

# Central Avenue Resurfacing

*Revised April 29, 2020*

## Project Background

Central Avenue will be resurfaced through the Ohio Department of Transportation's Urban Resurfacing Program this year. The 2.4-mile project includes the removal and resurfacing of the surface course of asphalt from Troy Road to The Point intersection on the east side of town. The State's Urban Resurfacing initiative was established by ODOT to assist small communities like Delaware with the cost in maintaining U.S. and State routes that extend within the corporate limits of the community, and that may otherwise not be able to afford the high cost of maintaining these streets. The program allows for the State highway system to be maintained every ten years to keep the network in good shape. The program provides up to 80% of the cost of replacing the pavement surface, with the City's contribution covering the remaining 20% of construction cost. The City is required to pay for 100% of the cost of other construction items including costly pavement base repairs.

Central Avenue has not been fully reconstructed in over fifty years and as such is susceptible to higher rates of deterioration than newer pavements in town. East Central Avenue continues to be one of the most challenging sections of roadway within the community to maintain, especially with the damaging impact associated with the many transport trucks using that section as a connection between US 23 and US 36 to the east. Because of the age of pavement and lack of proper roadway drainage, damage extends below the surface into the road base and results in numerous base failures that require constant and costly repairs. Though the resurfacing will provide a restored surface with smoother ride once complete, it is anticipated the new condition will not last through another 10-year cycle and likely require new repairs within a few years.

To end the cycle of resurfacing followed by pavement base repairs the street must be reconstructed to modern road standards. The City is in process of developing a comprehensive reconstruction project for East Central Avenue, details of which can be reviewed under a separate Access Delaware article titled East Central Avenue Improvements. Nevertheless, a large-scale reconstruction effort requires State and Federal funding support and several years to plan, design and construct. Therefore, it was determined that is in the best interest of the City to advance the 2020 resurfacing project on Central Avenue to provide some relief from the current poor condition.

## Improvements

The work will include performing additional pavement base repairs in all areas showing pavement distress deeper than the surface. Typically, in these areas, the pavement and base are removed to a depth of 12" and replaced with highway strength asphalt. Once all base repairs are completed, the entire surface of pavement will be removed by a self-propelled milling machine to depth of 1 ½". The surface is then broom cleaned, has a bituminous

asphalt bonding agent applied to the clean surface, and overplayed with a new 1 ½” hot mix asphalt surface source. Temporary pavement markings are installed along the route to maintain safety until all surface asphalt has been placed. Finally, new permanent paving markings are installed along the route.



***Typical Asphalt Milling Operation***

**Schedule & Status**

The contract has been awarded by ODOT to Shelly & Sands. It is anticipated that the work will commence in May and take up to five weeks to complete. Work on completing road base repairs will occur during the day with traffic being maintained with one lane open managed by flaggers. The pavement milling and resurfacing operations will occur during the night when traffic volumes are at the lowest. During night work, Central Avenue will be closed to traffic for several blocks at a time to allow room for the large equipment to operate safely. All traffic will be detoured during night activity.

Phase	Year	Status
Design	2019	Complete
Bid/Award	January 2020	Complete
Construction	June - July 2020	Pending

## Project Budget

Funding for the City portion of construction comes from the State Highway improvement Fund where revenues are available from a portion of both State Gas Tax and vehicle license fees deposited into the fund. The 2020 City budget included \$180,000 to cover the cost though higher than anticipated bids required the City to supplement this amount with an additional \$27,520 in funding.

## Project Funding

The project is partly funded through the ODOT Urban Resurfacing Program which covers 80% of the cost of pavement resurfacing. The City contributes 20% of the cost of surface restoration and 100% of the cost of non-surface items as shown below in the table.

Item	Responsibility	Cost
Design	ODOT	N/A
Resurfacing	ODOT	\$585,364
Resurfacing	City	\$307,520
<b>Total</b>		<b>\$892,884</b>

## Project Updates

For weekly project updates and reports, visit the Access Delaware Facebook page.

For information regarding other local roadway improvement and transportation projects, visit [www.delawareohio.net/access-delaware](http://www.delawareohio.net/access-delaware)