

Engineers Opinion of Probable Construction Cost: Dennis Circle				PROJECT: Healy Corner		
Values from Means Building Construction Cost Data 2017				DATE:	10/17/2019	
				Revised:	11/11/2019	
				GPR Job #	171088	
MassDOT Item #	DESCRIPTION	UNITS	PER	UNIT COST	EXTENDED COST	SUB-TOTAL COST
DRAINAGE						
201.	Catch Basin	8	EA	\$ 3,779.00	\$30,232	
222.	Catch Basin Frame and Grate	9	EA	\$ 852.00	\$7,668	
202.	Drain Manhole	4	EA	\$ 4,289.00	\$17,156	
221.	Drain Manhole Frame and Cover	4	EA	\$ 843.00	\$3,372	
241.12	Drainage lines installed class 3 rcp 12" to 6' deep	610	LF	\$ 86.00	\$52,460	
242.24	Drainage lines installed class 3 rcp 24" to 6' deep	63	LF	\$ 106.00	\$6,678	
242.24	Flared End Section 24"	1	EA	\$ 1,300.00	\$1,300	
227.3/227.31	Clean Drainage System	1	EA	\$ 1,000.00	\$1,000	
Sub-Total Cost					---	\$119,866
WATER						
302.06	6" Water Main	706	LF	\$ 117.00	\$82,602	
350.06	6" Gate Valve	3	EA	\$ 1,976.00	\$5,928	
376.	Hydrants	2	EA	\$ 5,560.00	\$11,120	(Excludes Possible Replacement)
22 11 13.25 (1260)	2" Copper Water Service	30	LF	\$ 46.00	\$1,380	
22 05 23.20 (1900)	2" Bronze Gate Valve	1	EA	\$ 445.00	\$445	
22 11 13.74 (7480)	1" PE Water Service (within Dennis Circle)	600	LF	\$ 2.09	\$1,254	
Sub-Total Cost					---	\$102,729
ELECTRICAL/TELEPHONE LINES						
801.34	Trenching and installation of conduit (4-2"pvc)	700	LF	\$ 16.00	\$11,200	
Setting transformer pads and handholes						
33 71 19.17 (0600)	(2'x2'x3'Deep)	3	EA	\$ 959.00	\$2,877	
Sub-Total Cost					---	\$14,077
ROADWAY (Dennis Circle)						
151.01	8" Gravel Borrow	448	CY	\$ 45.18	\$20,241	
402.	4" Crushed Stone	221	CY	\$ 73.10	\$16,155	
472.	*2.5" Binder Course	270	TON	\$ 191.10	\$51,597	
472.	*1.5" Finish Course	160	TON	\$ 191.10	\$30,576	
504.	Vertical Granite Curbing	830	LF	\$ 42.88	\$35,590	
504.	Sloped Granite Curbing	595	LF	\$ 42.88	\$25,514	
220.	Casting Adjustment for Structures	12	EA	\$ 444.00	\$5,328	
751.	Loam and Seed Right of Way (Dennis Circle)	148	CY	\$ 55.00	\$8,140	
830.1	Signage	10	SF	\$ 25.00	\$250	
874.	Street Signs	2	EA	\$ 100.90	\$202	
Sub-Total Cost					---	\$193,391
SIDEWALKS						
151.01	8" Gravel Borrow	92	CY	\$ 45.18	\$4,157	
701.	Concrete Sidewalks	418	SY	\$ 60.65	\$25,352	
Sub-Total Cost					---	\$29,508
COMPLETION						
	Street trees installed	12	EA	\$ 440.00	\$5,280	
	Bounds (granite or concrete)	21	EA	\$ 265.00	\$5,565	
	Iron Rods	12	EA	\$ 30.00	\$360	
	As-built plans	1	EA	\$ 15,000.00	\$15,000	
	Mailboxes installed (Cluster)	1	EA		\$2,000	
	Cul-de-sac plantings installed	28	EA	\$ 30.00	\$840	
	Snow Removal			\$ 8,000.00	\$8,000	
Sub-Total Cost					---	\$37,045
XXX.XX = Mass DOT Standard Numbers						
XX XX XX.XX(XXXX) = RSMeans Data 2017				Sub-Total Construction Bond \$ 496,616		
** = When calculating wieght, 3,915 lbs/CY was used, provided by National asphalt Pavement Association (NAPA)				Contingency 25% 124,154		
				Total Amount of Security \$ 620,770		