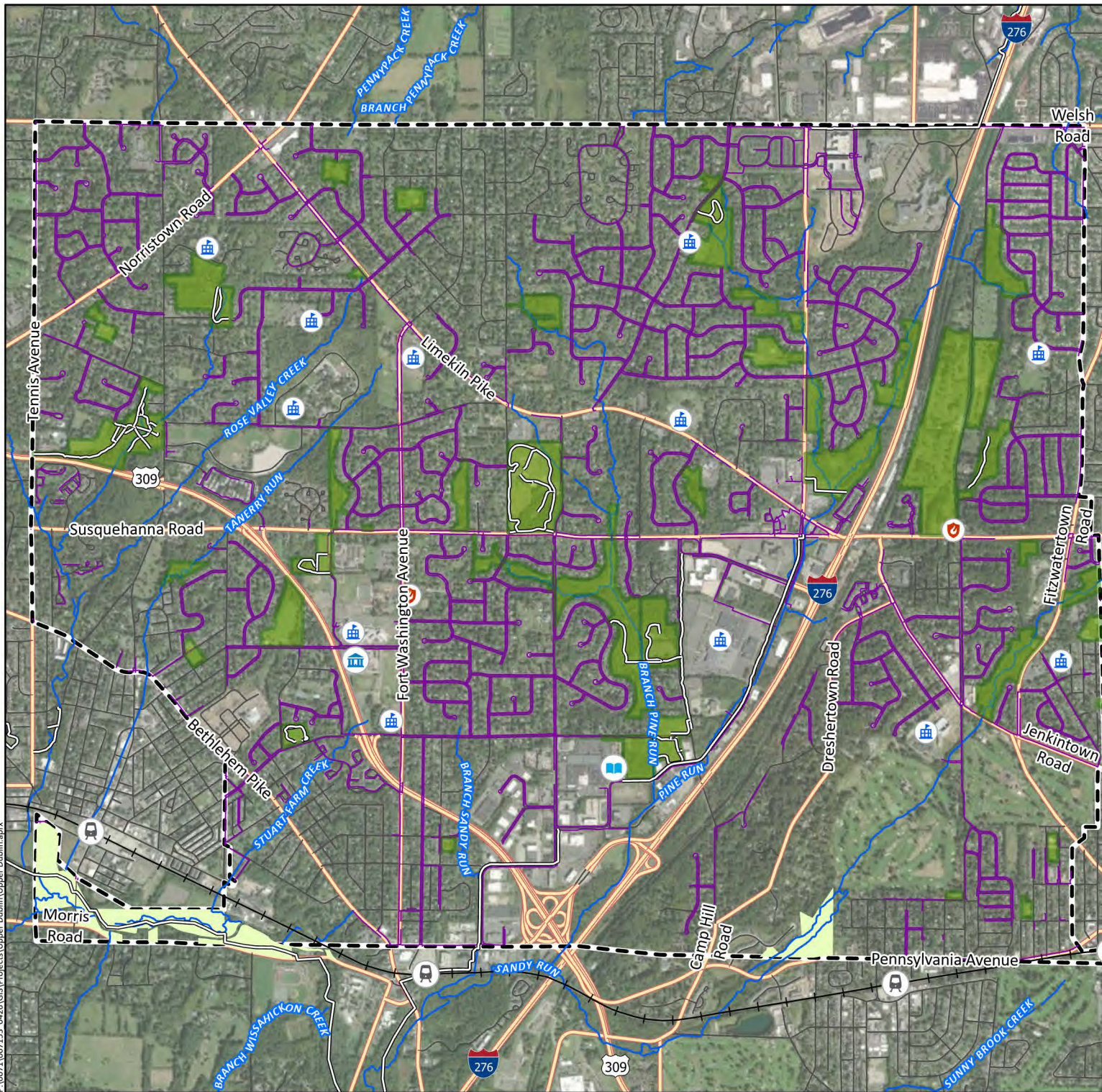


APPENDIX D

COMMUNITY CONNECTIVITY
SUPPLEMENTAL MATERIALS

Existing Pedestrian and Bike Infrastructure

Upper Dublin Township
Montgomery County, PA



- Fire Station
- Passenger Rail Stations
- Upper Dublin Library
- Upper Dublin Township Building
- Schools
- Passenger Rail
- Trails
- Upper Dublin Township Parks & Open Space
- Existing Sidewalk and Pathway
- Montgomery County Streams
- Wissahickon Trail Preserved Land
- Upper Dublin Township Boundary
- State Roads, PA Turnpike & US Routes
- County, Municipal, & Private Roads

0 2,000 4,000 Feet

Mapping derived from data provided by ESRI, PennDOT, and USGS.

9/6/2023 | PM: TJS | GIS: RBG | QA: KCM | R007153.0426



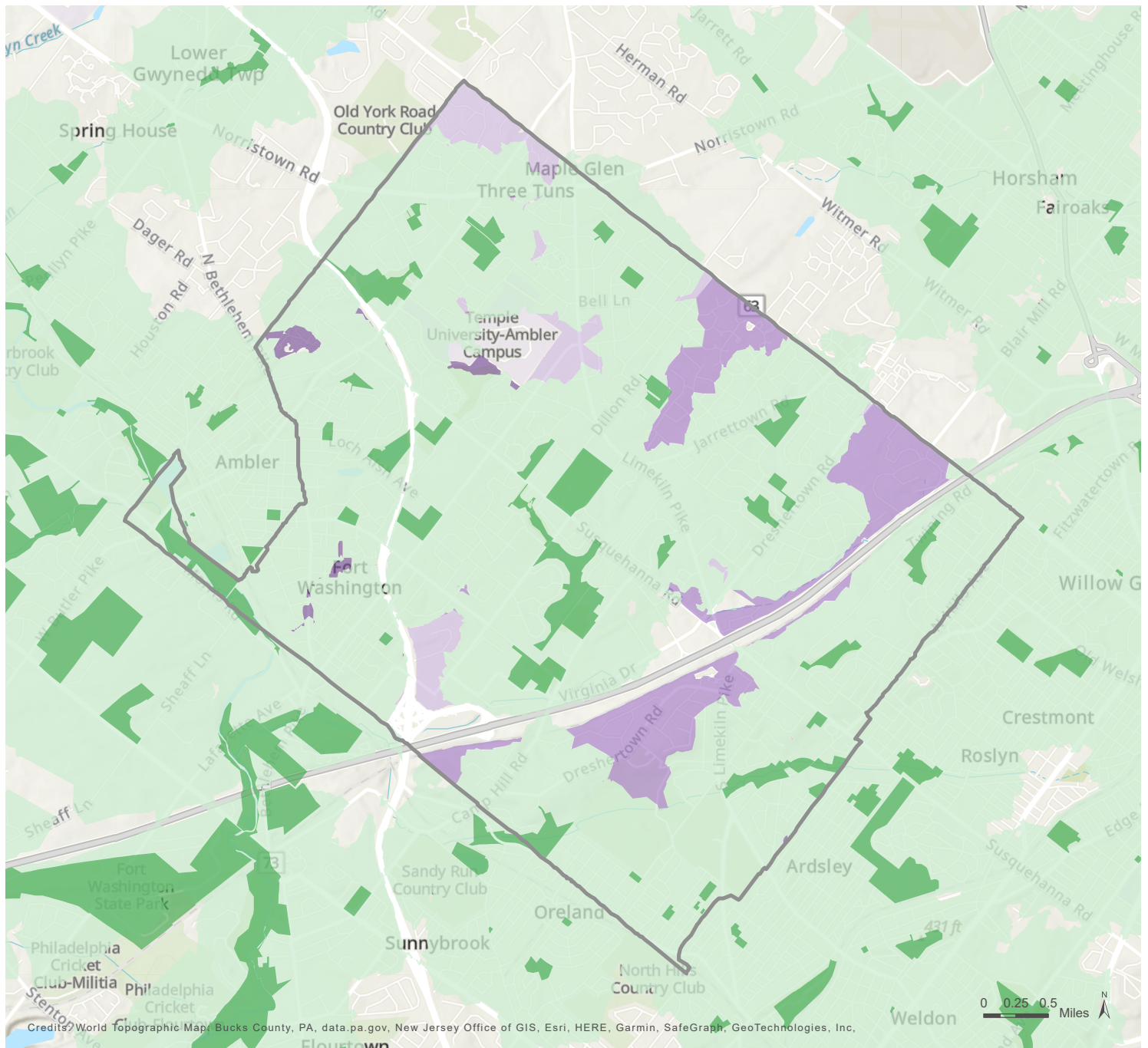
501 Allendale Road
Suite 203
King of Prussia, PA 19406
484.460.7050 [phone]
www.hrg-inc.com

P:\0071007135_0426\GIS\Projects\Upper Dublin\Upper Dublin.aprx

ParkServe Map Export



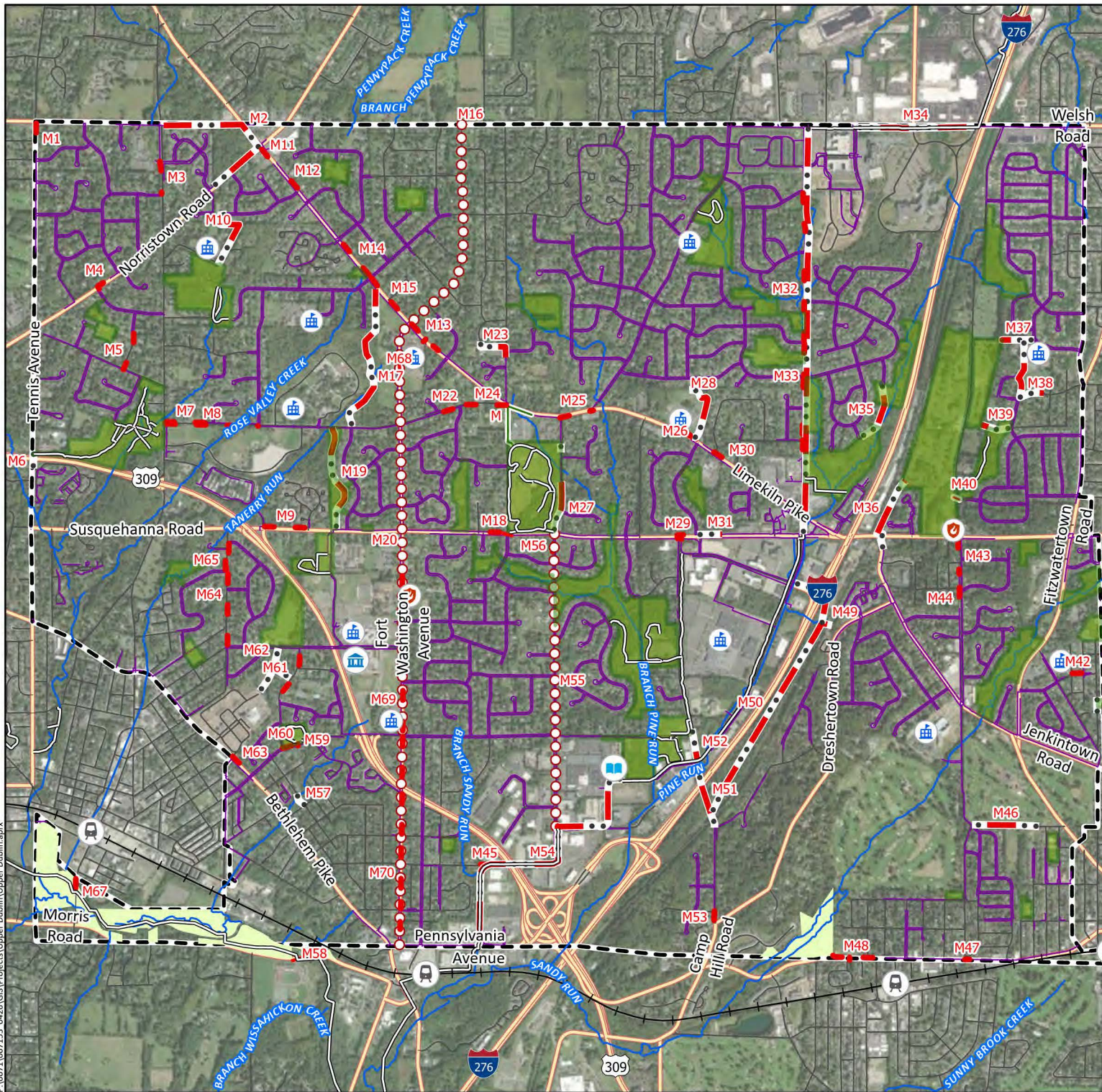
ParkServe®



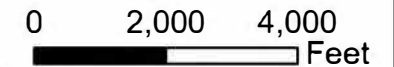
- ParkServe Place
 - Park with public access
 - 10-minute walk service area
 - High priority
 - Moderate priority
 - Very high priority
 - World Hillshade
- Priority areas for new parks (place)

Existing and Proposed Pedestrian and Bike Infrastructure

Upper Dublin Township
Montgomery County, PA



- Fire Station
- Passenger Rail Stations
- Upper Dublin Library
- Upper Dublin Township Building
- Schools
- Passenger Rail
- Trails
- Upper Dublin Township Parks & Open Space
- Proposed Pedestrian Crossing
- Proposed Sidewalk
- Proposed Trail
- Proposed Bike Lane
- Proposed Tunnel
- Completed
- Existing Sidewalk and Pathway
- Montgomery County Streams
- Wissahickon Trail Preserved Land
- Upper Dublin Township Boundary
- State Roads, PA Turnpike & US Routes
- County, Municipal, & Private Roads



Mapping derived from data provided by ESRI, PennDOT, and USGS.

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UDT Open Space Plan Update - Draft Missing Connections

Updated 8.1.2023

#	Type	Est. Length (ft)	Location	Description	Destination/Goal	Status	Notes
1	Sidewalk	647	Tennis Ave from Annasmead Rd to Welsh Rd	Sidewalk on Tennis Ave from Annasmead Rd to Welsh Rd	Improve ped safety	Some exists now	
2	Trail	3,504	Meadowview Estates Entrance Loop	Trail from entrance of Meadowview Estates HOA entrance on Norristown Rd to entrance on Butler Pk along Norristown Rd, Limekiln Pk, Welsh Rd & Butler Pk	Neighborhood connectivity/Maple Glen shopping center	Not started	<i>Goodman tract could be developed and some of this</i>
3	Sidewalk	689	Butler Pk from Harner Rd to Beth Or	Sidewalk on Butler Pk from Harner Rd to Beth Or	Beth Or	In progress - prelim design & estimate	<i>Critical Connection</i>
4	Sidewalk & Ped Crossing	381	Norristown Rd (northside) & Tally-Ho Dr	Add missing sidewalk pieces along Norristown Rd from Clinton Dr to Tally Ho Dr intersection; Ped crossing across Norristown Rd to Tally Ho Dr	Neighborhood connectivity	In progress - prelim design & estimate	<i>Critical Connection; Sidewalk was deferred</i>
5	Sidewalk & Ped Crossing	813	Three Tuns Ln from 1558/1561 to Stout Rd	Sidewalk on Three Tuns Ln from 1558/1561 to Stout Rd; Ped crossing across Stout Rd at Three Tuns Ln	Robbins Park	In progress - discussions	<i>Critical Connection; Experienced some neighbor pushback</i>
6	Trail	330	Tennis Ave from Arrowhead Trail (roadway) to Robbins Park Tennis Ave entrance	Trail on Tennis Ave from Arrowhead Trail (roadway) to Robbins Park Tennis Ave entrance	Robbins Park/Neighborhood connectivity	Not started	
7	Sidewalk	828	Sidewalk connection on Meetinghouse Rd	Sidewalk from Friends Ln to Butler Pk on Meetinghouse Rd	Neighborhood Connectivity		
8	Sidewalk	1,955	Meetinghouse Rd from Butler Pike to Temple Dr	Sidewalk on Meetinghouse Rd from Butler Pk to existing sidewalk across the street from Temple Dr	Robbins Park/TUA/ Neighborhood connectivity	Not started	
9	Sidewalk	882	Lincoln Dr to Honey Run Rd	Sidewalk from Lincoln Dr (The Woods Apartments) to Honey Run Rd (Tannerie Woods HOA) to existing sidewalk on Susquehanna Rd	SPARK/UDHS/UDTB	Not started	
10	Trail	1,687	Thornbury Dr to Rose Valley Preserve	Create a new pedestrian connection for greater access to Rose Valley Preserve	Neighborhood Connectivity		
11	Sidewalk	401	Limekiln Pk to Norristown Rd	Add missing sidewalk to create connection to the intersection	Improve Ped Safety / Neighborhood Connectivity		
12	Sidewalk	216	600 Limekiln Pk	Add missing sidewalk to create connection along Limekiln Pk	Improve Ped Safety / Neighborhood Connectivity		
13	Sidewalk & Ped Crossing	863	Limekiln Pk (northside) from Fulton Dr to Fort Washington Ave	Sidewalk along Limekiln Pk from Fulton Dr to Fort Washington Ave; Ped Crossing across Limekiln Pk	MGES/McInaw & Edwards Fields	In progress - prelim design & estimate	<i>Critical Connection</i>
14	Sidewalk	896	Sidewalk connection on Limekiln Pk	Sidewalk connection on Limekiln Pk from Howe Ln to Bell Ln	Neighborhood Connectivity		
15	Sidewalk	1,218	Limekiln Pk (northside) from Bell Ln to Fort Washington Ave	Sidewalk on Limekiln Pk from Bell Ln to Fort Washington Ave	MGES/McInaw & Edwards Fields	Not started	
16	Sidewalk & Ped Crossing	445	Welsh Rd from Fort Washington Ave to Mann Rd (Horsham)	Ped crossing across Welsh Rd at Fort Washington Rd to get to Mann Rd	Powerline Trail (Horsham)	Not started	
17	Trail	3,281	Temple Ambler/UDSD Admin/McInaw Field from Joel Dri/Meetinghouse Rd to Limekiln Pk	Trail through Temple Ambler property to UDSD Admin Bldg /McInaw Field to connect to trail at Limekiln Pk & Fort Washington Ave	Neighborhood connectivity	In progress - prelim design & estimate	
18	Sidewalk	404	Susquehanna Rd (northside) from Crystal Valley Dr to Dillon Rd	Sidewalk along Susquehanna Rd from Crystal Valley Dr to Dillon Rd; Ped crossing across Dillon Rd to Mondauk Common	Mondauk Common	Not started	
19	Trail	2,304	Joel Dr from Susquehanna Rd to Meetinghouse Rd	Trail between Joel Dr and Tannerie Woods/Temple Ambler	Neighborhood connectivity/SPARK/TUA	In progress - prelim design & estimate	<i>Currently a chipped maintenance trail</i>
20	Bike Lane	17,836	Fort Washington Ave from Pennsylvania Ave to Welsh Rd	Signed and marked bike lane on Fort Washington Ave from Pennsylvania Ave to Welsh Rd	Bike travel	Not started	
21	Ped Crossing		Susquehanna Rd & Dillon Rd	Ped crossing across Susquehanna Rd from Mondauk Common to Dillon Rd	Mondauk Common	Not started	
22	Sidewalk	266	Sidewalk gap on Meetinghouse Rd	Sidewalk connection on Meetinghouse Rd by Schirra Dr	Neighborhood Connectivity		
23	Trail	639	Trail Connection from Blair Ln to Dillon Rd	Formalize connection from Blair Ln to Dillon Rd	Neighborhood Connectivity		
24	Sidewalk & Ped Crossing	885	Sidewalk and Ped Crossing on Meetinghouse Rd	Sidewalk connection on Meetinghouse Rd from Schirra Dr to Dillon Rd with Pedestrian Crossing on Dillon Rd	Neighborhood Connectivity		
25	Sidewalk	721	Limekiln Pk from Jarrettown Inn to Broad St	Sidewalk on Limekiln Pk from Jarrettown Inn to Broad St	Mondauk Common/Neighborhood connectivity	In progress - prelim design & estimate	<i>Was determined to be cost prohibitive and difficult to build</i>
26	Ped Crossing		Limekiln Pk & Candlebrook Dr	Ped crossing from JES to Candlebrook Dr across Limekiln Pk	JES	Not started	
27	Trail	1,287	Mondauk Common & Dresher Estates on Broad St from Limekiln Pk to Susquehanna Rd	Trail on Broad St from Limekiln Pike to Susquehanna Rd	Bike travel	Not started	
28	Trail	1,420	JES from Kenmare Dr to Limekiln Pk	Trail on JES property from Kenmare Dr to Limekiln Pk	Neighborhood connectivity	Not started	
29	Sidewalk & Ped Crossing	454	Susquehanna Rd (northside) from Candlebrook Dr to Camphill Rd	Sidewalk along Susquehanna Rd; Ped crossing across Susquehanna Rd to Camphill Rd	Camphill Rd Trail/CCT	Not started	
30	Sidewalk	1,382	Limekiln Pk from JES to Dreshertown Plaza	Sidewalk along Limekiln Pk from JES to Dreshertown Plaza; Stormwater also required	JES/Dreshertown Plaza	In progress - PENNDOT permitting	<i>Critical Connection</i>
31	Trail	524	Connection on Susquehanna Rd	Widen the bike lane	Improve Ped Safety		
32	Sidewalk	4,005	Dreshertown Rd, Limekiln Pk to Welsh Rd	Addition of sidewalk where there are gaps, on the west side of Dreshertown Rd from Limekiln Pk to Welsh Rd.	Missing sidewalk link	In progress - prelim design as part of CCT	
33	Sidewalk/Trail	8,172	Dreshertown Rd from Susquehanna Rd to Welsh Rd	Cross County Trail for full length of Dreshertown Road from Susquehanna Rd to Welsh Rd	Multi-modal recreation trail	In progress - design	<i>Sidewalk exists along parts of Dreshertown Rd; Part of Cross County Trail design</i>
34	Trail	2,475	Cross County Trail on Welsh Rd	Cross County Trail	Multi-modal recreation trail		
35	Trail	1,299	Connecting Overlook Cir with Morningside Dr	Trail Connection through wooded area	Neighborhood Connectivity		
36	Sidewalk, Ped Crossing & Trail	1,746	Limekiln Pk & Susquehanna Rd to Twining Valley Park	Sidewalk along Limekiln Pk; Ped Crossing across Susquehanna Rd; Trail between Dresherbrooke HOA and Norfolk Southern rail line from Susquehanna Road to Twining Valley Park	TVP	In progress - sketch	<i>Township does have an access easement to this part of the Dresherbrooke property; Combine with #27?</i>
37	Trail	1,289	SWSC/TFES from School Ln to Twining Valley Park	Trail on SWSC & TFES properties from School Ln to TVP	TVP/Neighborhood connectivity	In progress	
38	Trail	1,265	TFES from Woodland Rd to School Ln	Trail along Woodland Rd and across TFES to School Ln	TFES/SWSC/TVP/School Ln	Not started	
39	Trail	625	Connection from Dundee Rd to Twining Valley Park	Trail Connection	Neighborhood Connectivity		
40	Tunnel	129	Twining Rd & Ayr Ln	Tunnel under Twining Rd connecting Ayr Lane to Twining Valley Park	TVP	In progress - prelim design & estimate	
41	Trail & Bridge	344	Connect two stubs of Ave G	Trail & bridge between two stubs of Ave G	Neighborhood connectivity	Not started	<i>Would require a bridge over the Ardsley Drainage Area</i>
42	Trail	250	Connect two stubs of Spear Ave	Trail between two stubs of Spear Ave	Neighborhood connectivity	Not started	
43	Sidewalk	755	Sidewalk connection on Twining Rd	Sidewalk connection on Twining Rd between Susquehanna Rd and Highpoint Ave	Neighborhood Connectivity		
44	Sidewalk	455	Sidewalk connection on Twining Rd	Sidewalk connection on Twining Rd between Craig Y Nos Ave and Jeffery Dr	Neighborhood Connectivity		
45	Trail	236	Spring Ave & Commerce Dr	Sidewalk from Spring Ave to Commerce Dr/Cross County Trail	Neighborhood connectivity/Bike travel	In progress - constructed as part of CCT	
46	Trail	1,414	Beechwood Ave to Valley Rd	Trail between Beechwood Ave and Valley Rd	Neighborhood connectivity	Not started	<i>Lulu Country Club property would most likely need to be used</i>
47	Sidewalk	107	Pennsylvania Ave (northside) from Garden Rd to Twining Rd	Sidewalk along Pennsylvania Ave from Garden Rd to Twining Rd	Neighborhood connectivity	In progress - prelim design & estimate	

48	Trail	1,131	Pennsylvania Ave from Piszek Preserve to Bridge St (Springfield)	Sidewalk along Pennsylvania Ave from Piszek Preserve to Bridge St	Oreland SEPTA Station/Piszek Preserve Trail	Not started	
49	Pedestrian Bridge & Trail	1,290	Pedestrian Bridge over the Turnpike	Pedestrian Bridge over the Turnpike from Virginia Dr & Office Center Dr, to tie into proposed trail (Community Connection 56)	Neighborhood Connectivity		
50	Trail	4,843	Trail through property along the Turnpike	Trail Connection through wooded area	Multi-modal recreation trail		
51	Trail & Ped Crossing	1,414	Camphill Rd from Heller Way to Virginia Dr	Railroad underpass ped crossing and trail along Camphill Rd from Heller Way to Virginia Dr	CCT	In progress - designed & estimated	
52	Trail	676	Continuing the Camphill Rd Trail to Virginia Dr	Camp Hill Trail	Multi-modal recreation trail		
53	Sidewalk	283	Dreshertown Rd & Camphill Rd (westside) to Shelley Ln	Sidewalk along Camphill Rd from Dreshertown Rd to Shelley Ln	Neighborhood connectivity	In progress - discussions	
54	Trail	6,301	Cross County Trail from Library to Pennsylvania Ave	Cross County Trail Library to Pennsylvania Ave	Multi-modal recreation trail		
55	Bike Lane	6,168	Pinetown Rd/Commerce Dr from Susquehanna Rd to Virginia Dr	Signed & marked bike lane on Pinetown Rd/Commerce Dr from Susquehanna Rd to Virginia Dr/Cross County Trail	Bike travel	Not started	
56	Sidewalk	164	Pinetown Rd (westside) from Crosby Dr to Susquehanna Rd	Sidewalk along Pinetown Rd from Crosby Dr to Susquehanna Rd	Mondauk Common	Not started	
57	Trail & Bridge	332	500-Block & 600-Block of Bellaire Ave, Randolph Ave & Meadowbrook HOA Open Space	Trail with stream crossing connecting 500 & 600-blocks of Bellaire Ave through Meadowbrook HOA open space	Ambler/Neighborhood connectivity	In progress - discussions	
58	Ped Crossing		Morris Rd at the Green Ribbon Trail	Improve existing pedestrian crossing signage, painting, consider a RRFB	Improve ped safety/Green Ribbon Trail	Not started	
59	Ped Crossing		Highland Ave at Veterans Park	Improve existing pedestrian crossing signage, painting, consider a RRFB	Improve ped safety	Not started	
60	Sidewalk	336	Highland Ave from Farm Ln to entrance to Veterans Memorial Park	Sidewalk on Highland Ave to entrance to Veterans Memorial Park	Veterans Memorial Park/Neighborhood connectivity	Not started	
61	Sidewalk	1,052	Farm Ln from Melissa Dr to Loch Alsh Ave	Add missing sidewalk pieces along Farm Ln from Melissa Drive to Loch Alsh Ave	Neighborhood connectivity/UDHS/UDTB/VMP	In progress - designed & estimated	<i>Critical Connection</i>
62	Trail	1,413	Trail Connection to Farm Ln and Loch Alsh Ave	Trail Connection to Farm Ln and Loch Alsh Ave	Neighborhood Connectivity		
63	Sidewalk	548	Bethlehem Pk from Mattison Estates to Highland Ave	Sidewalk from Bethlehem Pk to Highland Ave	Neighborhood connectivity	Not started	
64	Sidewalk	2,161	Sidewalk connection on Cedar Rd	Sidewalk connection on Cedar Rd from Hoffman Rd to Loch Alsh Ave	Neighborhood Connectivity		
65	Sidewalk	445	Sidewalk from Forest Creek Dr to Meadowbrook Ave	Sidewalk connection on Cedar Rd from Forest Creek Dr to Meadowbrook Ave	Neighborhood Connectivity		
66	Ped Crossing		Pedestrian Crossing on Cedar Rd	Pedestrian Crossing on Cedar Rd at Meadowbrook Ave	Improve Ped Safety		
67	Sidewalk & Ped Crossing	571	Butler Pk at the Green Ribbon Trail	Improve existing pedestrian crossing signage, painting, consider a RRFB/Connect to existing sidewalk on Butler Pk	Improve ped safety/Green Ribbon Trail	Not started	
68	Ped Crossing		Fort Washington Ave between MGES and the Edwards Fields	Pedestrian crossing across Fort Washington Ave between MGES and the Edwards Fields	Improve ped safety/MGES/Edwards Fields	Not started	
69	Sidewalk	1,733	Fort Washington Ave between Highland Ave and Susquehanna Rd	Addition of sidewalk where there are gaps on the eastern side of Fort Washington Ave	Missing sidewalk link	Not started	
70	Sidewalk	3,135	Fort Washington Ave between Highland Ave and Pennsylvania Ave	Addition of sidewalk where there are gaps on the eastern side of Fort Washington Ave	Missing sidewalk link	Not started	
70		105,718					

Key:
CCT - Cross County Trail
JES - Jarrettown Elementary School
MGES - Maple Glen Elementary School
SPARK - UD Sports Park
SWSC - Sunny Willow Swim Club
TFES - Thomas Fitzwater Elementary School
TUA - Temple University Ambler
TVP - Twining Valley Park
UDHS - Upper Dublin High School
UDTB - Upper Dublin Township Building

**Upper Dublin Township
Missing Connections
Prioritization Worksheet**

Category	Priority	Response	Notes
About the Connection			
Type of Connection	Low	<input type="checkbox"/> Multi-Use <input type="checkbox"/> Pedestrian Only <input type="checkbox"/> Bicycle Only	Type of user served by the connection
Project Length	Low	<input type="checkbox"/> 2,000+ ft <input type="checkbox"/> 1,000 - 1,999 ft <input type="checkbox"/> 500 - 999 ft <input type="checkbox"/> 100 - 499 ft <input type="checkbox"/> Less than 100 ft	Length of the connection
Improving Pedestrian Safety of an Identified Area of Conflict	High	<input type="checkbox"/> Yes <input type="checkbox"/> No	Has this area been noted as area of conflict by the Township, Police Department or Public (Multiple Residents)
Project Implementation			
Existing Right-of-Way	High	<input type="checkbox"/> Yes <input type="checkbox"/> No	Is there an existing right-of-way to help with the development of the connection
Existing Access Easement	High	<input type="checkbox"/> Yes <input type="checkbox"/> No	Is there an existing access easement to help with the development of the connection
Deferment for Sidewalk	Medium	<input type="checkbox"/> Yes <input type="checkbox"/> No	If the connection is sidewalk, is there a deferment on the property(ies)
Number of Property Owners to Negotiate with (Based on # of Residents)	Low - High	<input type="checkbox"/> 0 <input type="checkbox"/> 1 Property Owner <input type="checkbox"/> 2-4 Property Owners <input type="checkbox"/> 5+ Property Owners	How many property owners would the Township need to negotiate to develop the connection
Age of Road Surface		<input type="checkbox"/> Under 2 Years <input type="checkbox"/> 3 to 5 Years <input type="checkbox"/> 6 to 8 Years <input type="checkbox"/> 9 to 12 Years <input type="checkbox"/> 13 to 15 Year <input type="checkbox"/> 15 +	PennDOT states for Local Roads desired seal is every 7+ years, with structural resurfacing every 15-20 years.
Estimated Cost Range	Medium	Cost Estimate from an Engineer or Planning Level Cost Estiamte	What is the Cost Estimate from an engineer, or the estimated planning level cost estimate based on cost per linear foot (below)? Sidewalk (5' wide) = \$72 / LF Paved Trail (10' wide) = \$36 / LF Pavement Widening (for Bike Lanes 6' wide) = \$21 / LF *Notes: - Planning level cost estimates are for construction only. Does not include costs for engineering, permitting, CA/CI, utility adjustments or relocation, etc. - Cost does not include: Clearing & Grubbing, Erosion and Sediment Control, Signing and Pavement Markings, Mobilization and Traffic Control.
Price per Residential Unit Served	Medium	Above cost per residential unit within a 10 minute walk	What is the estimated project price based on cost per Residential Unit Indirectly and Directly served by the connection
Grant Worthy Connection	Medium	<input type="checkbox"/> Yes <input type="checkbox"/> No	Does the connection have the potential to be funded by a grant
Connections Created			
Number of Residential Units with Direct Access to the Connection	Low	<input type="checkbox"/> Yes <input type="checkbox"/> No	Are there residential units that have direct access to the connection along their property frontage

Number of Residential Units Connected within a Half Mile (Indirectly)	Medium	<input type="checkbox"/> 46+ <input type="checkbox"/> 31-45 <input type="checkbox"/> 16-30 <input type="checkbox"/> 0-15	<i>How many residential units are safely connected within a half-mile to the connection created</i>
Connections to a Park / Open Space	High	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>Does the connection allow residents to access a park / open space within a half-mile</i>
Connection to Local Trail (trail that is contained within the Township)	High	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>Does the connection allow residents to access a local trail within a half-mile</i>
Connection to Regional Trail (a public trail system that crosses between multiple municipalities)	High	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>Does the connection allow residents to access a regional trail within a half-mile</i>
Connection to Schools	High	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>Does the connection allow residents to access a school (public & private) within a mile</i>
Connection to Community Amenities (Library, Township Building, Post Office, Etc.)	High	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>Does the connection allow residents to access a community amenity within a half-mile</i>
Connection to Adjacent Neighborhoods	Medium	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>Does the connection allow residents to access an adjacent neighborhood within a half-mile</i>
Connection to Businesses (Groceries, Commercial Centers, Gym etc.)	Medium	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>Does the connection allow residents to access businesses within a half-mile</i>
Connects to Public Transit or Bike Share	Medium	<input type="checkbox"/> Train Station <input type="checkbox"/> Bus Stop <input type="checkbox"/> Bike Share <input type="checkbox"/> No	<i>Does the connection allow residents to access a train station, bus stop, or bike share within a half-mile</i>
Connection to Places of Worship	Low	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>Does the connection allow residents to a place of worship within a half-mile</i>