

Starke County Highway Department Monthly Report – May 1st , 2017

Winter Operations

2016-7 WINTER PLOWING

SNOW EVENTS	SNOWFALL IN INCHES	PLOW HOURS	PLOW HOURS PER DRIVER	MILES CLEARED	MILES CLEARED PER HOUR PER DRIVER	SALT USED	SAND USED
25	26.32	3236	207.6	55724	17.22	1348	6234

2015-6 WINTER PLOWING

SNOW EVENTS	SNOWFALL IN INCHES	PLOW HOURS	PLOW HOURS PER DRIVER	MILES CLEARED	MILES CLEARED PER HOUR PER DRIVER	SALT USED	SAND USED
32	30.7	4078	276.3	71239	17.49	1648	7128

2014-5 WINTER PLOWING

SNOW EVENTS	SNOWFALL IN INCHES	PLOW HOURS	PLOW HOURS PER DRIVER	MILES CLEARED	MILES CLEARED PER HOUR PER DRIVER	SALT USED	SAND USED
37	52.88	5105.3	302.3	92,870	18.19	1830	7620

2013-14 WINTER PLOWING

SNOW EVENTS	SNOWFALL IN INCHES	PLOW HOURS	PLOW HOURS PER DRIVER	MILES CLEARED	MILES CLEARED PER HOUR PER DRIVER	SALT USED	SAND USED
67	91.95	8122.3	514.07	151,327	18.63	2004	10262

APWA Snow Conference

Themes

- 1) Public Works as First responders
- 2) How to get the boots on the ground to respond to training
- 3) Integration of Old School and New technology

Training Sessions

- 1) TIMS (Traffic Incident Management) training
- 2) Winter Operations Plan – GPS integration, Legal protection, Need for Commissioners Approval
- 3) How to Spec a salt storage building
- 4) How to Calibrate Ground Speed Controllers for salt spreading (Force5100, Monroe MC270, ACS Storm Guard)
- 5) "When it all goes Wrong" How to cope (intergovernmental cooperation, Plans B, C, and D)
- 6) Public Works as Emergency responder
- 7) Winter Solutions _ Crawfordsville Indiana case study (Scot Hesler)
- 8) How to take the second step in brine creation (More storage, additional sprayer truck, brine maker, gradual integration into main line plow trucks)
 - a) 450lbs. per lane mile, goal is 250 lbs. per lane mile, we use 63 lbs. per lane mile, brine uses 40lbs per lane mile
 - b) Reduce abrasive use (sand)
 - c) Brine helps combat frost and is more environmentally friendly

Take-aways from Snow Conference

- 1) Training and new ideas
- 2) Access to vendors (salt domes conveyors, gps, plow blades) and the latest technology
- 3) Networking with other Supervisors
 - a) St, John's, New Brunswick (freezing rain)
 - b) Whistler, British Columbia (Massive snowfalls)
 - c) Hanover Park, Illinois (Old combined with new ideas)
 - d) Cadillac, Michigan (Supervises similar size operations, same personnel concerns)
- 4) Next year's conference is in Indianapolis

BRIDGE

Current Bridge Projects

The replacement of Bridge 50 on 1150E, 1 mile south of SR10 is complete and open to traffic

The bridge repair on Range Road, just South of 500S is complete and the bridge is

Priority	Bridge Number	Location	Sufficiency Rating	Status	Completion year
1	50	CR1150E over Osborn Ditch, 1m S of SR10	24.6	Construction should be complete near May 1st	2017
2	46	CR900E over Osborn Ditch, .9m S of SR10	26.9	Construction began April 20th, 2017	2017
3	47	CR625S over Osborn Ditch, .06M W of CR875E	41.6	Construction to begin in May 22nd, 2017	2017
4	36	CR25N over Eagle Creek, .1 miles W of 600E	26.9	JPR is designing the bridge plans.	2018
5	58	CR800S over Bogus Run, 0.02 miles E of CR200W	35.9	JPR is designing the bridge plans.	2018
6	154	CR100E over Robbins Ditch, .4m N of CR400N	47.1	JPR is designing the bridge plans.	2018
7	7	CR1200E over the Yellow River, .5M N of CR250S	35.2	Degin Contract awarded to Jones, Petrie, and Rafinski. We are coordinating the creation of the contract with INDOT	2019
8	13	CR600E over Robbins Ditch, .01 miles S of 800N	61.6	Not deficient, but will most likely need to be replaced within the next ten years	2020
9	27	CR700E over the Yellow River, .1 miles north of SR8	70.9	We are looking to replace this wooden structure with a concrete bridge better suited for heavy trucks	2020/21
10	140	CR200E over Robbins Ditch, .1 miles S of 500N	66.1	Not deficient, but will most likely need to be replaced within the next ten years	2021
11	38	CR25N, .1 miles E of 800E	61	Not deficient, but will most likely need to be replaced within the next ten years	2022
12	59	CR700S, .2 miles E of CR200W	62.9	Aluminum Box Culvert. It is deteriorating early and we are keeping a close watch on it.	2055/2022
13	35	CR25N, .3 miles E of 500E	65.2	Aluminum Box Culvert. It is deteriorating early and we are keeping a close watch on it.	2055/2023
14	66	Range Road, just South of CR500S	77.6	Metal Bridge Deck. Repair contract. Clean bearing areas, wedge and level	2025
15	88	Old SR10, .3 miles E of US35	78.8	Aluminum Box Culvert. It is beginning to deteriorate and we are keeping a close watch on it.	2055/2030

CULVERTS AND DRAINAGE

PIPE REPLACEMENTS BY YEAR

2013	13
2014	19
2015	31
2016	37
2017	30

Training

April

First Aid/CPR, Use of defibrillators
Road Scholar # 7 - Temporary Traffic Control
ERC and Bridge ERC certification

(upcoming)

May 5th – Road Scholar #5 Roadway Safety
May 11th – Chainsaw and Bucket Truck Safety
June 1st – IACHES (Indiana Association of County Highway Engineers and Supervisors) conference in Indianapolis. It will include Road Scholar Course #
June 28th – PASER training

Mowing

All six of our mowing tractors and both of our brush choppers are active. We are well into our first pass of the County. Discuss reasons for mowing (Clear right of way and aesthetics)



FACILITIES

Roof Repairs and Resealing

Our office roof was replaced in April

The sealing should be completed in the next two months

FUNDING REPORT

HB 1002 has passed.

- 1) .10c per gallon hike in the gas tax
- 2) \$15 registration fee for all vehicles less than 26,000 lbs
- 3) 3 to 1 match for Counties under 50,000 population

We need to find a reliable source for the match. I will present four options to both the Council and Commissioners at the next meeting

HEAVY TRUCK ORDINANCE

Second reading tonight

We had a productive meeting of the Heavy Truck Ordinance working group on Thursday April 20th.

Notable changes include:

- 1) a general exemption for Registered Farm Vehicles
- 2) changes to applicability to vehicles servicing AFOs and CAFOs,
- 3) an increase of the threshold weight to 38,000 lbs
- 4) a few clean-up edits.