



# The Orange Brigade



Summer 2012

Logan County Engineer's Office

Volume 41



## *Coleman's Comments*

Since the fall/winter newsletter we have experienced a very mild end to winter and a very warm spring. Our total costs for snow and ice control during this past winter season were \$215,543.00, which is about \$140,000 below our fourteen year average cost. These savings in snow and ice control costs will be utilized to help expand our roadway and bridge improvements during this summer.

The warm winter and spring has allowed us to get an early start on preparing for the construction season. We have been very busy with crack sealing roads ahead of our resurfacing and sealing programs. The ditch crews have been able to complete herbicide spraying early and keep up with the mowing during the early growing season.

With the renewal of the sales tax for roads and bridges, we have expanded our capital improvements program significantly this year. We will be completing a warm-mix asphalt resurfacing project covering 31 miles and totaling over 3 million dollars, our largest paving project to date. We are administering and inspecting a \$783,192 resurfacing project for the townships. We completed our first microsurfacing project on CR 10 from Bellefontaine to Zanesfield this year at a total cost of \$97,725.60. This is a thin overlay of polymerized asphalt that provides a new wearing surface and extends the life of the existing pavement. We will return to CR 10 later this summer to complete a resurfacing project on the hill west of Tree Links Golf Course. This project will make improvements to the superelevation through the curves. This work should help eliminate some of the accidents that have occurred on the curves in past years.

Our highway crews will construct over \$406,000 of chip-sealing to preserve 39 miles of pavement this summer (which is funded by our regular fuel tax and license fee funds). We are also continuing to work on an asphalt rejuvenating sealer project that we estimate

to be \$300,000. These construction projects will spend most of the funds that we have been saving for the past several years to complete the surface courses of roads that received only base courses in the past. Most of our appropriated revenue will also be utilized to move these projects ahead by one year.

Our organization has continued to adapt to the new economic climate and seek improvements in efficiency. One example was the microsurfacing project where we worked at the "speed of business" to get this project done with a \$23,000 savings to the tax payers of Logan County. We received quotes for the project on Tuesday and began construction on Thursday of that same week. We were able to save costs and complete the work so rapidly because the contractor was finishing work for ODOT in Logan County which allowed us to save on the mobilization of materials and equipment. We were also able to take advantage of the state bid program to expedite the project.

We are also continuing our radio equipment upgrade with an additional grant from the Department of Justice and Homeland Security for new radio equipment. Helen Norris, EMA Director, was instrumental in securing this grant. With this grant we will be able to purchase ten additional VHF portable radios. These additional radios will be a tremendous help in maintaining communications and interoperable county services.

We have completed our herbicide spraying for Bokescreek and Lake Townships and continue mowing Lake Township as we mow the County roads. Sign inspections were completed for Lake, Liberty, and Rushcreek townships. These shared services projects help us to offset some of our costs and provide the townships with cost savings.

Sincerely,  
Scott C. Coleman, P.E., P.S.  
Logan County Engineer

## **Township Bridge 80 Replacement Update**

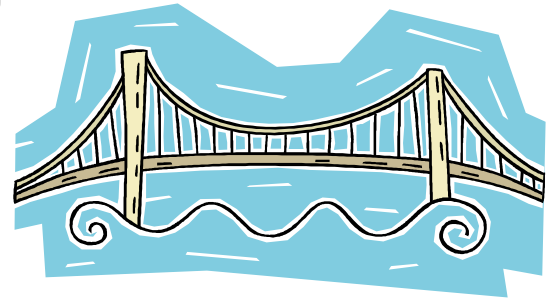
*By: Bryan Dhume, P.E.  
Assistant Engineer*

Bridge 80-1.46, located on TR 80 in Bloomfield Township, has been completed and the roadway reopened. This bridge was a combined effort with the construction being handled by both county crews and a subcontractor, US Bridge. US Bridge designed, fabricated and installed the 100' span x 24' wide galvanized steel truss. County crews were responsible for the remainder of the work, including concrete capped pile abutments, roadway embankment, asphalt paving, guardrail, and site reconditioning. Also as part of this project, county crews widened and reconstructed approximately 125' of roadway for the Bloomfield Township Trustees. This arrangement took advantage of county equipment already being mobilized to the site and fixed a deficient curve in the road that could be a potential maintenance issue. I appreciate the hard work of our bridge and highway crews on this project as well as the cooperation of the adjacent property owners and the Bloomfield Township Trustees during construction.

## **Bridge Crew Update**

*By: Shane Long  
Bridge Superintendent*

The bridge crew has been busy installing walls and performing site prep work on Twp Road 80. The road was opened on June 27<sup>th</sup>. During this time we have installed a new bridge structure on County Road 29 at the intersection of Township Road 179. This installation was completed in 10 working days. Thanks to Bruce Lile, Darren Godwin, and other property owners for their support of this project. At the same time the crew has been working on County Road 10, bridge 10-5.06, repairing the concrete deck. The crew has repaired and replaced the roof on the County old garage building office. I want to thank the bridge crew for all of the projects they have completed this year.



## **2012 Logan County Engineer's Scrap Tire Grant**

*By: Harvey Grimes  
Administrative Coordinator*

This year we applied for and received a \$150,000 grant to use asphalt which has been modified with ground scrap tires in a portion of our paving program. We received a similar grant in 2008 and the performance of this product has been very good. It has reduced rutting and cracking of the hot mix. Our program this year will use approximately 22,000 scrap passenger tires which otherwise would have been placed in a landfill. The grant will cover the \$14 per ton premium associated with this product. The roads we plan to pave using this product are as follows:

CR 142 from north corporation line of West Mansfield to CR 26  
CR 26 from the Union County line to SR 292  
CR 20 from the Union County line to CR 12

## Highway Update

*By: Joel Miracle  
Highway Superintendent*

We were able to start the construction season earlier this year because of the above normal temperatures in April and May. We have completed tile and culvert replacements. The crews have begun the crack sealing of various roads throughout the county and have put down over 19,000 pounds of material. The Gradall crew is ahead of schedule on correcting drainage issues around the county. Due to our college interns beginning work later than normal our chip sealing is a little behind schedule. The highway crew has completed the paving of the Twp Road 80 bridge in Bloomfield Township and the new bridge at CR 29 and TR 179.

## Employee Saves City Couple

*By Art Harper*

On Sunday morning June 24, 2012 at 5:45 AM Todd Bumgardner, General Superintendent, was walking his dogs around his Bellefontaine neighborhood. He noticed smoke coming from a residence on Dakota Road. While calling 911 on his cell phone Todd forcefully knocked on the front door and awoke the owner's Les and Gerri Foreman. Mr. Foreman stated to the media "that Todd undoubtedly saved their lives." Todd being the humble person that he is stated "that he did what any other person would have done" but we know that Todd always goes the extra mile to help people!. **GREAT JOB TODD!**

## College Interns

This summer we are pleased that three of our summer interns from 2011 have returned. We would like to welcome back--Jeremy Clifton a Bellefontaine High School graduate and a student at The Ohio State University, Kerstin Harmon an Indian Lake High School graduate and a student at the University of the Columbians, and Grace Yoder a West Liberty Salem High School graduate and a student at Eastern Mennonite University.

## Safety Update

Through the efforts of all LCEO employees we continue to add to our days with no lost time accidents. On Wednesday, June 20, 2012 a luncheon took place for all employees to celebrate **734 days** with no lost time accidents. Each employee was given a T-Shirt to recognize this accomplishment during the luncheon.

## New Employee & Summer Birthdays

Art Harper from Bellefontaine joins our team as a Personnel Specialist and Brad Carnes from Rushsylvania has started as a Mechanic I.

Upcoming Birthdays:

July	August	September
08-Brad Jackson	20-Mark Fullerton	04-Bryan Dhume
31-Steven Tracey	21-Jeremy Burrey	15-Greg Kennaw
		29-Jason McKee

### 2012 PROPOSED COUNTY RESURFACING PROGRAM

Road #	Begins	Ends	Road #	Begins	Ends
<b>20</b>	CR 12	Logan-Union Co. Line	<b>118</b>	CR 20	CR 5
<b>26</b>	SR 292	Logan-Union Co. Line	<b>12</b>	CR 50 (resume)	SR 292 End
<b>48</b>	CR 12	Logan-Union Co. Line	<b>142</b>	N. Corp. Line W. Mansfield	CR 26
<b>50</b>	CR 12 Lt.	SR 292	<b>265</b>	SR 274	CR 12
<b>97</b>	CR 96	TR 97	<b>10*</b>	Bellef. Corp.	Zanesfield
<b>97A</b>	CR 97	SR 273			

\* Microsurfacing project.

### 2012 PROPOSED COUNTY CHIP SEAL PROGRAM

Road #	Begins	Ends
<b>24</b>	North Corp line of DeGraff	SR 235
<b>28</b>	CR 29/Pickrelltown	US 33
<b>39</b>	TR 100	South Corp. Belle Center
<b>87</b>	CR 17/County Line	CR 275
<b>88</b>	CR 17	US 33
<b>90</b>	CR 88	Auglaize County Line
<b>113</b>	CR 101 and CR 111	US 68
<b>153</b>	Zanesfield East Corp. Line	SR 287
<b>171</b>	SR 245	CR 28
<b>Strip Sealing</b>		
<b>58</b>	Logan/Shelby Co. Line	TR 207
<b>59</b>	Logan/Shelby Co. Line	CR 21
<b>60</b>	Logan/Shelby Co. Line	CR 54 End