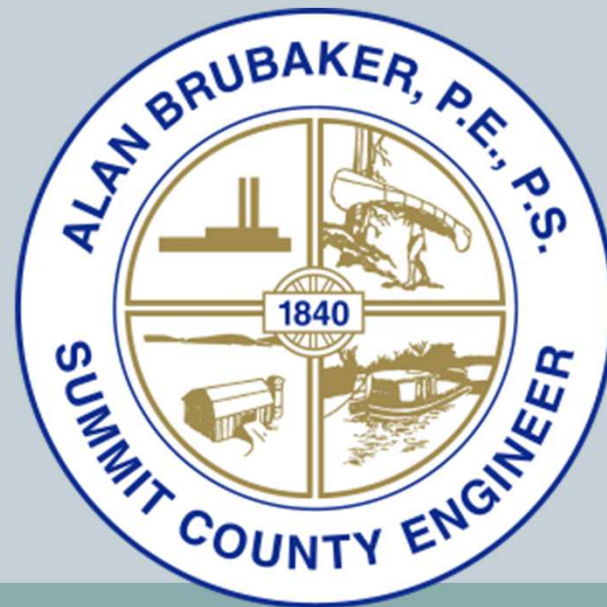


# Summit County Engineer Alan Brubaker, PE, PS.



TOWNSHIP ASSOCIATION OF SUMMIT COUNTY  
MAY 7, 2019





**Alan Brubaker, P.E., P.S.,  
Summit County Engineer**



**Our mission is to serve the Summit County Community by maintaining and improving our region's infrastructure, encouraging economic development, and ensuring a safe and efficient transportation system while protecting the environment.**

# Overview: Revenue and Expenditures



<b>Operating Expenditures</b>			
	2017	2018	Projected 2019
<b>Personnel</b>	\$7,945,067	\$7,998,077	\$ 8,157,900
<b>Operations</b>	\$2,430,229	\$2,801,455	\$ 2,994,200
<b>Debt Service</b>	\$325,667	\$317,098	\$ 312,000
<b>Total</b>	\$10,700,963	\$11,116,630	\$11,464,100

<b>Tax Revenue</b>			
	2017	2018	Projected 2019
<b>License Taxes</b>	\$12,884,600	\$13,475,699	\$ 14,916,245
<b>Gasoline Tax</b>	\$2,389,285	\$2,417,404	\$ 3,112,800
<b>Total</b>	\$15,273,885	\$15,893,103	\$18,029,045

# Regional Pavement Maintenance Program



- SCE is discussing making changes to the administration of the Regional Pavement Maintenance Program. The current plan is to offer two different deadlines for submitting authorizing legislation and road lists with the deadlines being strictly enforced to allow us to bid out the programs at the best time of year to get the lowest prices. Our pavement maintenance programs include hot mix resurfacing, motor paving, chip and seal, asphalt rejuvenation, crack sealing, pavement marking, culvert replacements, concrete road and sidewalk repair, and guardrail replacement.

# Regional Pavement Maintenance Program



Year	Participants	Individual Projects	Combined Projects	Total Cost
2011	10	23	6	\$3.1 million
2012	10	28	6	\$3.0 million
2013	12	36	8	\$4.2 million
2014	16	37	8	\$5.2 million
2015	14	34	9	\$4.7 million
2016	11	34	9	\$6.0 million
2017	20	39	9	\$6.2 million
2018	17	47	10	\$7.2 million

# Current Projects



- Home Avenue Bridge (Akron)
- N. Main Street Bridge over Howard Street Removal (Akron)
- SR 18 Walkway (Bath Township Project)
- Boston Mills Road Geotechnical Study (Boston Twp)
- Bath Road Bridge over the Cuyahoga Rehab (Akron)
- Canton Road at US 224/SR 91 (ODOT Project)
- Medina Line Road Bridge over a branch of Yellow Creek
- Medina Line Road Resurfacing – SR 18 to Granger

# Cleveland-Massillon Road Bridge - Copley



- Emergency closure due to bridge beam deterioration
- County legislation to declare emergency will be introduced Monday, May 13<sup>th</sup> to expedite the procurement process of demolishing the bridge and replacing it with a culvert
- We have received quotes from two contractors for the demolition of the current structure and met with culvert pipe manufacturers
- A permit request was overnighted to the US Army Corp of Engineers and we met with the Barberton Water Department
- We will keep the township in the loop on any changes or progress





# Upcoming Construction Projects



- **Riverview Road Bridge over Furnace Run Reconstruction (Cuyahoga Falls)**
  - Design is complete on this project and final paperwork has been submitted to ODOT
  - The ODOT sale date is April 1, 2020 but this will be ready to bid in 2019
  - One lane of traffic to be maintained at all times

# Upcoming Construction Projects



- **Cleveland Massillon at Ghent Road Intersection Improvement**
  - Currently at the Stage 2 design phase
  - This project includes funding from SCE, Bath Township, and the Embassy Parkway Landowner's Association
  - The project involves realigning the intersection from a "Y" intersection to a "T" intersection and adding a continuous right turn lane on Cleveland Massillon to reduce congestion
  - Projected construction start date is Summer 2019

# Upcoming Construction Projects



- **West Bath Road Landslide Repair**
  - Mannik Smith Group has been hired to design a landslide stabilization project on W. Bath Road from N. Revere Road to 500 feet east of the intersection. Repairs will include both the north and south embankment of the roadway.
  - Project bid date for construction is Fall 2019
  - Road to be closed eight weeks

# Upcoming Construction Projects



- **Cleveland Massillon at SR 162 Improvement**
  - ODOT led project to add an eastbound left turn lane on SR 162 and a southbound right turn lane on Cleveland Massillon
- **Cleveland Massillon at Ridgewood Road Intersection Improvement**
  - Thrasher Engineering is currently designing this intersection improvement project. The project involves adding a southbound right turn lane and an eastbound left turn lane and upgrading the traffic signal.
  - Part of an effort with Copley Township and ODOT to reduce congestion along the corridor
  - Construction expected in 2020

# Upcoming Construction Projects



- **Wright Road Bridge Replacement**
  - Bridge replacement project being designed by ms consultants
  - Project to be bid out late 2019
- **Guardrail Replacement Project**
  - SCE received \$300,000 for guardrail replacement for Fiscal Year 2022
- **Major Resurfacing**
  - Boston Mills Road Part 2 from Blue Hen Falls parking lot to end of the Phase 1 improvements – Partially funded with FLAP grant funds. Currently under design with construction expected in 2020.
  - Portage Lakes Drive – EDG has completed the design for this resurfacing project and it will be bid out in summer or fall of this year.
  - Cleveland-Massillon Road Phases 1 and 2 – resurface Cleveland-Massillon Road from the City of Norton line to just south of Ridgewood Road. Design budgeted for 2020 for construction in 2022.

# Upcoming Design Projects



- High Level Bridge – Partial preliminary engineering and environmental work budgeted for 2020
- Brandywine Road Bridge over Brandywine Creek – design budgeted for 2020
- Medina Line Road Bridge over Mohler Ditch – design budgeted in 2020
- Riverview Road Bridge over Yellow Creek – Summit County's oldest bridge needs an environmental study to develop a long-term strategy for the bridge. Budgeted for 2021
- Christman Road Bridge Replacement – design budgeted in 2022
- CVNP Pedestrian Bridge – funded by Transportation Alternative Program and the national park and administered by SCE. Design work tentatively planned for 2020

# Upcoming Design Projects



- Possible intersection and corridor improvements resulting from previous safety studies
  - Valley View Road corridor, including an intersection improvement at Chaffee road
  - S. Main Street and Killian Road intersection improvement
  - Portage Lakes Drive realignment study

# Surface Water Management District



- The program has been fully implemented in Bath Township. Existing County employees developed the ERU calculations, billing system, and rules & regulations for the program.



# Surface Water Management District



- SWMD hired Sustainable Streams to prepare a general improvement plan for the Yellow Creek Drainage Basin. Sustainable Streams have recently submitted preliminary findings after their thorough review of the 31 square mile Yellow Creek Watershed, including many in person field reviews. Besides Yellow Creek, the five other watersheds partially located in Bath Township (Rocky River, Furnace Run, Cuyahoga River, Sand Run, and Schocalog Run) will also be studied and improved.

# Surface Water Management District



- SWMD worked with the Friends of Yellow Creek on a questionnaire to get feedback on drainage concerns and problem areas. This was put in the Bath Township newsletter and posted to the Friends of Yellow Creek website. They collected over 50 forms and Sustainable Streams visited and evaluated sites and included their findings with their preliminary report.

# Surface Water Management District



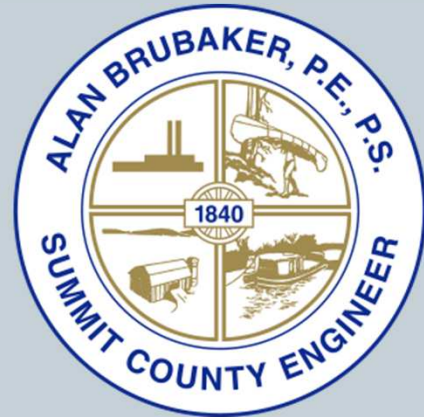
- Hired ms consultants to conduct a drainage study of Wye Creek which flows from the Sanctuary of Bath allotment past the “Bake Shop in Ghent”. The firm has evaluated this stream, which causes severe erosion and flooding, and is developing solutions.
- Next Steps: officially form an Advisory Committee in order to provide input to SWMD on priority projects and funding options. A few volunteers from Bath Township have already stepped up to be members of the committee, and more are needed.

# Conveyance Standards



- The Engineer's office and the Fiscal office are reviewing and revising the county conveyance standards.
- Copies of the proposed revised standards will be sent to the township zoning departments within the next few weeks.
- The revised standards will require advertisement and two public hearings before they can be approved.

# Questions?



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