic due to flooding. That number is now down to twenty-six.

We are now in the process of assessing the roadway damage and beginning repairs. We will not fully know the extent of the damage until the remaining twenty-six miles are cleared of water. We are expecting the worst damage to be in these areas. We have already completed major road repairs on Range Road south of US8. We have also replaced two large culverts that collapsed during the flooding (750S, just east of 975E & 700S between 200W and 250W). We believe we will be repairing flood related damage throughout March.

We will be conducting a new round of PASER assessments later this month. We will probably be significantly changing our summer road improvement list due to the storm damage. We also believe it may have possibly accelerated the deterioration of some of our bridges. Below are the current flood recovery expenditures for our Department, based on the FEMA reimbursement formula. As we stated earlier we believe the most costly part of the road/bridge/culvert recovery lies ahead.

DATE	LABOR	MATERIAL	VEHICLE USE	
2/20/2018	\$4,815.80	\$0.00	\$9,132.00	
2/21/2018	\$4,841.85	\$537.60	\$14,968.00	
2/22/2018	\$5,974.81	\$4,502.80	\$16,450.00	
2/23/2018	\$5,693.16	\$6,150.00	\$13,678.00	
2/24/2018	\$2,515.39	\$4,250.35	\$3,245.50	
2/25/2018	\$1,997.82	\$108.00	\$1,328.00	
2/26/2018	\$4,104.73	\$4,333.75	\$12,650.50	
2/27/2018	\$4,030.80	\$15,427.93	\$12,600.50	
2/28/2018	\$4,030.80	\$5,778.75	\$12,875.60	
3/1/2018	\$4,370.46	\$1,597.50	\$13,850.00	
3/2/2018	\$4,382.70	\$13,321.17	\$13,210.00	
3/3/2018	\$1,066.07	\$250.35	\$2,025.50	
3/4/2018	\$298.63	\$0.00	\$320.00	
TOTAL	\$48,123.02	\$41,089.18	\$126,333.60	ESTIMATE TOTAL THROUGH 2/28/2018 \$215,545.80



Our March and April work plans have also been altered by the flooding. Barring more snowfall, we will be doing extensive patching, major pavement repairs, culvert replacements, and roadway assessments. Our planned brush cutting, asphalt making, and material hauling may be put on hold.

CLOSED ROADS

Range Rd. between 250 N. & 600 N.
Robbins Rd. between 600 E. & 700 E.
550 S. between 850 E. & 900 E.
800N between 300E & US35
600 N. between 300 E. & Range Rd.
100 W. between 200 N. & SR 8
300 N. between 125 W. & La Porte County
Line
100 W. between 50 S. & SR 8
300 E. between 700 N. & 900 N.
700 N. between 150 E. & US35
50 E. between 700 N. & La Porte County
Line
50 N. between SR 35 & 300 E.
Toto Road between 450 W. & 650W
500S between 1100W and 1200W
250N between Range road and 50W
125W between 300N and 250N
300E between US30 and 700N
200E North of SR8
400W, north of Toto Road
300W between 150S and 250S
100E between 400N and 500N
200N between Range Road and 100W
Toto Road between 850W & 900W
HIGH WATER
Toto Rd. between 200 E. & 350 E.

REOPENED ROADS

100 E. between 250 N. & SR 8
450 E. between US 35 & 800 S.
700 S. between 975 E. & 1100 E.
600 N. between 800 E. & 900 E.
900 E. between 400 N. & 500 N.
500 S. between 150 E. & 300 E.
1000 E. between SR 10 & 625 S.
700 N. from US 35 to 500 E.
800 N. between 550 E. & 600 E.
1200 E. between 50 N. & 150 N.
Toto Rd. between 350W & 450W
25 N. between US 35 & 600 E.
500 E. between 25 N. & Knox City Limits
100N between US35 & 500E
50 S. between 700 E. & 800 E.
700E between 25N & 50S
800E between 50S & SR8
850 E. between SR 10 & 550 S.
700E Between SR8 and 150S
850 W. between SR 10 & 500 S
Yellowstone Trail between US 35 & 500 E
700S between 250W & 300W
150S between 1000E & 1025E
Old US 30 between US 35 & 300 E
500E between 25N and 100N
800 E. between 850 S. & 750 S.
700E between SR8 and 50S
300 E. between SR 8 & Division rd.
750S between 975E & 1000E
800 W. between 400 S. & Toto Rd
750W between Toto Road & 400S
50W between 250N & 300N
Range Rd. between 50 S. & SR 8
900 E. between SR 10 & 625 S.
1100 E. between 650 N. & 700 N.
650W between 400S & LaPorte County
Line
Toto Road between 725W & 850W
1200 E. between 550 N. & 600 N.

Preview of 5 year progress and future plans

Bridges

YEAR	Report Entity	# OF BRIDGES	AVERAGE SUFFICIENCY RATING	State Average Sufficiency Rating	Starke County Rank	# OF DEFICIENT BRIDGES (<50 SUFFICIENCY RATING)	% Deficient Bridges (<50 Sufficiency rating)	State Average % deficient bridges (<50 Sufficiency rating)	# OF POSTED BRIDGES	# OF CLOSED BRIDGES	NOT SAFE FOR SCHOOL BUSES
1998	Purdue University	63	60.81	75.50	83 of 92	23	36.50%	19.30%			
2001	Purdue/LTAP	63	57.30	77.10	90 of 92	26	41.27%	15.80%			
2012	Purdue LTAP	59	64.90	78.01	88 of 92	23	39.66%	14.39%	20	4	10
2015	USI Consultants	58	74.03			11	18.97%		12	0	3
2015	Purdue LTAP	58	74.03	81.28	77 of 92	11	18.97%	13.39%			
2016	USI Consultants	57	77.32			7	12.28%		8	0	1
2018 (CURRENT)	USI Consultants	57	81.95	81.28	48 of 92	4	7.02%	13.39%	5	0	0
2018 (END OF YEAR)	USI Consultants	57	86.34	81.28	18 of 92	0	0.00%	13.39%	1	0	0
2019	United Consultants										

Culverts

Roads

Signage/Road Safety

Equipment

Facilities

Personnel