

Table 4-16 Construction Cost Estimate Alternative G-2: Green Acres Expansion				
Item	Quantity	Units	Unit Cost	Cost
Mobilization	5	%	--	\$98,371
Traffic Control	1	LS	\$10,000	\$10,000
Connect to Existing Main	4	LS	\$3,500	\$14,000
New 8" PVC Water Main	9,620	LF	\$100	\$962,000
New 1" Water SVC (Hardware)	92	EA	\$2,000	\$184,000
New 1" Water SVC (Line)	2,300	LF	\$70	\$161,000
New Fire Hydrant Assembly	19	EA	\$8,000	\$152,000
8" Gate Valve (Ductile Iron)	43	EA	\$3,000	\$129,000
8"x8"x6" Tee (Ductile Iron)	19	EA	\$1,200	\$22,800
8"x8"x8" Tee (Ductile Iron)	16	EA	\$1,600	\$25,600
8" 90 Degree Bend (Ductile Iron)	3	EA	\$1,000	\$3,000
8" 45 Degree Bend (Ductile Iron)	2	EA	\$1,000	\$2,000
Temporary Service	1	LS	\$40,000	\$40,000
Road Restoration	10,081	SY	\$25	\$252,028
Exploratory Excavation	10	HR	\$1,000	\$10,000
Clean Up (3% Minimum of Total Bid)	3	%	--	\$61,974
Construction Estimate				\$2,127,773
Inflation (1.5% for 8 quarters)			12%	\$255,333
Contingency			10%	\$238,311
Administrative, Legal, & Engineering			20%	\$524,283
Total (rounded to the nearest thousand)				\$3,146,000

1. Salvage Value PW Factor @ 2.5% for 20 years

Table 4-16 Construction Cost Estimate Alternative M-1: Montague Streets				
Item	Quantity	Units	Unit Cost	Cost
Mobilization	5	%	--	\$54,544
Traffic Control	1	LS	\$30,000	\$30,000
Connect to Existing Main	5	LS	\$3,500	\$17,500
New 8" PVC Water Main	5,750	LF	\$100	\$575,000
New 1" Water SVC (Hardware)	30	EA	\$2,000	\$60,000
New 1" Water SVC (Line)	750	LF	\$70	\$52,500
New Fire Hydrant Assembly	9	EA	\$8,000	\$72,000
8" Gate Valve (Ductile Iron)	21	EA	\$3,000	\$63,000
8"x8"x6" Tee (Ductile Iron)	9	EA	\$1,200	\$10,800
8"x8"x8" Tee (Ductile Iron)	8	EA	\$1,600	\$12,800
8" Cross (Ductile Iron)	2	EA	\$2,000	\$4,000
8" 90 Degree Bend (Ductile Iron)	3	EA	\$1,000	\$3,000
Road Restoration	5,611	SY	\$25	\$140,278
Temporary Service	1	LS	\$40,000	\$40,000
Exploratory Excavation	10	HR	\$1,000	\$10,000
Clean Up (3% Minimum of Total Bid)	3	%	--	\$34,363
Construction Estimate				\$1,179,784
Inflation (1.5% for 8 quarters)			12%	\$141,574
Contingency			10%	\$132,136
Administrative, Legal, & Engineering			20%	\$290,699
Total (rounded to the nearest thousand)				\$1,744,000

1. Salvage Value PW Factor @ 2.5% for 20 years

Table 4-16
Construction Cost Estimate
Alternative S-1: Sleeping Giant Improvements

Item	Quantity	Units	Unit Cost	Cost
Mobilization	5	%	--	\$33,345
Traffic Control	1	LS	\$15,000	\$15,000
Connect to Existing Main	5	LS	\$3,500	\$17,500
New 8" PVC Water Main	2,215	LF	\$110	\$243,650
New 1" Water SVC (Hardware)	30	EA	\$2,000	\$60,000
New 1" Water SVC (Line)	1,045	LF	\$70	\$73,150
New Fire Hydrant Assembly	2	EA	\$8,000	\$16,000
8" Gate Valve (Ductile Iron)	6	EA	\$3,000	\$18,000
8"x8"x6" Tee (Ductile Iron)	2	EA	\$1,200	\$2,400
8"x8"x8" Tee (Ductile Iron)	5	EA	\$1,600	\$8,000
8" 90 Degree Bend (Ductile Iron)	1	EA	\$1,000	\$1,000
Road Patching Restoration	956	SY	\$100	\$95,556
Road Restoration	2,666	SY	\$25	\$66,639
Temporary Service	1	LS	\$40,000	\$40,000
Exploratory Excavation	10	HR	\$1,000	\$10,000
Clean Up (3% Minimum of Total Bid)	3	%	--	\$21,007
Construction Estimate				\$721,246
Inflation (1.5% for 8 quarters)			12%	\$86,550
Contingency			10%	\$80,780
Administrative, Legal, & Engineering			20%	\$177,715
Total (rounded to the nearest thousand)				\$1,066,000

1. Salvage Value PW Factor @ 2.5% for 20 years

Regional Water Improvements
Preliminary Alternatives Cost Estimate Summary

Green Acres	Estimated Cost
G-2	\$ 3,146,000
Montague	
M-1	\$ 1,744,000
Sleeping Giant	
S-1	\$ 1,066,000
Cheapest combination	\$ 5,956,000