



Town of Westford

Engineering Department

DRAFT

**KIRSI CIRCLE & DOUGLAS ROAD
 SIDEWALK ESTIMATE - 4,050 LINEAR FEET
 Date: 9/15/21**

Resident Requested Option - Asphalt Berm & 4' Wide Sidewalk

Item #	Item	Quantity	Unit	Unit Price	Total
120	Earthwork/Unclassified Excavation	675	CY	\$ 40	\$27,000
151	Gravel Sub-base	675	CY	\$ 45	\$30,375
170	Fine Grading & Compaction	2,025	SY	\$ 6	\$12,150
220	Drainage Structure Adjusted	5	Each	\$ 450	\$2,250
482.3	Saw Cut Pavement	-	LF	\$ 3	\$0
570	Hot Mix Asphalt Berm	3,750	LF	\$ 12	\$45,000
702	Hot Mix Asphalt Sidewalk	315	Ton	\$ 200	\$63,000
703	Hot Mix Asphalt Driveway Apron	75	Ton	\$ 200	\$15,000
715	Mailbox Removed & Reset	15	Each	\$ 125	\$1,875
748	Mobilization, Misc. Work, Safety & Cleanup	1	LS	\$ 7,500	\$7,500
751	Loam Borrow	150	CY	\$ 60	\$9,000
765	Seed & Establishment of Growth	1,350	SY	\$ 2	\$2,700
	Irrigation System Adjustment	1	Allowance	\$ 1,500	\$1,500
	Miscellaneous Landscaping	1	Allowance	\$ 2,500	\$2,500
	Erosion Controls	1	LS	\$ 2,000	\$2,000
	Police Details	120	Hours	\$ 67	\$8,040
Sub-Total					\$229,890
Contingency				10%	\$22,989
Total					\$252,879

Note: The above estimate is to replace the original sidewalk in-kind with a new 4-foot wide asphalt sidewalk and asphalt berm on the portion of Kirsi Circle to the north of Douglas Road and along the full length of Douglas Road. The sidewalk sections on Kirsi Circle between Main Street and Douglas Road are not part of this estimate. Minor impacts may be necessary at some private properties to achieve minimum code compliance where the original sidewalk was not fully compliant. This option is not consistent with typical town sidewalk standards (i.e. Planning Board, Sidewalk Master Plan, and recent road projects) and is not the preferred replacement option of the Engineering Department. The preferred option would be to construct a 5-foot wide asphalt sidewalk with a vertical granite curb to provide a more significant barrier between the road and sidewalk. The granite curb would also serve as a visual aid to help vehicles to distinguish between the edge of road and sidewalk.