

# Starke County Highway Department July 2020 Monthly Report

## BUDGET 2020 AND 2021

As anticipated, we have seen a reduction of gas tax revenue the last two months due to the effects of the corona virus shutdowns. (See first chart) The good news is that traffic volumes are currently back up to about 96% of normal. We hope to see that reflected in our MVH and LRS revenue beginning in August or September. Overall, we expect to see anywhere between a 5% and 15% decrease in overall revenue for the year. At the mid point of the year we have spent about 41.7% of our overall budget.(see second chart). At this pace we will spend 83.4% of the budget, which will enable us to compensate for any additional revenue losses. Although most revenue loss from the gas tax should affect this year's budget, there is some indications that next year could be affected as well. For this reason we have decreased our 2021 budget by 5.83% , or \$221,602.93. (see last chart)

### MVH AND LRS REVENUES 2016 TO June 2020

#### MVH

	January	February	March	April	May	June	MID YEAR	July	August	September	October	November	December	TOTAL
2016	\$189,804.01	\$155,908.25	\$208,887.16	\$269,509.18	\$212,357.07	\$196,866.52		\$216,294.64	\$214,381.51	\$179,979.40	\$192,978.35	\$166,533.37	\$176,141.50	\$2,379,640.96
2017	\$186,619.71	\$155,419.73	\$205,632.60	\$247,652.69	\$218,892.36	\$181,077.42		\$221,226.40	\$88,487.57	\$248,605.16	\$313,652.08	\$269,487.46	\$283,301.47	\$2,620,054.65
2018	\$282,229.21	\$254,335.50	\$292,270.69	\$334,512.78	\$343,398.99	\$271,237.08		\$312,144.20	\$133,764.07	\$256,744.00	\$262,896.81	\$249,026.65	\$254,825.62	\$3,247,385.60
2019	\$250,376.19	\$243,946.60	\$266,788.10	\$281,404.62	\$274,696.64	\$254,543.52	\$1,571,755.67	\$250,029.06	\$126,899.22	\$266,886.64	\$264,696.16	\$264,222.96	\$254,539.02	\$4,570,784.40
2020	\$249,651.64	\$239,958.92	\$286,264.16	\$286,327.42	\$235,189.35	\$189,096.24	\$1,486,487.73							
							-5.43%							

  

	January	February	March	April	May	June		July	August	September	October	November	December	TOTAL
2016	\$20,205.77	\$20,758.95	\$22,415.90	\$25,058.46	\$21,512.86	\$22,700.99		\$22,792.71	\$5,957.28	\$20,123.60	\$22,014.05	\$21,513.06	\$21,848.99	\$246,902.62
2017	\$20,686.23	\$20,325.92	\$21,818.72	\$21,914.16	\$22,549.56	\$21,731.84		\$23,920.08	\$8,825.77	\$33,226.31	\$41,151.35	\$37,966.98	\$40,237.75	\$314,354.67
2018	\$35,894.64	\$37,104.54	\$35,836.55	\$35,130.69	\$40,201.14	\$36,188.51		\$42,233.73	\$13,359.23	\$46,231.69	\$36,712.15	\$33,883.52	\$35,906.02	\$428,682.41
2019	\$36,852.68	\$35,609.11	\$36,010.37	\$34,782.10	\$37,083.77	\$37,369.52	\$217,707.55	\$38,436.22	\$16,778.22	\$41,216.43	\$41,378.64	\$38,826.68	\$40,473.24	\$652,524.53
2020	\$37,362.41	\$36,706.84	\$37,917.40	\$35,442.43	\$34,181.35	\$27,881.49	\$209,491.92							
							-3.80%							

### HIGHWAY EXPENDITURES 2020

FUND	Appropriated	Spent	Remaining	% OF BUDGET SPENT AT MID YEAR
MVH (MOTOR VEHICLE HIGHWAY)	\$3,117,940.00	\$1,194,515.00	\$1,923,425.00	38.31%
CUMULATIVE BRIDGE	\$285,465.00	\$108,465.00	\$177,000.00	37.90%
LRS (LOCAL ROAD AND STREET)	\$398,000.00	\$273,826.19	\$124,173.81	68.80%
<b>HIGHWAY BUDGET ALL FUNDS</b>	<b>\$3,801,405.00</b>	<b>\$1,576,806.19</b>	<b>\$2,224,598.81</b>	<b>41.47%</b>

FUND	2020	2021	AMOUNT OF BUDGET CUT	% OF BUDGET CUT
MVH Administration	\$187,598.00	\$182,304.65	\$5,293.35	2.82%
MVH Maintenance and Repair	\$1,647,130.00	\$1,599,731.33	\$47,398.67	2.88%
MVH General Undistributed	\$1,283,212.00	\$1,187,765.60	\$95,446.40	7.44%
<b>MVH TOTAL</b>	<b>\$3,117,940.00</b>	<b>\$2,969,801.58</b>	<b>\$148,138.42</b>	<b>4.75%</b>
<b>CUMULATIVE BRIDGE TOTAL</b>	<b>\$285,465.00</b>	<b>\$260,003.49</b>	<b>\$25,464.51</b>	<b>8.92%</b>
<b>LRS (LOCAL ROAD AND STREET) TOTAL</b>	<b>\$398,000.00</b>	<b>\$350,000.00</b>	<b>\$48,000.00</b>	<b>12.06%</b>
<b>HIGHWAY BUDGET ALL FUNDS</b>	<b>\$3,801,405.00</b>	<b>\$3,579,805.07</b>	<b>\$221,602.93</b>	<b>5.83%</b>

## Roadways

Despite the reduction in revenue we have been able to maintain our productivity. We have completed 48.79 miles of various types of road improvements. We are currently making our first batch of cold mix asphalt, and will be paving with it in early August. We will be chip sealing later this month and crack sealing in September. We are currently on pace for about 85 miles of road improvements, if all goes well. This would allow us to come close to last year's total of 88.75.

BRIDGE WORK	ROAD WORK	OTHER ACTIVITIES
#7 REPLACEMENT IN DESIGN-RFP	CCMG-19-1 HOT MIX 503 B/T 25CE + SR39 MAY-JUNE (4.5)	CROSSWALK INSTALLATION BOA SHORES JUNE 2020
#137 REPLACEMENT SUBMIT RFP APRIL	CCMG-20-1 HOT MIX RANGE RD B/T SR10 + TOTORD. JULY/AUGUST (3M)	TRAINING CONFERENCES LTAD SAFETY AUDITS
BRIDGE CLEANING + BUSH CUTTING (57)	CR 950 N B/T RANGE RD + US35 CCMG 20-2 HOT MIX JULY/AUGUST (5M)	STARKE COUNTY MUN STANDARDS IN OCT PRE-QUAL
CULVERT INSPECTIONS (BOB)	CRACK SEAL SEPT (15M)	FACILITY UPGRADES
CULVERT CLEANING	Gravel/Reshape 22.4 Grindings/Reshape 14.8 Man 1 June 37.2	ROAD CREW WEED EATING
IROQUOIS/SR23 DRAINAGE	CIPR PAVING AUGUST (20M)	DUST CONTROL AS NEEDED
CULVERT REPLACEMENTS APRIL - OCT (7) (8)	CHIP SEAL (40M) JULY/AUGUST	MAKE SUMMER PATCH
700E CULVERT REPLACEMENT B/T 600N + 700N	Graden 1100E FROM 150N TO 300N	HAUL MATERIAL AS NEEDED
PASER RATINGS SPRING - COMPLETE 3/13/20 FALL - OCTOBER		GRANT APPLICATIONS
		TRASH + ROADKILL
		TRUCK INSPECTIONS
		TRAFFIC INVESTIGATION
		EQUIPMENT ACQUISITION

2020 Road Improvement List				
Improvement	Road	From	To	Completed Miles
Grade/Reshape	100E	250N	500N	2.5
Grade/Reshape	50S	300E	start of pavement	0.75
Grade/Reshape	1025 E	SR 8	150 S	0.49
Grade/Reshape	150 S	1100 E	1000 E	1
Grade/Reshape	1100 E	150 N	300 N	1.5
Grade/Reshape	150 E	500 S	400 S	1
Grade/Reshape	200 E	250 N	500 N	2.5
Grade/Reshape	300 W	Toto Rd	400 S	1
Grade/Reshape	400 W	400 S	350 S	0.5
Grade/Reshape	350 S	350 W	400 W	0.5
Grade/Reshape	375 S	400 W	450 W	0.5
Grade/Reshape	500 S	450 W	350 W	1
Grade/Reshape	150 S	300 W	Dead End	1
Grade/Reshape	200 N	Range Rd	100 W	1
Grade/Reshape	800 W	Toto Rd	400 S	1
Grade/Reshape	900 W	SR 10	400 S	2
Grade/Reshape	850 W	500 S	SR 10	1
Grade/Reshape	100 S	Range Rd	100 E	1
Grade/Reshape	100 E	100 S	150 S	0.5
Grade/Reshape	100 E	250 N	SR 8	1.5
<b>Total</b>				<b>22.24</b>
Reshape/Grindings	250 S	100 W	Dead End	0.25
Reshape/Grindings	750 E	400 N	Dead End	0.25
Reshape/Grindings	300 E	800 S	900 S	0.25
Reshape/Grindings	250 S	e/o 100 W		0.25
Reshape/Grindings	750 E	s/o 400 N		0.25
Reshape/Grindings	500 E	250 N	300 N	1
Reshape/Grindings	100 E	800 S	900 S	0.5
Reshape/Grindings	125 E	800 S	900 S	0.25
Reshape/Grindings	500 E	200 N	250 N	0.5
Reshape/Grindings	500 E	250 N	300 N	0.5
Reshape/Grindings	500 E	300 N	400 N	1
Reshape/Grindings	Daugherty St.	700 N	Watson St.	0.15
Reshape/Grindings	Evergreen St.	700 N	Watson St.	0.15
Reshape/Grindings	200 E	250 N	300 N	0.5
Reshape/Grindings	200 E	300 N	400 N	1
Reshape/Grindings	300 E	200 N	300 N	1
Reshape/Grindings	300 E	300 N	400 N	1
Reshape/Grindings	50 N	300 E	US 35	1
Reshape/Grindings	350 S	350 W	400 W	0.5
Reshape/Grindings	800 W	Toto Rd	400 S	1
Reshape/Grindings	425 S	100 E	150 E	0.5

Reshape/Grindings	300 W	Toto Rd	400 S	1
Reshape/Grindings	400 E	800 S	900 S	1
Reshape/Grindings	450 E	800 S	.6 NO 800 S	0.6
Reshape/Grindings	Pine Street	Shewski Road	Beach Street	0.125
Reshape/Grindings	Beach Street	SR 10	Hill Street	0.15
Reshape/Grindings	Hill Street	Shewski Road	Beach Street	0.125
<b>Total</b>				<b>14.8</b>
HMA	50 S	250E	SR 39	4.5
HMA	Range Rd	SR10	Toto Rd.	3
HMA	250N	Range Rd	US35	4.25
<b>Total</b>				<b>11.75</b>
<b>Total Miles Improved</b>				<b>48.79</b>

## **Bridges**

**Bridge 137 – CR 300 E over the Yellow River, just south of CR 50 N.** Estimated completion date, Fall of 2022.

**Bridge 7 – CR 1200 E over the Yellow River** – Estimated Completion Date, Fall of 2021.

**Bridge 59 – CR700S over Bogus Run** – Estimated Completion Date, Fall of 2022

## **Culverts**

We have replaced Our 2020 Culverts inspections have been completed. We are compiling a clean out and replacement list for the rest of the year. We have already completed 8 culvert replacements so far this year.

## **Roadway Safety (see chart)**

We have asked Purdue LTAP to investigate two intersections for us:

- 1) CR700E/200N – any improvement to decrease accidents
- 2) CR100E/500S – requested four way stop

Boa Shores Crosswalk has been completed

Roadway conversion Applications. We received two before the June 1<sup>st</sup> deadline. We will make out recommendations next month.

## **US30 Coalition (see bill)**

We have received a bill of \$6,000.00 for our dues to remain in the coalition



## Fuel Tanks (see fuel tests)



Earlier this year, a couple of our trucks were running poorly. At first, we thought we may have received a bad batch of fuel. We had the diesel tested three times, and each time it passed. After changing the fuel filters on the trucks, they began running better. As a precaution we recently had the fuel tanks cleaned (see above pic). The technicians told us that there were some bad seals in the tanks and hoses and air was allowed to get in and effect the fuel as it was being pumped into the tanks. This has been fixed and everything seems to be going well.



