

**AGENDA**  
**STREET PRESENTATION – CITY COUNCIL**  
**FEBRUARY 26, 2018**

- Summary of 2017 Paving Projects
- Summary of 2017 Maintenance Project and Alleys
- Summary of Revenues and Expenses
- A look into the street selection process:
  - Pavement Condition Rating (PCR)
  - Average Daily Traffic (ADT)
  - Other Planned City Projects (Underground work)
  - Scope of the Project (What's underneath the surface??)
  - Locations of streets – Grouping streets together
  - Availability of other Funding Sources
- A look into 2018 Roadway projects
  - Pierce Ave. Resurfacing (STP)
  - 2018 Local Paving Project
  - S.R. 188 – Cedar Hill Rd/Int Main & Memorial (ODOT Project)- Most Work in 2019
  - Commerce/Quarry (OPWC) – May push to 2019

**3 Mil Levy Dollars**  
**Years: 2014, 2015, 2016, 2017**

		Expense by Item	Balance	Percent of Total
<b>Total Collected - 3 Mil Levy Fund</b>			\$8,725,731.61	
	Fees (State/Co. Auditor)	\$156,462.92	\$8,569,268.69	1.79%
<b>Paving</b>	2014 Paving	1,006,003.73	\$7,563,264.96	11.53%
	2015 Paving	\$1,402,197.49	\$6,161,067.47	16.07%
	2016 Paving	\$1,375,191.91	\$4,785,875.56	15.76%
	2017 Paving	\$1,397,289.75	\$3,388,585.81	16.01%
<b>Local Match</b>	Pierce Ave. Local Match	\$117,480.00	\$3,271,105.81	1.35%
	West Fair/Collins Road Expended thus far	\$63,128.40	\$3,207,977.41	0.74%
	North Ewing Local Match	\$18,692.67	\$3,189,284.74	0.25%
	South Ewing Local Match	\$33,068.25	\$3,156,216.49	0.54%
	<b>Equipment</b>	<b>\$78,231.00</b>	<b>\$3,077,985.49</b>	<b>0.90%</b>
	Consultants, Studies, Inspections	\$233,627.91	\$2,844,357.58	2.68%
<b>Maintenance</b>	2014 Micro	\$337,242.80	\$2,507,114.78	3.86%
	2015 Micro	\$479,926.33	\$2,027,188.45	5.50%
	2016 Micro	\$390,558.43	\$1,636,630.02	4.48%
	2017 Micro	\$350,046.73	\$1,286,583.29	4.01%
	Maintenance (2014,2015,2016, 2017)	\$753,164.87	\$533,418.42	8.63%
				<b>94.09%</b>

Balance of Funds starting 2018	<b>\$533,418.42</b>	
\$250,000 Reserved for Emergency	\$250,000.00	2.87%
\$270,000 kept for OPWC Application Requirements	\$270,000.00	3.09%
	<b>\$13,418.42</b>	

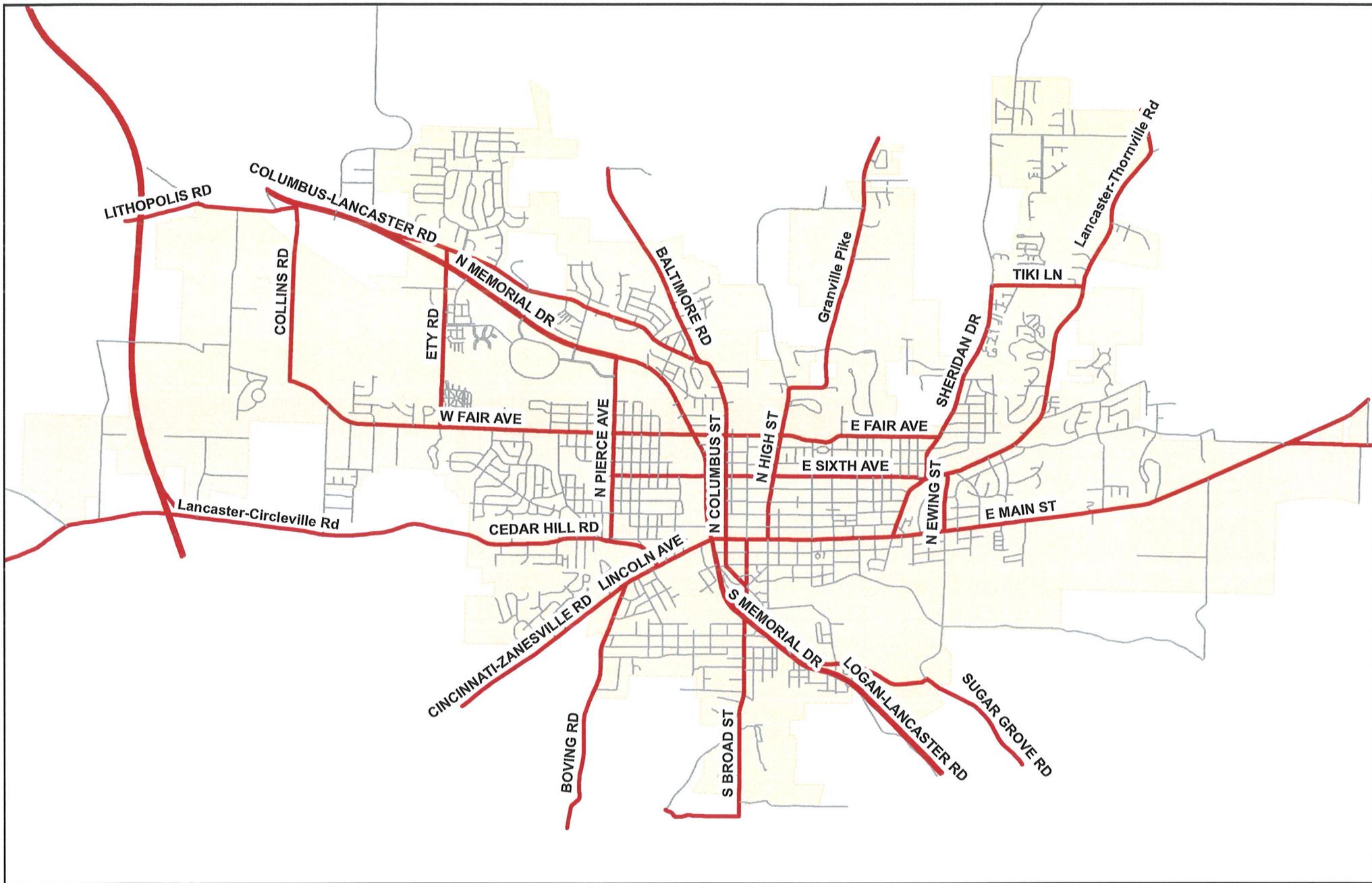
**Street Paving Data:**

	2014 Paving	2015 Paving	2016 Paving	2017 Paving	2015 Pierce/Fair Intersection	2015 West Fair /Collins Road	2017 North Ewing	2017 South Ewing	Total
Length of Street (Miles)	2.77	3.13	2.82	3.88		1.96	0.37	1.12	16.05
Square Yards of Street (SY)	54,838	50,200	63,361	66,891		34,295	6,745	20,571	296,901
Cost of ADA Upgrades	\$75,095.40	\$20,842.00	\$150,828.65	\$173,027.00	-	\$81,033.00	\$36,400.00	\$28,118.00	\$565,344.05
Cost of Curbing Upgrades	\$25,050.40	\$29,715.00	\$63,681.40	\$47,663.00	-	\$108,205.00	\$101,210.00	\$125,051.00	\$500,575.80
Utility Casting Adjustments	\$59,625.00	\$12,335.00	\$63,375.00	\$87,020.00	-	\$28,650.00	\$13,900.00	\$30,700.00	\$295,605.00
Total ADA, Curbing, Castings	\$159,770.80	\$62,892.00	\$277,885.05	\$307,710.00		\$217,888.00	\$151,510.00	\$183,869.00	\$1,361,524.85
STP Funds					\$469,920.00	\$841,711.00	\$355,160.87		\$1,666,791.87
OPWC Funds								\$390,012.44	\$390,012.44
Jobs and Commerce Funds								\$230,731.00	\$230,731.00
Local Funds	\$1,006,003.73	\$1,402,197.49	\$1,375,191.91	\$1,397,289.75	\$117,480.00	\$210,427.99	\$18,692.67	\$33,068.25	\$5,560,351.79
Total Cost	\$1,006,003.73	\$1,402,197.49	\$1,375,191.91	\$1,397,289.75	\$587,400.00	\$1,052,138.99	\$373,853.54	\$653,811.69	\$7,847,887.10

\*Loan Payments 5 Years  
Paid 3 payments so far:  
\$63,128.40

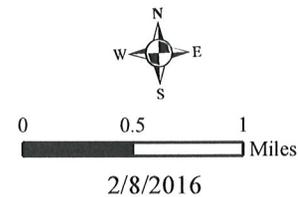
**Micro-Surfacing Data:**

	2014 Micro	2015 Micro	2016 Micro	2017 Micro	
Length of Street (Miles)	2.25	2.63	3.76	1.51	10.15
Square Yards of Street	44,881	45,708	101,834	59,343	251,766
	\$337,242.80	\$479,926.33	\$390,558.43	\$350,046.73	\$1,557,774.29

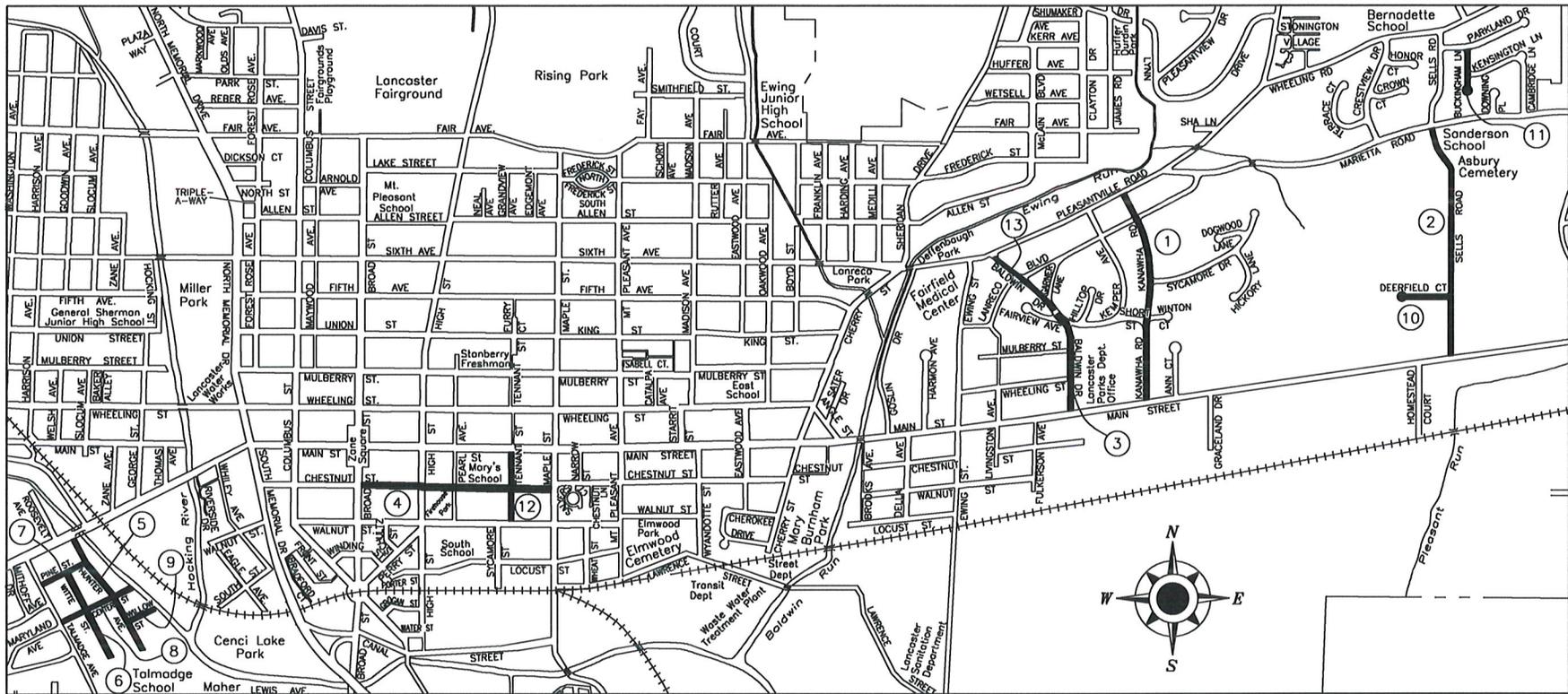


## Lancaster STP Roads

- STP Roads
- Local Roads



All data created has been developed to meet National Map Accuracy Standards. All GIS data layers are referenced in the Ohio State Plane Coordinate System: Horizontal - North American Datum (NAD) 83 (95) Vertical data - North American Datum Vertical Datum (NAVD) 88 Units - Surveyors Feet. All data has been developed from public records that are constantly undergoing change and is not warrant for content, completeness or accuracy. The City of Lancaster does not warrant, guarantee or represent the data to be fit for a particular use or purpose. For detailed information about data layers shown, or to report discrepancies please contact the City of Lancaster, Department of Information Technology



LOCATION MAP – BASE BID

1. KANAWHA RD. (E. Main St. to Pleasantville Rd.)
2. SELLS RD. (E. Main St. to Marietta Rd.)
3. BALDWIN DR. (E. Main St. to Kemper Ave.)
4. E. CHESTNUT ST. (S. Broad St. to S. Maple St.)
5. HUNTER AVE. (Unnamed Alley to Lincoln Ave.)
6. WITTE ST. (Unnamed Alley to Pine St.)
7. PINE ST. (Talmadge Ave. to Hunter Ave.)
8. CENTER ST. (Talmadge Ave. to End.)
9. WILLOW ST. (Hunter Ave. to End)

LOCATION MAP – ALTERNATE BID

10. DEERFIELD CT. (End to Sells Rd.)
11. BUCKINGHAM LN. (End to Parkland Dr.)
12. TENANT ST. (E. Walnut St. to E. Main St.)
13. BALDWIN DR. (Kemper Ave. to Pleasantville Rd.)

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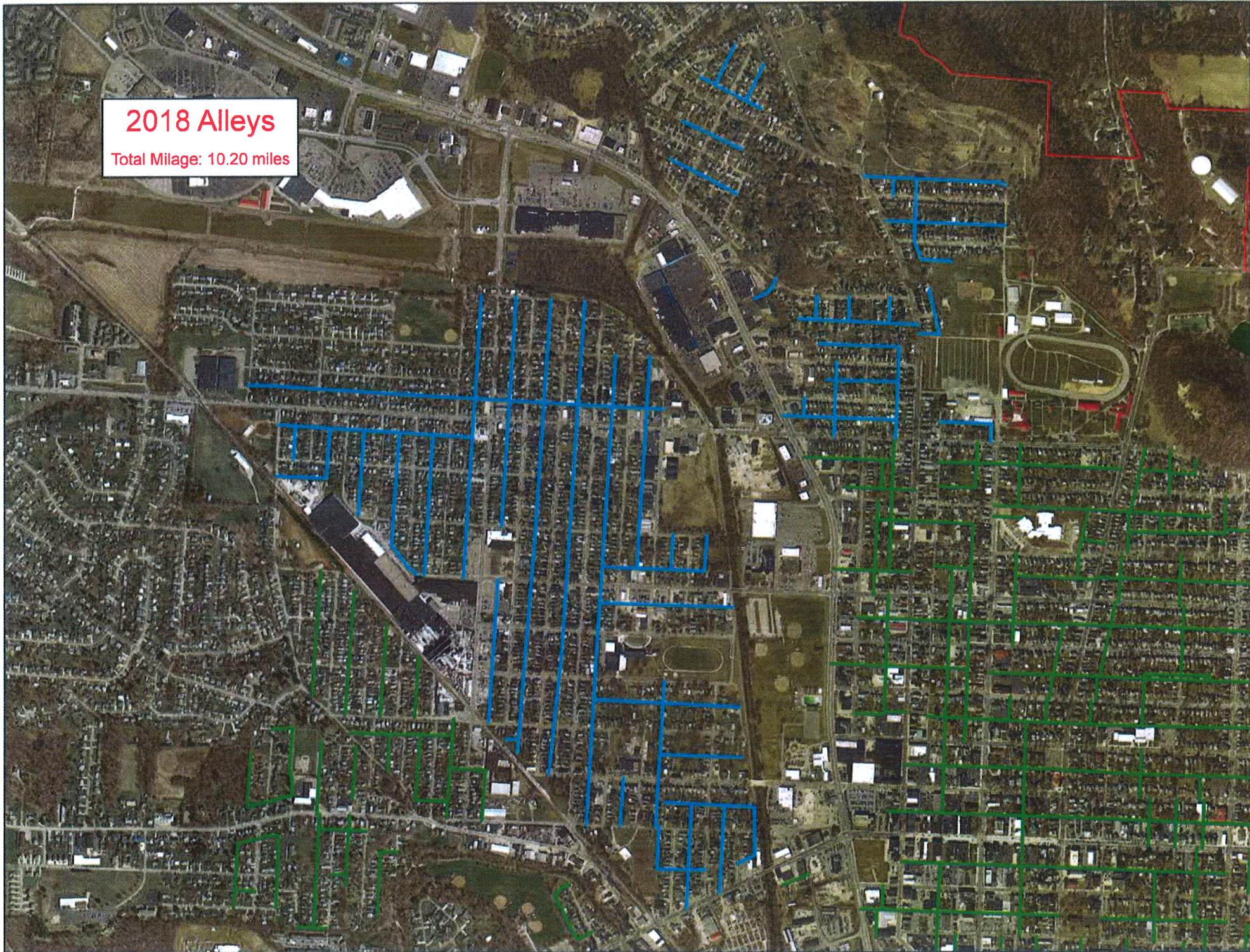
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LOCATION MAP

2018 STREET  
IMPROVEMENT PROGRAM

# 2018 Alleys

Total Milage: 10.20 miles



Section: \_\_\_\_\_

Date: \_\_\_\_\_

Log Mile: \_\_\_\_\_ to \_\_\_\_\_

## ASPHALT SURFACE LOCAL

Rated by: \_\_\_\_\_

Sta: \_\_\_\_\_ to \_\_\_\_\_

### RATING FORM

# of Utility Cuts \_\_\_\_\_

DISTRESS	Distress Weight	SEVERITY*			EXTENT**			STR ***
		L	M	H	O	F	E	
RAVELING	10	Slight Loss of Sand	Open Texture	Rough or Pitted	<20%	20-50%	>50%	
BLEEDING	5	not rated	Bitumen & Agg visible	Black Surface	<10%	10-30%	>30%	
PATCHING	5	<1 ft <sup>2</sup> .	<1 yd <sup>2</sup>	>1 yd <sup>2</sup>	<10/mile	10-20/mile	>20/mile	
SURFACE DISINTEGRATION/DEBONDING/POTHOLES	5	depth <1" area <1 yd <sup>2</sup>	<1", >1 yd <sup>2</sup> >1", <1 yd <sup>2</sup>	>1" and >1 yd <sup>2</sup>	<5/mile	5-10/mile	>10/mile	
RUTTING	10	1/8" - 3/8"	3/8" - 3/4"	>3/4"	<20%	20-50%	>50%	Y
MAP CRACKING	5	5'x5' to 9'x9'	1'x1' to 5'x5'	1'x1' or Alligator	<20%	20-50%	>50%	
BASE FAILURE	10	Barely Noticeable Pitch and Roll	Noticeable Pitch/Roll Jarring Bump	Severe Distortion Poor Ride	<2/mi	2-5/mi	>5/mi	Y
SETTLEMENTS	5	Noticeable effect on ride	Some Discomfort	Poor Ride	<2/mi	2-4/mi	>4/mi	
TRANSVERSE CRACKS	10	<1/4", no spalling	1/4-1", >.5 spalled	>1", >.5 spalled	CS>100'	100'<CS<50'	CS<50'	Y
WHEEL TRACK CRACKING	15	Single/multiple cracks <1/4"	Multiple cracks >1/4"	Alligator >1/4" Spalling	<20%	20-50%	>50%	Y
LONGITUDINAL CRACKING	5	<1/4", no Spalling	1/4-1", >.5 spalled	>1", >.5 Spalled	<50' per 100'	50-150' per 100'	>150' per 100'	Y
EDGE CRACKING	5	Tight, <1/4"	>1/4", some Spalling	>1/4", moderate Spalling	<20%	20-50%	>50%	Y
PRESSURE DAMAGE/UPHEAVAL	5	bump < 1/2", Barely Noticeable	1/2" - 1", Fair Ride	>1", Poor Ride	<20%	20-50%	>50%	
CRACK SEALING DEFICIENCY	5	Not considered			<50%	>50%	No Sealant	

\*L = LOW  
M = MEDIUM  
H = HIGH

\*\*O = OCCASIONAL  
F = FREQUENT  
E = EXTENSIVE

\*\*\*STR = DISTRESS INCLUDED IN STRUCTURAL DEDUCT CALCULATIONS.

### REMARKS

Section: \_\_\_\_\_

Log Mile: \_\_\_\_\_ to \_\_\_\_\_

Sta: \_\_\_\_\_ to \_\_\_\_\_

**KEY**  
**ASPHALT SURFACE LOCAL**  
**RATING FORM**

Date: \_\_\_\_\_

Rated by: \_\_\_\_\_

# of Utility Cuts \_\_\_\_\_

DISTRESS	Distress Weight	SEVERITY WEIGHT*			EXTENT WEIGHT**			DEDUCT POINTS***
		L	M	H	O	F	E	
RAVELING	10	0.3	0.6	1	0.5	0.8	1	
BLEEDING	5	0.8	0.8	1	0.6	0.9	1	
PATCHING	5	0.3	0.6	1	0.6	0.8	1	
SURFACE DISINTIGRATION/DEBONDING/P OTHOLES	5	0.3	0.6	1	0.6	0.8	1	
RUTTING	10	0.3	0.7	1	0.6	0.8	1Y	
MAP CRACKING	5	0.2	0.6	1	0.4	0.8	1	
BASE FAILURE	10	0.6	0.8	1	0.7	0.9	1Y	
SETTLEMENTS	5	0.4	0.7	1	0.6	0.8	1	
TRANSVERSE CRACKS	10	0.4	0.7	1	0.5	0.7	1Y	
WHEEL TRACK CRACKING	15	0.4	0.7	1	0.5	0.7	1Y	
LONGITUDINAL CRACKING	5	0.2	0.6	1	0.4	0.8	1Y	
EDGE CRACKING	5	0.4	0.7	1	0.5	0.7	1Y	
PRESSURE DAMAGE/UPHEAVAL	5	0.4	0.6	1	0.5	0.8	1	
CRACK SEALING DEFICIENCY	5	1	1	1	0.5	0.8	1	

\*L = LOW  
M = MEDIUM  
H = HIGH

\*\*O = OCCASIONAL  
F = FREQUENT  
E = EXTENSIVE

TOTAL DEDUCT = \_\_\_\_\_  
SUM OF STRUCTURAL DEDUCT (Y) = \_\_\_\_\_  
**100 - TOTAL DEDUCT = PCR = \_\_\_\_\_**

\*\*\* DEDUCT POINTS = DISTRESS WEIGHT X SEVERITY WEIGHT X EXTENT WEIGHT

REMARKS