

**SAFE WALKS 2016
DELAWARE, OHIO
BID NUMBER 02-16**

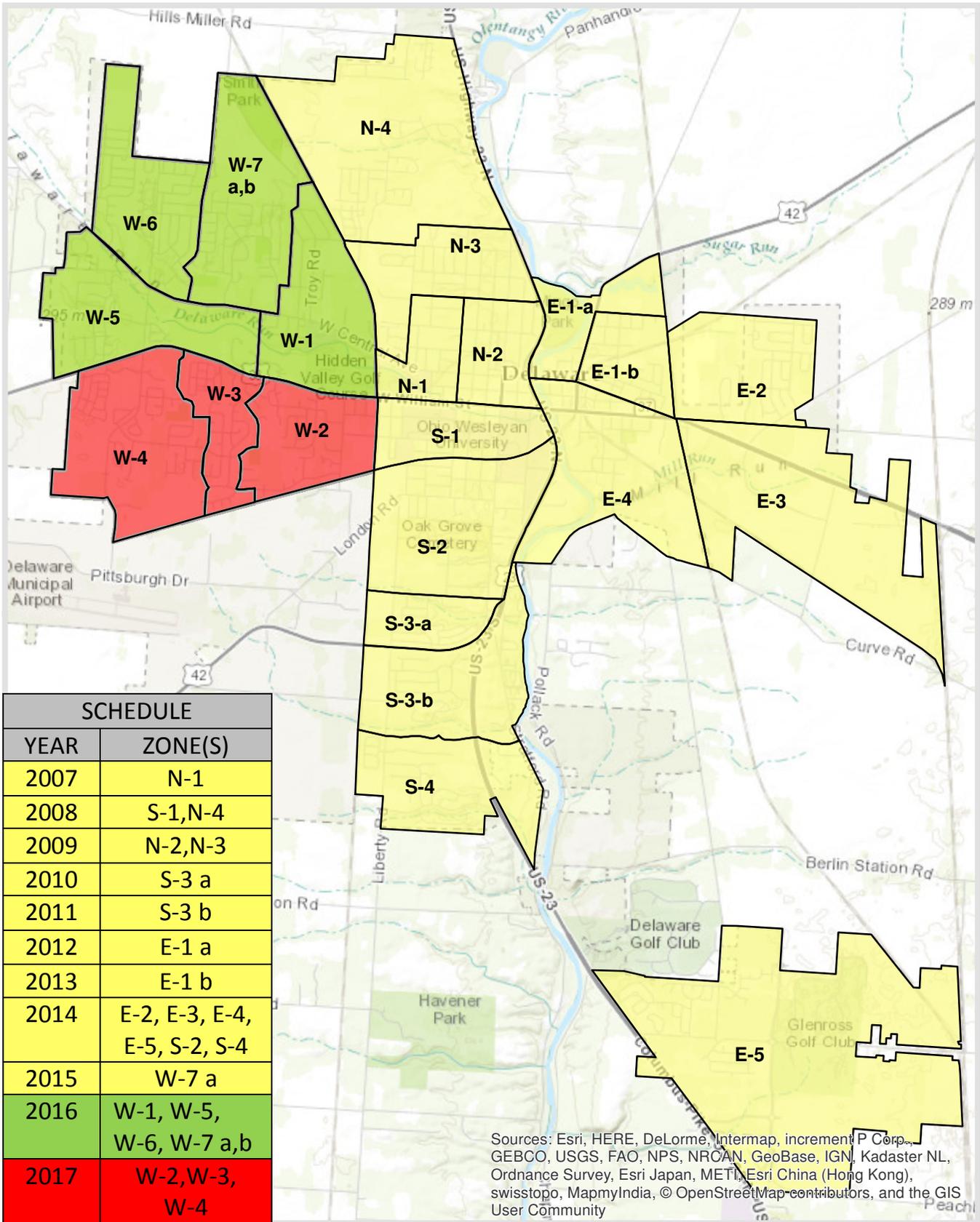
Specifications

The price BID shall include the following:

1. All labor, materials, tools, equipment, and transportation necessary for the proper execution of the WORK in accordance with the CONTRACT DOCUMENTS.
2. All items shall be performed as described in these SPECIFICATIONS in entirety except as herein modified. Work locations are as indicated in the WORK SCHEDULE.
3. The City of Columbus (COC) Construction and Material Specifications (CMS), including all supplements thereto, most recent edition, along with these specifications and the City of Delaware Standard Drawings RDWD-19.1, 19.2, 19.3, 19.4, and 19.5 shall govern all material and workmanship involved in the improvements shown unless otherwise noted.
4. The CONTRACTOR shall have 14-days from removal of any section of walk to have it replaced and open to pedestrian traffic. Residential and commercial driveway areas shall be restored and open to vehicle traffic in no more than 48 hours from start of construction.
5. The CONTRACTOR is responsible to ensure that all new sidewalk sections and the adjacent surrounding areas are left clear and free of all construction debris including excess concrete, form boards, excavation spoils, and any tree roots that have been removed.
6. CONTRACTOR is responsible for protecting all open excavations from pedestrians by use of proper barricades and caution tape around any work area.
7. CONTRACTOR is responsible to remove all tree roots that exist within eight inches (8") below the final proposed top of walk, including those roots within the gravel sub base. All roots to be trimmed shall be cut with a saw or other appropriate means to establish clean vertical cuts, and be trimmed back no less than six inches (6") from the edge of any sidewalk section. This work shall be considered incidental to Item 608. In the event it is determined by the CITY that the amount of required tree root trimming will be detrimental to the health of the tree, the CITY will incur the added responsibility for the tree removal, replacement, and associated stump grinding, aside and separate from the contractor's root trimming responsibility.
8. CONTRACTOR is responsible for protecting all new concrete from vandalism, footprints and the weather to assure an acceptable finish is maintained. If the finish is not to the satisfaction of the CITY, the walk shall be replaced at the CONTRACTOR'S expense.
9. It is contractor's responsibility to provide a place for the washout of concrete trucks. Washout may not occur into public storm drains, pavement or tree lawns areas.
10. CONTRACTOR shall restore all disturbed areas to original condition within 7 days from pouring the adjacent sidewalk section(s), unless otherwise noted on the plans. Placement of topsoil, seeding and mulching shall be in accordance with Item 659. The cost for this item shall be incidental to Item 608.
11. The CONTRACTOR is responsible to notify all property owners in writing a minimum of seven (7) days prior to the start of work on sidewalk immediately adjacent to their property. The CITY shall be provided a copy of all written correspondence to the property owners in advance of distribution for review and approval.

12. Upon notification from the CONTRACTOR, property owners shall have two working days to remove any personal property that is in the way of the section of walk to be repaired. The CONTRACTOR shall include this information in the notification to the property owners.
13. CONTRACTOR shall be responsible for posting "No Parking" signs on all streets 72 business hours prior to any operation requiring a ban on parking. Signs shall identify no more than three consecutive days of work and be provided by CONTRACTOR to the satisfaction of the CITY. Signs must be weather resistant meeting City standard, and shall be posted every fifty feet (50') on alternating sides of the street. Signs shall be affixed by heavy-duty staples to 2" wood lathe, four foot (4') long, and not to utility poles, parking meter posts, trees, existing signposts, etc. The cost for this item shall be incidental to Item 608.
14. Contractor shall maintain two-way traffic with appropriate maintenance of traffic operations in accordance with Exhibit TA-10 "Lane Closure on a Two-Lane Road Using Flaggers" at all times. Streets shall remain fully accessible to emergency vehicles, and streets shall be open to vehicular traffic between the hours of 5:00 p.m. and 8:00 a.m., Monday through Saturday and all day Sunday. The Contractor is responsible to keep all commercial driveways open at all times unless otherwise specified on the plans. All such work shall be coordinated with the business owner to minimize disruption (i.e. evening or weekend work may be required).
15. 608, 4", 6" or 8" Concrete Walk, as per plan: All concrete shall have a minimum 28-day compressive strength of 4000 psi. All sidewalks shall have a broom finish perpendicular to the direction travel. Any slabs being replaced adjacent to existing expansion joints shall include the replacement of the expansion joint material per City Standard Drawing RDWD 19.1. All expansion material shall be 1/2" REFLEX rubber expansion joint material or equivalent, conforming to the attached specifications. FOAMTECH concrete expansion joint filler or equivalent shall be used around radii. The installation of all expansion joint material shall be considered incidental to this item. Where new concrete walk ties to existing concrete walk or concrete driveway, the existing concrete shall be removed to the nearest joint and replaced with new concrete as directed by the Engineer. Excavation and material to provide a minimum of 4" of #57 limestone bedding will be considered incidental to this item. Curing compound shall be per 705.07, Type 2 (white opaque) and considered incidental to this item. Use of fly ash is restricted between April 1 and November 1, in addition to restriction between November 1 and April 1 per COC CMS 499.02.
16. 608, 4", 6" or 8" Reinforced Concrete Walk, as per plan: Where specified in bid documents, new sections of concrete walk shall be constructed with reinforcing dowels placed at each transverse joint, a minimum of 6" into adjacent sections, using four (4), 1'-0 long #4 rebar dowels, including into existing sections of walk where dowels shall be drilled into existing concrete. The installation of the reinforcing dowels shall be considered incidental to this item.
17. 608, 6" or 8" Concrete Walk (Class MS or FS), As Per Plan: CONTRACTOR shall place 6" of Class MS (moderate set) Portland Cement Concrete across all residential driveways. CONTRACTOR shall establish full-depth saw cuts to all sidewalk edges prior to removal. Where a clean vertical edge was not maintained after concrete removal, the CONTRACTOR shall saw cut the driveway surface 6" further back from the repair area and replace with similar driveway material at the direction of the ENGINEER. Driveways may be closed a maximum of 48-hours for removal and replacement of walk. Contractor shall give 72-hours advanced notice to the residence owner prior to the closure. Repair of driveway area incidental to Item 608.
18. 608, 8" Concrete Walk (Class MS), As Per Plan: provided for all commercial driveways and at all proposed curb ramps as labeled on the plans.
19. 608, Curb Ramps, As Per Plan (with Detectable Warnings): All curb ramps shall be per City of Delaware Standard Drawings RDWD-19.4 and 19.5
20. 608, Curb Ramps, As Per Plan (without Detectable Warnings): All curb ramps shall be per City of Delaware Standard Drawings RDWD-19.4 and 19.5, excluding the installation of detectable warnings.

Safe Walks Program



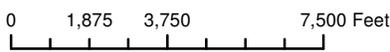
SCHEDULE	
YEAR	ZONE(S)
2007	N-1
2008	S-1, N-4
2009	N-2, N-3
2010	S-3 a
2011	S-3 b
2012	E-1 a
2013	E-1 b
2014	E-2, E-3, E-4, E-5, S-2, S-4
2015	W-7 a
2016	W-1, W-5, W-6, W-7 a,b
2017	W-2, W-3, W-4

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



STREET NAME	Number of Private Squares	Estimated Walk Area (SF)	Estimated Drive Area (SF)	Estimated Com. Drive (SF)	Private Total (SF)	Number of City Tree Squares	Estimated Area (SF)	Number of Utility Squares	Estimated Area (SF)	City Total (SF)	Estimated Total Area (SF)
Ablemarle Circle	14	355	0	0	355	2	50	0	0	0	405
Ablemarle Circle W	1	25	0	0	25	0	0	0	0	0	25
Acton Court	2	50	0	0	50	0	0	0	0	0	50
Blue Spruce Court	10	250	0	0	250	0	0	0	0	0	250
Bridgeport Way	9	225	0	0	225	2	50	0	0	0	275
Buehler Drive	26	705	0	0	705	4	100	0	0	0	805
Cambridge Road	2	50	0	0	50	1	25	0	0	0	75
Durham Lane	13	325	0	0	325	0	0	0	0	0	325
Harwood Court	1	25	0	0	25	0	0	0	0	0	25
Kettering Bend	5	125	0	0	125	0	0	0	0	0	125
Keystoner Way	2	50	0	0	50	0	0	0	0	0	50
Landemere Court	2	50	0	0	50	0	0	0	0	0	50
Lexington Boulevard	14	335	30	0	365	0	0	0	0	0	365
Morgan Drive	1	25	0	0	25	0	0	0	0	0	25
Pinoak Court	11	270	0	0	270	0	0	0	0	0	270
Providence Lane	6	145	0	0	145	0	0	0	0	0	145
Seatrain Drive	13	325	0	0	325	0	0	0	0	0	325
Strathwick Lane	5	125	0	0	125	0	0	0	0	0	125
Thistle Drive	7	170	0	0	170	0	0	0	0	0	170
Aaron Court	3	70	0	0	70	9	235	0	0	0	305
Aaron Drive	2	50	0	0	50	10	250	0	0	0	300
Barberry Spur Avenue	5	50	60	0	110	16	420	1	30	0	560
Barrett Street	0	0	0	0	0	0	0	1	30	0	30
Beckler Lane	5	120	0	0	120	0	0	1	25	0	145
Bendelow Court	4	100	0	0	100	28	695	3	75	0	870
Bendelow Drive	11	280	0	0	280	22	560	0	0	0	840
Bettmann Street	4	100	0	0	100	10	270	0	0	0	370
Blaisdell Drive	2	50	0	0	50	11	275	0	0	0	325
Brandie Drive	3	75	0	0	75	8	185	0	0	0	260
Brenden Loop	7	170	0	0	170	5	140	0	0	0	310
Curly Smart Circle	15	355	40	0	395	10	260	1	30	0	685
Dates Street	2	50	0	0	50	5	120	0	0	0	170
Dixon Street	8	190	0	0	190	9	210	0	0	0	400
E Chatham Lane	8	200	0	0	200	7	185	2	60	0	445
Eastwood Avenue	47	975	265	0	1240	0	0	17	475	0	1715
Farmland Drive	8	225	0	0	225	42	1085	2	55	0	1365
Garden Court	4	120	0	0	120	4	90	0	0	0	210

Georgetowne Drive	17	350	140	0	490	0	0	1	35	0	525
Grand Circuit Boulevard	11	255	20	0	275	15	370	0	0	0	645
Grandview Avenue	29	405	400	0	805	5	135	0	0	0	940
Greenlawn Drive	5	115	0	0	115	8	190	1	25	0	330
Hale Court	3	50	20	0	70	12	325	0	0	0	395
Hanover Court	1	25	0	0	25	1	25	0	0	0	50
Hickory Lane	12	250	50	0	300	0	0	0	0	0	300
Jaguar Spur Avenue	1	25	0	0	25	37	935	0	0	0	960
Knight Dream Street	18	450	0	0	450	53	1345	1	30	0	1825
La Chance Court	10	245	0	0	245	12	315	0	0	0	560
Lantern Chase Court	3	95	0	0	95	2	45	1	25	0	165
Lantern Chase Drive	13	245	60	0	305	14	370	1	25	0	700
Locust Curve Drive	4	100	0	0	100	15	380	0	0	0	480
Madison Court	1	20	0	0	20	0	0	0	0	0	20
Millcroft Place	0	0	0	0	0	2	50	0	0	0	50
N Houk Road	0	0	0	0	0	1	25	0	0	0	25
Niatross Place	4	105	0	0	105	11	280	0	0	0	385
Northwood Drive	12	125	175	0	300	0	0	0	40	0	340
Oslow Court	0	0	0	0	0	10	260	0	0	0	260
Overtrick Drive	12	300	0	0	300	17	430	3	75	0	805
Pennsylvania Avenue	14	255	100	0	355	5	130	0	0	0	485
Red Barn Street	5	125	0	0	125	7	170	0	0	0	295
Silversmith Lane	2	50	0	0	50	1	36	0	0	0	86
Springer Woods Boulevard	1	25	0	0	25	2	50	0	0	0	75
Stonhope Drive	1	30	0	0	30	13	315	0	0	0	345
Sundew Court	6	125	20	0	145	5	120	0	0	0	265
Tar Heel Drive	17	435	0	0	405	53	1370	1	20	0	1795
Timbersmith Drive	5	120	0	0	120	4	100	1	25	0	245
Troy Road	47	915	260	0	1175	20	500	8	210	0	1885
W Central Avenue	73	1745	0	125	1870	12	380	1	25	0	2275
W Chatham Lane	9	245	0	0	245	17	440	0	0	0	685
Western Dreamer Drive	9	230	0	0	230	13	325	3	70	0	625
Westwood Avenue	26	530	140	0	670	1	25	0	0	0	695
White Elm Drive	4	95	0	0	95	11	245	0	0	0	340
Total	657	14895	1780	125	16770	584	14891	50	1385	16276	33046