

Middleton Road and Stow Road Sidewalk Improvements Location Study

Section 1 - Middleton Rd from Valley View Rd to OH-91 (1.3 miles)

	North side of Road		South side of Road	
	Walk with Open Ditch	New curb, tree lawn and walk	Walk with Open Ditch	New curb, tree lawn and walk
Convenient Access to Priority Destinations (schools/parks)	Midblock Crossing to Middleton Park required		Direct Access to Middleton Park	
	Direct alignment for future path to Maple Grove Park		Indirect alignment for future path to Maple Grove Park	
	One crossing to access Hudson Montessori School		Two crossings to access Hudson Montessori School	
Intersecting Neighborhood Streets	3	3	2	2
Residential properties with direct driveway access to new walk	18	18	23	23
Residential properties with indirect access to new walk (within 1000' via connecting neighborhood street)	30	30	28	28
Length of existing walk utilized in route, Ft	0	0	0	0
Length of Proposed Sidewalk, Ft	6,323	6,323	6,287	6,287
Temporary Right of Way required, Acre	0.55	0.55	0.63	0.67
Potential Utility Pole Impacts	11	13	37	39
Potential Trees Impacted, 18" and above	45	45	112	112
Potential Trees Impacted, below 18"	93	93	349	349
Encroaching Fence inside R/W, ft	0	0	270	270
Impacted Fence outside of R/W, ft	55	97	175	175
Impacted Flower Bed	0	0	1	1
Post Construction Stormwater management requirements	minimal	significant	minimal	significant
Potential Residential Wall Length, Avg Height 2.5ft	579 (5 properties)	0	276 (5 properties)	265 (3 properties)
Total Relative Cost, \$**	\$	4.6 x \$	1.4 x \$	5.1 x \$

Recommendation

**Recommended
Option Based on
Overall Impacts
and Access**

*****Construction costs were determined on a preliminary basis but are only provided relative to the other options within the same section as costs do not fully account for all final design elements and decisions to be made.***

Legend

	Least Impact or Greatest Value
	Low Impact or Good Value
	Moderate Impact
	High Impact
	Greatest Impact

Middleton Road and Stow Road Sidewalk Improvements Location Study

Section 2 - Middleton Rd from OH-91 to Stow Rd (1.5 miles)

	North side of Road		South side of Road	
	Walk with Open Ditch	New curb, tree lawn and walk	Walk with Open Ditch	New curb, tree lawn and walk
Convenient Access to Priority Destinations (schools/parks)	One crossing to Access Ellsworth Hill Elementary		Direct Access to Ellsworth Hill Elementary	
Intersecting Neighborhood Streets	4	4	5	5
Residential properties with direct driveway access to new walk	32	32	32	32
Residential properties with indirect access to new walk (within 1000' via connecting neighborhood street)	62	62	65	65
Length of existing walk utilized in route, Ft	270	270	1,313	1,313
Length of Proposed Sidewalk, Ft	7,626	7,626	6,445	6,472
Temporary Right of Way required, Acre	0.75	0.65	0.48	0.93
Potential Utility Pole Impacts	12	33	24	40
Potential Trees Impacted, 18" and above	88	88	84	84
Potential Trees Impacted, below 18"	55	55	84	84
Encroaching Fence inside R/W, ft	481	351	60	60
Impacted Fence outside of R/W, ft	265	341	10	10
Impacted Flower Bed	11	11	1	1
Post Construction Stormwater management requirements	minimal	significant	minimal	significant
Potential Residential Wall Length, Avg Height 2.5ft	1174 (8 properties)	202 (2 properties)	50 (1 property)	174 (4 properties)
Total Relative Cost, \$**	1.2 x \$	5.0 x \$	\$	4.4 x \$

Recommendation

**Recommended
Option Based on
Overall Impacts
and Access**

*****Construction costs were determined on a preliminary basis but are only provided relative to the other options within the same section as costs do not fully account for all final design elements and decisions to be made.***

Legend

	Least Impact or Greatest Value
	Low Impact or Good Value
	Moderate Impact
	High Impact
	Greatest Impact

Middleton Road and Stow Road Sidewalk Improvements Location Study

Section 3 - Middleton Rd from Stow Rd to I-480 (0.5 miles)

	North side of Road		South side of Road	
	Walk with Open Ditch	New curb, tree lawn and walk	Walk with Open Ditch	New curb, tree lawn and walk
Convenient Access to Priority Destinations (schools/parks)	Extra Crossing required at Stow Road to access Elementary.		Direct access to Ellsworth Hill Elementary	
	Crossing required at Huntington Road to access High Point Park.		Direct access to High Point Park	
Intersecting Neighborhood Streets	1	1	2	2
Residential properties with direct driveway access to new walk	7	7	7	7
Residential properties with indirect access to new walk (within 1000' via connecting neighborhood street)	25	25	20	20
Length of existing walk utilized in route, Ft	409	409	0	0
Length of Proposed Sidewalk, Ft	2,205	2,205	2,565	2,565
Temporary Right of Way required, Acre	0.18	0.29	0.21	0.16
Potential Utility Pole Impacts	7	16	7	7
Potential Trees Impacted, 18" and above	25	25	92	92
Potential Trees Impacted, below 18"	80	80	117	117
Encroaching Fence inside R/W, ft	10	10	35	35
Impacted Fence outside of R/W, ft	0	0	10	10
Impacted Flower Bed	2	2	0	0
Post Construction Stormwater management requirements	minimal	significant	minimal	significant
Potential Residential Wall Length, Avg Height 2.5ft	0	115 (4 properties)	0	0
Total Relative Cost, \$**	\$	4.7 x \$	1.2 x \$	4.6 x \$

Recommendation

**Recommended
Option for
Consistency and
Access**

****Construction costs were determined on a preliminary basis but are only provided relative to the other options within the same section as costs do not fully account for all final design elements and decisions to be made.**

Legend

	Least Impact or Greatest Value
	Low Impact or Good Value
	Moderate Impact
	High Impact
	Greatest Impact

Middleton Road and Stow Road Sidewalk Improvements Location Study

Section 4 - Stow Rd from Middleton Rd to Pine Trails Cir (0.6 miles)

	West side of Road		East side of Road	
	Walk with Open Ditch	New curb, tree lawn and walk	Walk with Open Ditch	New curb, tree lawn and walk
Convenient Access to Priority Destinations (schools/parks)	One Crossing required to Access Ellsworth Hill Elementary		Two Crossings required to Access Ellsworth Hill Elementary	
	Low visibility (bridge) crossing required to access Pine Trails Circle neighborhood		Direct access to Pine Trails Circle neighborhood	
Intersecting Neighborhood Streets	0	0	2	2
Residential properties with direct driveway access to new walk	12	12	4	4
Residential properties with indirect access to new walk (within 1000' via connecting neighborhood street)	0	0	16	16
Length of existing walk utilized in route, Ft	0	0	697	697
Length of Proposed Sidewalk, Ft	2,975	2,970	2,211	2,202
Temporary Right of Way required, Acre	0.23	0.16	0.09	0.18
Potential Utility Pole Impacts	5	1	3	2
Potential Trees Impacted, 18" and above	28	13	16	16
Potential Trees Impacted, below 18"	33	0	27	27
Encroaching Fence inside R/W, ft	100	100	0	0
Impacted Fence outside of R/W, ft	0	30	0	0
Impacted Flower Bed	2	2	0	0
Post Construction Stormwater management requirements	minimal	significant	minimal	significant
Potential Residential Wall Length, Avg Height 2.5ft	429 (4 properties)	380 (4 properties)	768 (8 properties)	271 (4 properties)
Total Relative Cost, \$**	1.1 x \$	4.4 x \$	\$	3.4 x \$

Recommendation

**Recommended
Option Based on
Overall Impacts
and Access**

****Construction costs were determined on a preliminary basis but are only provided relative to the other options within the same section as costs do not fully account for all final design elements and decisions to be made.**

Legend

	Least Impact or Greatest Value
	Low Impact or Good Value
	Moderate Impact
	High Impact
	Greatest Impact