

**CITY OF DELAWARE
PUBLIC WORKS/PUBLIC UTILITIES
COMMITTEE
CITY COUNCIL CHAMBERS
CITY HALL
1 S. SANDUSKY ST
6:00 P.M.**

AGENDA

May 7, 2019

1. ROLL CALL
2. APPROVAL of the Motion Summary for the meeting of the Public Works/Public Utilities Committee meeting held February 6, 2018, as recorded and transcribed
3. PUBLIC COMMENTS
4. UPDATE on Improvements to Shortcut Alley – Main Street Delaware
5. DISCUSSION of Franklin Parking Lot – Dumpster Urban Art Project
6. DISCUSSION of 5 Year Resurfacing Program – Local Street Approach
7. DISCUSSION of 2019 Pavement Base Repair and Patching Program
8. REVIEW of 2019 Capital Improvements Projects – Schedule & Prioritization
9. DISCUSSION of Sidewalk Maintenance Program
10. DISCUSSION of Curb Repairs – Cost, Approach, & Funding
11. STAFF COMMENTS
12. MEMBER COMMENTS
13. ADJOURNMENT

PUBLIC WORKS/PUBLIC UTILITIES COMMITTEE
MOTION SUMMARY
February 6, 2018

ITEM 1. Roll Call

The Clerk called the meeting to order at 6:00 p.m.

Members Present: Councilmember Jim Browning, Councilmember Chris Jones, and Councilmember George Hellinger

City Staff Present: Blake Jordan, Director of Public Utilities, Bill Ferrigno, Public Works Director/City Engineer, Nathaniel McCoy, Project Manager

ITEM 2. ELECTION OF CHAIR and VICE-CHAIR

Motion: Mr. Hellinger motioned to nominate Mr. Jones as Chairperson, seconded by Mr. Browning. There were no other nominations. The motion was approved by a 3-0 vote.

Motion: Mr. Hellinger motioned to nominate Mr. Browning as Vice-Chairperson, seconded by Mr. Jones. There were no other nominations. The motion was approved by a 3-0 vote.

ITEM 3. APPROVAL of the Motion Summary of the Public Works/Public Utilities Committee meeting held April 4, 2017 as recorded and transcribed.

Motion: Mr. Hellinger moved to approve the Motion Summary of the Public Works/Public Utilities Committee meeting held April 4, 2017, seconded by Vice-Chairperson Browning. Motion approved by a 3-0 vote.

ITEM 4. PUBLIC COMMENTS

There was no public comment.

ITEM 5. UPDATE of Snow and Ice Activities

Mr. Ferrigno discussed how staff tracks amounts of used salt and remaining balance of salt stockpile during inclement weather events. He reviewed the current salt supply, availability, and pricing.

Mr. Hellinger requested information regarding a buildup of ice in streets. Mr. Ferrigno discussed that hyperactive sump pumps can create this effect.

ITEM 6. UPDATE on Refuse Division Initiatives

a. Franklin Parking Lot Public Dumpster

Mr. Ferrigno discussed the pilot location for shared dumpsters in the Franklin St. parking lot and the impact to parking. He discussed the plan to have a more permanent screening if the pilot location is successful.

b. Curbside Leaf Collection Program

Mr. Ferrigno discussed the collection procedures for other municipalities and the current protocol for the City of Delaware leaf collection. He discussed the need for increased education and to continue with the current bagged leaf curbside collection.

c. Bulk Item Collection Program

Mr. Ferrigno discussed the success of the program and the positive feedback received from participants. He discussed the estimated cost for each pick up.

d. Automated Collection Vehicle

Mr. Ferrigno discussed the benefits to using an automated collection vehicle to reduce staff injuries.

e. Refuse Building Construction

Mr. Ferrigno reviewed the plans and layout for the building. He provided renderings of the elevations of the building.

ITEM 7. UPDATE of Roadway/Paving Initiatives

a. Over Height Detection System

Mr. McCoy provided information on the proposed over height detection system. He presented examples of the signage to inform drivers to contact the police if they get to a certain point.

b. US23 Emergency Resurfacing

c. 2018 Resurfacing Program

A discussion was held on the local streets resurfacing program.

ITEM 8. UPDATE on Public Utilities Projects

a. AMI

Mr. Jordan informed the Committee that there are approximately 40 residents that still require the meter converted.

b. Sanitary Sewer Master Plan

c. Wastewater Plant Tertiary Filtration Building Improvements

d. Replacement of Existing Galvanize Distribution Lines

Mr. Jordan discussed efforts to work alongside with the Public Works Department to coordinate the repairing of lines with street repairs.

ITEM 9. STAFF COMMENTS

ITEM 10. MEMBER COMMENTS

Mr. Hellinger discussed the lack of ordinances to govern sidewalk intrusions. He discussed observing bushes growing over the sidewalk and retaining walls that settling over the sidewalk.

Mr. Jones requesting staff look at turning benches in the downtown district to make more walkable space on the sidewalks.

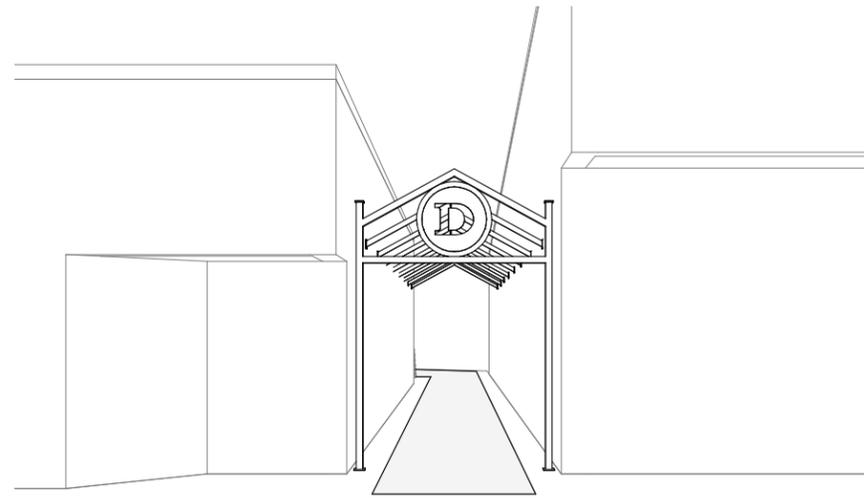
Mr. Jones and the Committee discussed starting the Public Works/Public Utilities meeting at 6:00 p.m. in the future.

ITEM 11. ADJOURNMENT

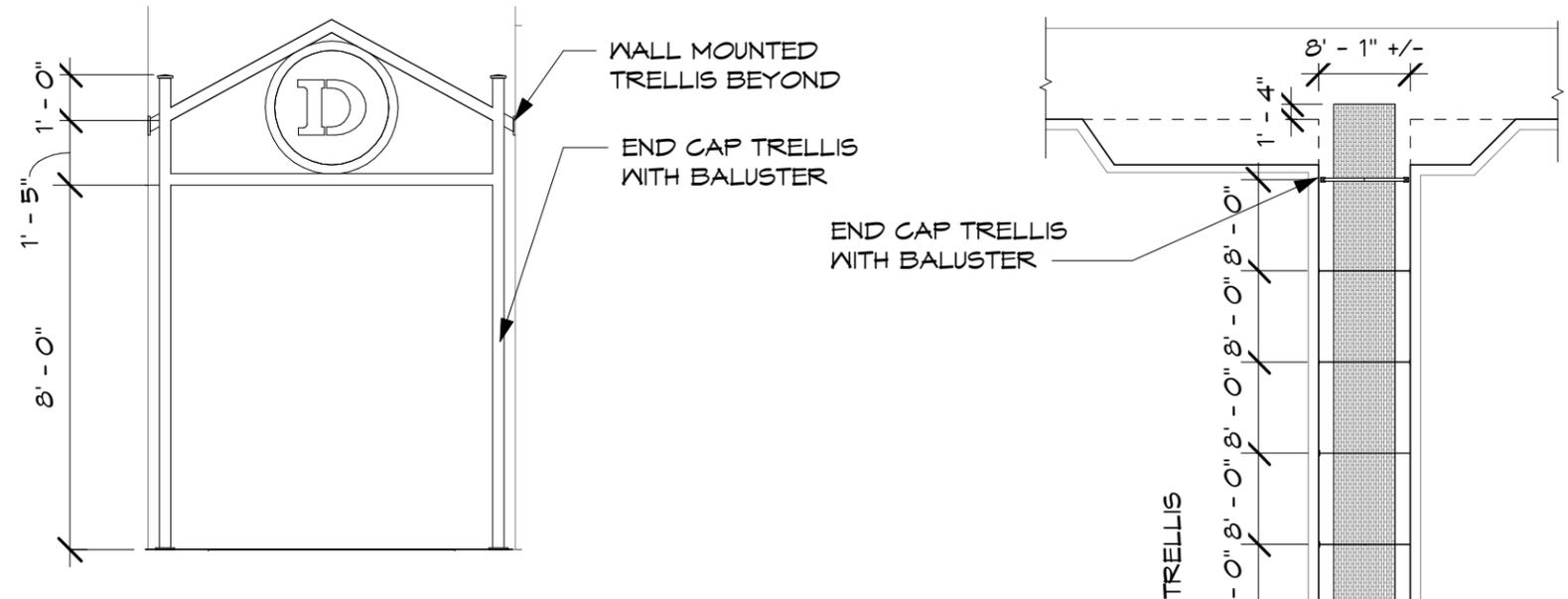
Motion: Mr. Hellinger motioned to adjourn the Public Works/Public Utilities Committee meeting. The meeting adjourned at 7:12 p.m.

Kent Shafer, Chairman

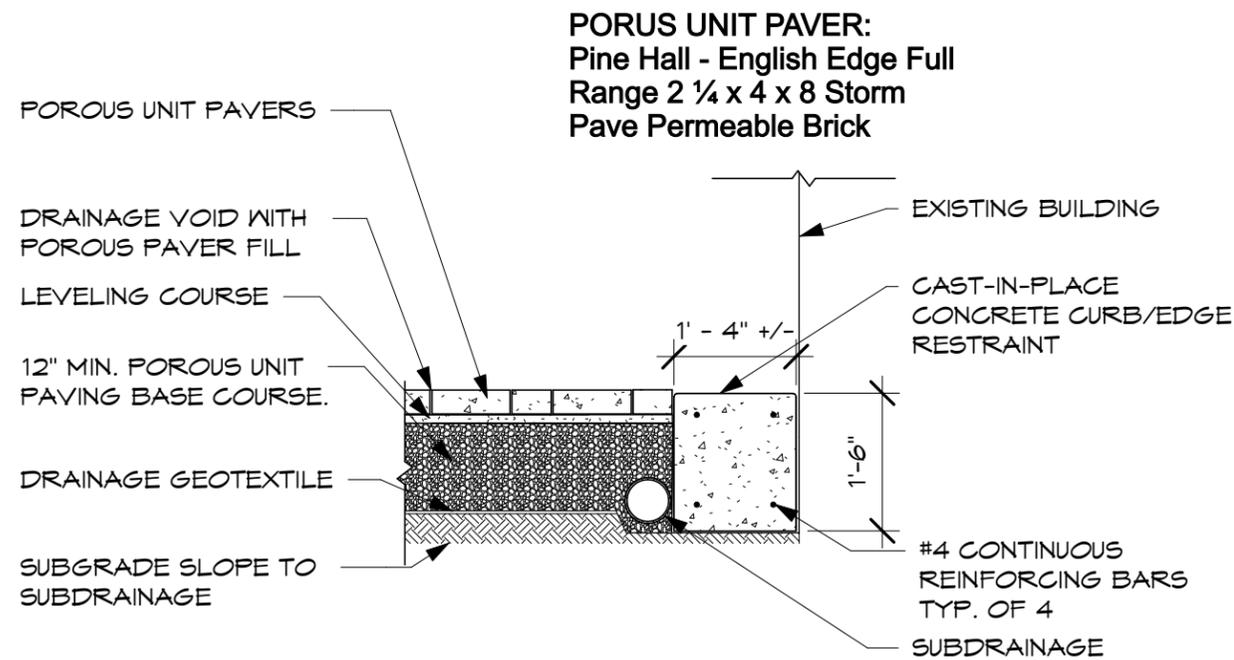
Elaine McCloskey, Clerk



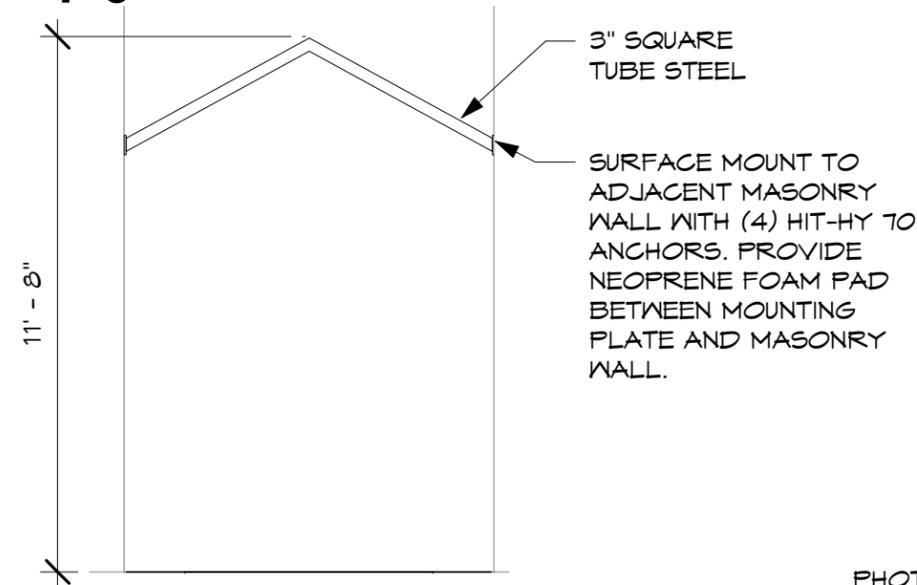
5 NORTH PERSPECTIVE
NOT TO SCALE



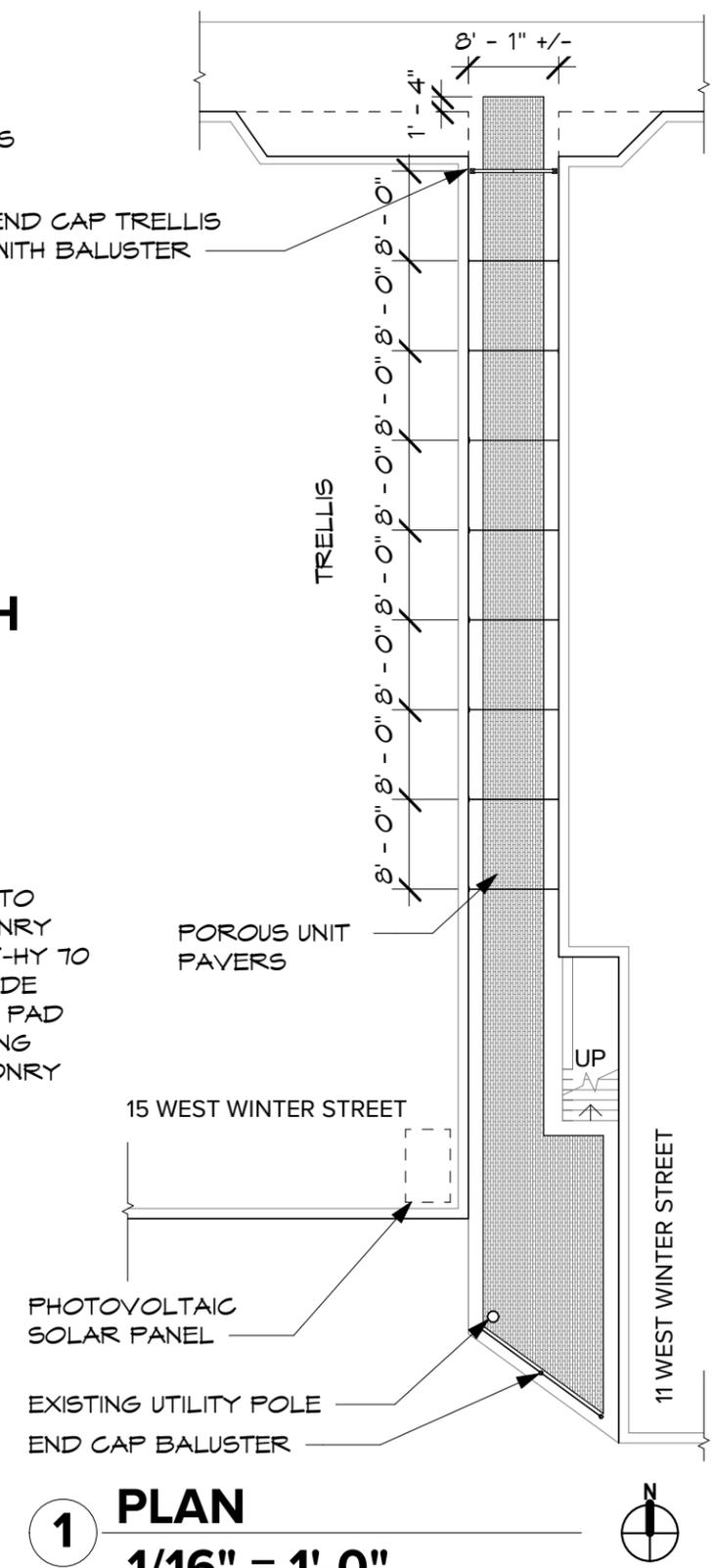
3 ELEVATION OF END CAP TRELLIS WITH BALUSTER
1/4" = 1'-0"



4 POROUS UNIT PAVER ASSEMBLY
1/2" = 1'-0"



2 ELEVATION OF WALL MOUNTED TRELLIS
1/4" = 1'-0"



1 PLAN
1/16" = 1'-0"



DOWNTOWN DELAWARE ALLEYWAY ENHANCEMENT
11-15 West Winter Street
Delaware, Ohio

Date: 10/16/2018
Drawn by PMM
Checked by ZCP









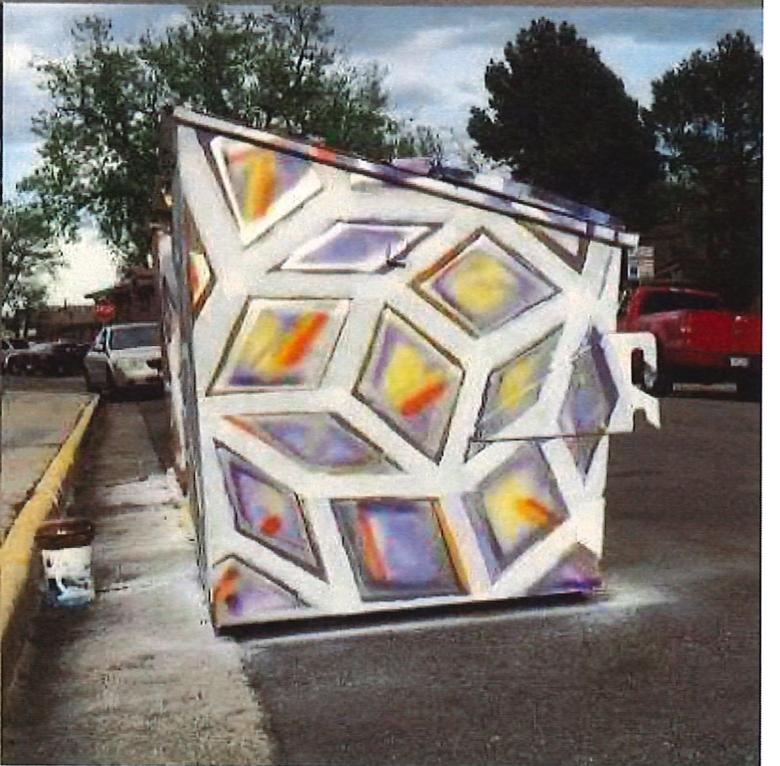




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5-Year Arterial/Collector Resurfacing Grant Program (2019-2023)

Year	Street	Functional Class	Funding	Area (SF)	Unit Cost	Cost
2019	Union St (Central to Heffner)	Local	OPWC/Local	114,590	\$ 3.30	\$ 378,147
	Houk Rd (Pittsburgh to RR)	Minor Arterial	OPWC/Local	40,500	\$ 7.00	\$ 283,500
	Houk Rd. (US36 to SR37)	Minor Arterial	OPWC/Local	70,200	\$ 4.40	\$ 308,880
	Birch Bend	Local	CDBG/RLF	7,125	\$ 3.00	\$ 21,375
	English Terrace	Local	CDBG/RLF	17,316	\$ 3.00	\$ 51,948
	Pumphrey Terrace	Local	CDBG/RLF	17,364	\$ 3.00	\$ 52,092
	Section Line Road	Minor Arterial	Local Match			\$ 115,000
	<i>Admin. & Inspection</i>					\$ 50,000
Total Cost						\$ 1,260,942
2020	Belle Ave	Minor Arterial	OPWC/Local	74,112	\$ 1.75	\$ 129,696
	West William Base Repair (12")	Minor Arterial	OPWC/Local	10,000	\$ 14.00	\$ 140,000
	West William Base Repair (22" w/Rail)	Minor Arterial	OPWC/Local	10,000	\$ 30.00	\$ 300,000
	Glenn Parkway (Ohio Health - Sycamore)	Minor Arterial	OPWC/Local	500,000	\$ 1.50	\$ 750,000
	SR37/521 Urban Resurfacing (Troy to The Point)	Principal Arterial	80 ODOT/20 Local			\$ 175,000
	<i>Admin. & Inspection</i>					\$ 50,000
Total Cost						\$ 1,544,696
2021	Liberty Rd. (w/ Edge Treatment)	Minor Arterial	OPWC/Local	150,867	\$ 4.00	\$ 603,468
	Hawthorn Blvd	Collector	OPWC/Local	131,744	\$ 2.00	\$ 263,488
	Pittsburgh Dr	Minor Arterial	OPWC/Local	271,628	\$ 1.50	\$ 407,442
	Flax St.	Local	CDBG/RLF	29,238	\$ 3.00	\$ 87,714
	Rheem St	Local	CDBG/RLF	28,548	\$ 3.00	\$ 85,644
	Wade St	Local	CDBG/RLF	9,866	\$ 4.00	\$ 39,464
	<i>Admin. & Inspection</i>					\$ 50,000
Total Cost						\$ 1,537,220
2022	Pennsylvania Ave	Minor Arterial	OPWC/Local	180,000	\$ 2.50	\$ 450,000
	Lincoln Avenue	Collector	OPWC/Local	131,744	\$ 2.50	\$ 329,360
	Houk (RR to US 36)	Minor Arterial	OPWC/Local	250,000	\$ 1.75	\$ 437,500
	SR 37 & US 42 Base Repairs	Principal Arterial	OPWC/Local	10,000	\$ 15.00	\$ 150,000
	US36/SR37 Urban Resurfacing (Point to East Corp)	Principal Arterial	80 ODOT/20 Local			\$ 130,000
	<i>Admin. & Inspection</i>					\$ 50,000
Total Cost						\$ 1,546,860
2023	Cheshire Rd	Minor Arterial	OPWC/Local	350,000	\$ 2.50	\$ 875,000
	Braumiller Road	Minor Arterial	OPWC/Local	27,000	\$ 2.50	\$ 67,500
	Houk (SR 37 to Merrick)	Minor Arterial	OPWC/Local	150,000	\$ 1.75	\$ 262,500
	Todd Street	Local	CDBG/RLF	16,000	\$ 3.00	\$ 48,000
	Delta Street	Local	CDBG/RLF	9,000	\$ 3.00	\$ 27,000
	Maple Street	Local	CDBG/RLF	20,000	\$ 3.00	\$ 60,000
	Parson Avenue	Local	CDBG/RLF	10,500	\$ 2.00	\$ 21,000
	US42 South/SR 37 (Troy to W. Corp)	Principal Arterial	80 ODOT/20 Local			\$ 120,000
	<i>Admin. & Inspection</i>					\$ 50,000
Total Cost						\$ 1,531,000

Revised April 5, 2019

Local Street Patching & Repairs: Local/Collectors	Underfunded	142,276	\$4.00	\$569,104
Local Street Resurfacing Backlog: 20.91 miles of Local/Collectors	Underfunded	3,976,958	\$3-\$5/SF	\$8,651,409

5-Year Local Street Resurfacing Program										
Street	Length(ft)	CL Miles	Area SF	Cost	2019	2020	2021	2022	2023	
ABLEMARLE CIRLE	927	0.18	22,257	\$66,770		\$66,770				
ASH ST	930	0.18	22,329	\$66,988			\$66,988			
ASPEN CT	859	0.16	20,621	\$61,862			\$61,862			
BERNARD AVE	985	0.19	19,223	\$96,114						
BOULDER DR	1,320	0.25	42,255	\$126,765						
BOWTOWN RD	2,897	0.55	52,138	\$156,414						
BRANCH ST	748	0.14	11,963	\$35,889						
BRIDGEPORT WAY	1,672	0.32	40,123	\$120,368		\$120,368				
CALM ST	769	0.15	12,311	\$36,932						
CAPITAL CT	202	0.04	5,241	\$26,207				\$26,207		
CARLISLE AVE	294	0.06	4,710	\$14,130						
CASTLETON WAY	650	0.12	16,239	\$48,717		\$48,717				
CATHERINE ST	518	0.10	15,529	\$46,586						
CHAMBERLAIN ST	684	0.13	14,366	\$43,097						\$43,097
CHAMBERLAIN ST	592	0.11	9,464	\$47,320						\$47,320
CHANNING ST	1,471	0.28	32,359	\$97,076						
CHATHAM LN	174	0.03	4,527	\$22,635		\$22,635				
CHATHAM LN E	299	0.06	7,769	\$38,847		\$38,847				
CHATHAM LN W	326	0.06	8,466	\$42,331		\$42,331				
COLOMET DR	1,622	0.31	40,543	\$121,628						
COTTSWOLD DR	3,302	0.63	87,034	\$261,101	\$261,101					
COURT ST	509	0.10	9,157	\$27,470						
DARLINGTON RD	416	0.08	8,311	\$24,932						
DAVIDSON LN	638	0.12	30,646	\$91,939						
DOGWOOD DR	930	0.18	22,329	\$66,987			\$66,987			
E LINCOLN AVE	779	0.15	19,829	\$59,488				\$59,488		
EAST BRANCH RD	384	0.07	9,972	\$29,916						
EAST POINT XING	1,291	0.24	27,112	\$135,559		\$135,559				
ELIZABETH ST	996	0.19	33,864	\$101,592						
FAIR AVE	2,218	0.42	46,001	\$138,002						
FIRESTONE DR	1,617	0.31	42,051	\$126,152						
FLINTWOOD DR	735	0.14	19,114	\$57,343						
FOLEY ST	255	0.05	5,103	\$15,309						
FOREST AVE	1,773	0.34	49,642	\$148,925				\$148,925		
GIBRALTAR CT	210	0.04	5,462	\$16,385						
GOLD DUST DR	156	0.03	4,061	\$12,182						
GRAND CIRCUIT BLVD	974	0.18	31,161	\$93,484						
GRANITE CT	345	0.07	8,969	\$26,906						
GRISWOLD ST	291	0.06	8,733	\$26,200				\$26,200		
HALSTEAD CT	154	0.03	3,707	\$11,121		\$11,121				
HAMMOND ST	362	0.07	6,523	\$19,570						
HAMMOND ST	173	0.03	3,106	\$15,532						
HAVENS RD	757	0.14	15,145	\$75,727						
HAYES ST	772	0.15	16,209	\$48,626						
HEARTHSTONE DR	2,886	0.55	75,034	\$225,103						
HICKORY LN	1,351	0.26	24,314	\$72,941						
HILLSIDE DR	2,399	0.45	41,451	\$207,257			\$207,257			
HILLS-MILLER RD	796	0.15	17,513	\$52,539						
HOLLY RD	444	0.08	11,545	\$34,635						
KENSINGTON DR	2,452	0.46	61,289	\$183,868						
LANDEMERE CT	241	0.05	5,788	\$17,365		\$17,365				
LEWIS ST	483	0.09	14,481	\$43,442						
LITTLE ST	486	0.09	14,080	\$42,239						
LUSK LN	558	0.11	6,143	\$18,430						
MASON AVE	1,060	0.20	21,202	\$63,607						
MINERAL CT	207	0.04	5,386	\$16,159						
N FRANKLIN ST	4,102	0.78	126,263	\$378,788						
N WASHINGTON ST	3,466	0.66	92,551	\$277,654						\$277,654
N WASHINGTON ST	1,614	0.31	38,634	\$193,172						\$193,172
NEIL ST	717	0.14	10,044	\$30,131						
NOBLE ST	1,455	0.28	33,353	\$100,058						
NORTH ST	1,386	0.26	30,482	\$91,445						
NORTHHAMPTON CT	449	0.09	10,786	\$32,357		\$32,357				
NUTTER FARMS LN	1,709	0.32	61,510	\$184,529						
OAK HILL AVE	2,518	0.48	63,132	\$189,397						
OHIO ST	450	0.09	7,647	\$22,942						
OHIOHEALTH BLVD	786	0.15	37,706	\$113,117						
ORCHARD LN	610	0.12	10,976	\$54,881			\$54,881			
OWEN-FRALEY RD	2,295	0.43	39,010	\$195,050						

5-Year Local Street Resurfacing Program									
Street	Length(ft)	CL Miles	Area SF	Cost	2019	2020	2021	2022	2023
PADDOCK CT	141	0.03	3,532	\$10,596		\$10,596	\$10,596		
PAGE CT	236	0.04	6,130	\$30,650				\$30,650	
PARK LN	639	0.12	11,493	\$57,466			\$57,466		
PARKER ST	537	0.10	9,664	\$28,991					
PENICK AVE	1,053	0.20	33,701	\$101,103					
PERKINS ST	599	0.11	10,176	\$30,527					
PICKAWAY ST	349	0.07	6,289	\$18,868					
PINOAK CT	390	0.07	9,361	\$28,083					
POTTER ST	1,635	0.31	39,388	\$118,163					
PROVIDENCE LN	1,549	0.29	39,824	\$119,472		\$119,472			
RAVINE RIDGE DR	279	0.05	9,490	\$47,449					
REID ST	1,110	0.21	19,973	\$59,920					
RENNER ST	1,041	0.20	14,568	\$43,703					
ROCK CREEK DR	2,840	0.54	90,879	\$272,636					
ROSS ST	617	0.12	13,565	\$40,695					
SHELDON ST	717	0.14	11,479	\$34,437					
SILVER MAPLE DR	1,312	0.25	31,498	\$94,493					\$94,493
SMITH ST	439	0.08	7,896	\$39,478					\$39,478
SOMERSET RD	2,889	0.55	75,110	\$225,330	\$225,330				
SOUTH ST	658	0.12	11,190	\$33,570					
SPRING ST	1,470	0.28	51,434	\$154,302					
STILSON ST	728	0.14	11,642	\$34,926					
SUNBURY RD	129	0.02	3,861	\$11,584					
SUPREME CT	442	0.08	11,498	\$34,495				\$34,495	
SYCAMORE LN	911	0.17	33,664	\$100,992					
TARPY'S LN	796	0.15	14,335	\$71,677			\$71,677		
TAYLOR AVE	429	0.08	13,730	\$41,189					
THORNAPPLE TRL	565	0.11	13,551	\$40,652			\$40,659		
TODD ST	177	0.03	3,177	\$9,532					
TODD ST EXT.	683	0.13	12,300	\$61,502					
TOLEDO ST	576	0.11	13,834	\$41,501					
VANDEMAN AVE	735	0.14	12,497	\$37,491				\$37,491	
VERNON AVE	4,013	0.76	89,227	\$267,681					
VINE ST	873	0.17	12,218	\$36,655					
W FOUNTAIN AVE	1,735	0.33	48,594	\$145,782				\$145,782	
W HULL DR	351	0.07	11,233	\$33,699					
W LINCOLN AVE	368	0.07	7,368	\$22,104					
WALNUT ST	156	0.03	1,562	\$7,810					
WEBB ST	600	0.11	12,000	\$35,999					
WILLOW ST	449	0.09	8,535	\$42,673					\$42,673
WOODLAND AVE	675	0.13	13,498	\$40,494				\$40,494	
YORK AVE	723	0.14	17,361	\$86,806				\$86,806	
YORKSHIRE RD	907	0.17	22,668	\$68,003	\$68,003				
		20.91	Total	\$8,651,409	\$554,434	\$666,138	\$638,373	\$636,538	\$737,887

Quick Facts Regarding Road Resurfacing in Delaware & Gas Tax Benefits

- The City currently maintains 169 miles of combined local, collector and arterial roadway pavement:
 - 91 miles of Local Street
 - 42 miles of Collector Street
 - 11 miles of Arterial Streets
 - 15 Miles of SR/US Routes (80% Resurfacing by ODOT)
 - 11 Miles of US23 (100% resurfacing by ODOT)
- In 1999, the City contracted with an expert pavement consultant to evaluate the City's roadway network and develop recommendations regarding annual pavement maintenance, which at the time identified an annual expenditure of \$1.1 million to adequately fund a sustainable pavement maintenance program. However, over the past twenty years since that work, the city road network has expanded by 30%, and the cost of resurfacing has increased by 240%, which together inflate the recommended annual funding need to \$3.4 million in 2019 dollars.
- Recently updated pavement maintenance condition and cost evaluations show that a sustainable pavement maintenance program requires an annual expenditure in the range of \$2.9 to \$4.1 million in combined pavement preservation and resurfacing effort, or an average of \$3.5 million annually.
- For the past several years, the City has been able to fund approximately \$1.2 million in annual road resurfacing effort with the following annual funding: \$500,000 in OPWC Grant, \$50,000 in county match; \$60,000 CDBG, and \$590,000 in local revenues. Resurfacing efforts have focused largely on arterial and collector streets that carry the majority of daily traffic.
- With the city unable to identify the recommended funding to establish a sustainable pavement maintenance program, an estimated \$8.6 million in funding is now required to address the 21 miles of local streets recently identified during recent pavement evaluations in need of resurfacing.
- The recently approved 10.5 cents per gallon gas tax will generate approximately \$750,000 in additional funding available to the city, with the potential to elevate annual resurfacing expenditures to \$2 million. This would allow the City to increase annual resurfacing efforts to include approximately 30% of the combined local and collector streets.
- To be fully sustainable, an additional \$1.5 to \$2.0 million in annual funding is still required to reach the point where the City's annual resurfacing program can address all local residential streets.
- The additional gas tax revenue is not sufficient to:
 - Address the paving needs of all local residential streets.
 - Include the recommended pavement preservation treatments to increase the life cycle of pavements before resurfacing is needed.
 - Include Alley paving in annual program efforts.
 - Allow for curb replacement in association with paving efforts.
 - Allow for any increase in street and traffic operations or staffing levels.

2019 Public Works Capital Improvement Projects

East William Widening (Construction)

The Point Improvement (Design)

Signals Improvements Phase I (Design)

East Side Traffic Improvements Analysis (Design)

Glenn Road (Sycamore/Berlin) (Design)

East Central Improvements (Grant Preparation)

US23/Glenn Parkway Signal Installation (Construction)

Resurfacing Program:

OPWC (Union & Houk)

CDBG (Birch Bend, English Terrace, Pumphrey Terrace)

Local Streets – TBD

Section Line Road – DCEO

Urban Resurfacing – Central (Troy to Foley)

US 23 Micro-Surfacing Repairs (Construction)

Airport T-Hangars A, B & C Pavement Rehabilitation (Design)

Sidewalk Maintenance (City Responsibility)

Cheshire Road Bikeway – Design/Construction

West Central Bikeway (Lexington to Houk) – Design/Construction

Hills-Miller Road Sidewalk – Design/Construction

Curtis Street/Firestone Turn Lane (Design) /**(Construction)**

S. Sandusky/OWU Jaywalk Signal Improvement

DiGenova Way Extension – Design/Construction

Sawmill Parkway Extension – Development Initiative

Annual Bridge Inspections (ODOT)

US23 Off-ramp Bin Wall & Parapet Repairs (ODOT)

US42 (Lake Street) Culvert Repairs (ODOT)

GENERAL RULES AND REGULATIONS

1. General Provisions:

909.01 Authority: Chapter 903 of the Delaware City Code authorizes the City Manager to adopt and update standard construction specifications as required. Chapter 909 of the Delaware City Code and the provisions of section 729.01 of the Ohio Revised Code, require property owners to be responsible for the maintenance, repair, and if necessary, replacement of that portion of sidewalk and curb/gutter abutting their property line against any public street or alley in order that publicly accessible sidewalks be maintained in a safe condition.

909.02 Responsibility: The construction, maintenance and repair of sidewalks, handicap ramps, and curb/gutter is divided into specific responsibility:

(a) Existing Sidewalk & Curb: Existing sidewalks and curbing within publicly dedicated right of way for public streets and alleys are the responsibility of the abutting property owner for all required maintenance, repair and replacement activities, and all associated costs thereof. Maintenance activities shall include, but not be limited to sweeping and the removal of leaves, snow, and ice as may be required to maintain a safe access for pedestrian movement.

(b) Existing Handicap Ramps: Existing handicap ramps constructed within publicly dedicated right of way are the responsibility of the City to repair and replace as required, including the inclined ramp, landing area, and transition section of sidewalk. Such repairs shall be performed by the City. The daily maintenance of the handicap ramps remains the responsibility of the abutting property owner as described in section (a).

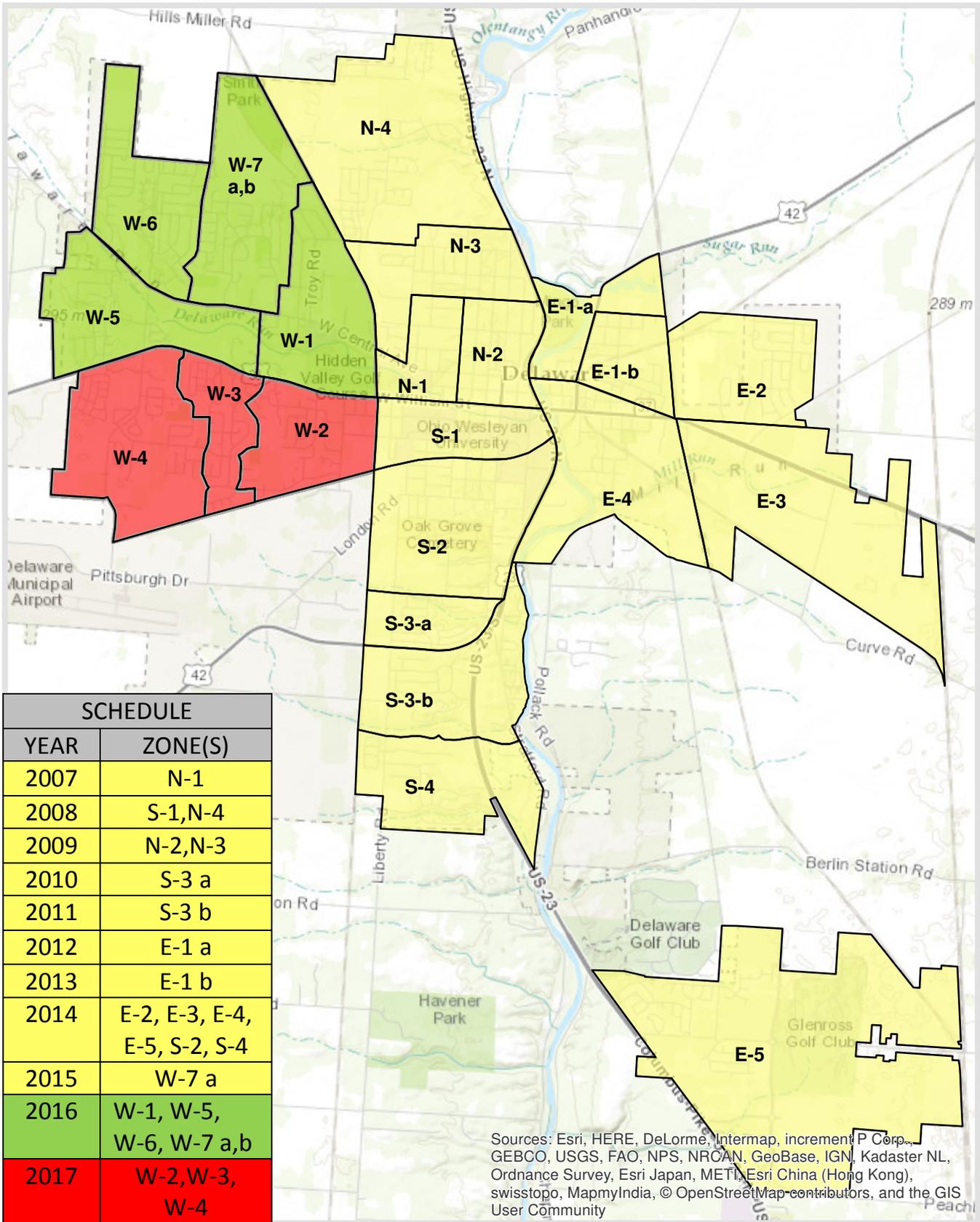
(c) New Development: All new developments within the City are required to include the construction of sidewalks and handicap ramps within the public right of way along all public streets, and along private streets and parking areas per City specifications and as further required and defined within section 1111.10 of the City Code.

(1) Single-Family Residential Development: Residential subdivisions must include the construction of all required handicap ramps per plan as part of the initial infrastructure construction, prior to the acceptance of the public improvements by the City. The City will only inspect and approve completed handicap ramps, and will not inspect forms for handicap ramps prior to the placement of concrete. The construction of sidewalk fronting residential lots may be deferred until the construction of the associated residence on any particular lot; however, in no circumstance shall the construction of the walk be deferred for a period exceeding thirty months from the date of acceptance of public improvements for that development section.

(2) Multi-Family Residential Development: Multi-family developments shall include the design and construction of sidewalks that meet the current Americans with Disabilities Act Accessibility Guidelines (ADAAG) and conform to City requirements. Sidewalks shown on approved plans may be constructed in phases in association with the construction of specific buildings, and are to be completed, inspected, and approved by the City prior to the occupancy of any adjacent building.

(3) Commercial Developments: Commercial developments shall include the design and construction of sidewalks that meet the current Americans with Disabilities Act Accessibility Guidelines (ADAAG) and conform to City requirements. Sidewalks shown on approved plans are to be constructed, inspected, and approved by the City prior to the occupancy of any new facility associated with the development.

Safe Walks Program



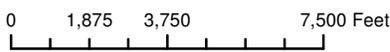
SCHEDULE	
YEAR	ZONE(S)
2007	N-1
2008	S-1, N-4
2009	N-2, N-3
2010	S-3 a
2011	S-3 b
2012	E-1 a
2013	E-1 b
2014	E-2, E-3, E-4, E-5, S-2, S-4
2015	W-7 a
2016	W-1, W-5, W-6, W-7 a,b
2017	W-2, W-3, W-4

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Legend

 Railroad
 Street
 Municipal Boundary



 0 1,875 3,750 7,500 Feet

