

SEISMIC RETROFIT
ANNAPOLIS ROAD BRIDGE (20C-0141)

ITEM NO.	S/F	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY	ENGINEER'S ESTIMATE		1-BUGLER CONSTRUCTION		2-RM HARRIS CONSTRUCTION	
						UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
1		071301A	TEMPORARY FENCE (SECURITY)	LF	300.00	\$15.00	\$4,500.00	\$50.00	\$15,000.00	\$30.00	\$9,000.00
2		071325	TEMPORARY FENCE (ESA)	LF	980.00	\$7.00	\$6,860.00	\$7.00	\$6,860.00	\$10.00	\$9,800.00
3		072006	TEMPORARY SUPPORTS	LS	1.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00
4		074016	CONSTRUCTION SITE MANAGEMENT	LS	1.00	\$15,000.00	\$15,000.00	\$4,000.00	\$4,000.00	\$22,000.00	\$22,000.00
5		074019	PREPARE STORM WATER POLLUTION PLAN	LS	1.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$3,000.00	\$3,000.00
6		074020	WATER POLLUTION CONTROL	LS	1.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
7		074035A	TEMPORARY ACCESS AND WORK PAD	LS	1.00	\$40,000.00	\$40,000.00	\$20,000.00	\$20,000.00	\$25,000.00	\$25,000.00
8	S	120090	CONSTRUCTION AREA SIGNS	EA	6.00	\$400.00	\$2,400.00	\$300.00	\$1,800.00	\$500.00	\$3,000.00
9	S	120095	CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGNS	LS	3.00	\$1,200.00	\$3,600.00	\$500.00	\$1,500.00	\$950.00	\$2,850.00
10		120100	TRAFFIC CONTROL SYSTEM	LS	1.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
11		120101	FLAGGING	FA	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00
12		120103A	TEMPORARY ACCESS ROAD	LS	1.00	\$20,000.00	\$20,000.00	\$5,000.00	\$5,000.00	\$20,000.00	\$20,000.00
13		157560	BRIDGE REMOVAL (PORTION)	LS	1.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
14		170101	DEVELOP WATER SUPPLY	LS	1.00	\$6,000.00	\$6,000.00	\$1,000.00	\$1,000.00	\$6,000.00	\$6,000.00
15	F	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	28.00	\$240.00	\$6,720.00	\$200.00	\$5,600.00	\$800.00	\$22,400.00
16	F	193003	STRUCTURE BACKFILL (BRIDGE)	CY	20.00	\$120.00	\$2,400.00	\$200.00	\$4,000.00	\$950.00	\$19,000.00
17		203015	EROSION CONTROL	SY	200.00	\$4.00	\$800.00	\$20.00	\$4,000.00	\$6.00	\$1,200.00
18		203561	JUTE MESH	SY	200.00	\$7.00	\$1,400.00	\$20.00	\$4,000.00	\$15.00	\$3,000.00
19	F	510053	STRUCTURAL CONCRETE, BRIDGE	CY	26.00	\$4,200.00	\$109,200.00	\$1,200.00	\$31,200.00	\$1,500.00	\$39,000.00
20		511106	DRILL AND BOND DOWEL	LF	379.00	\$50.00	\$18,950.00	\$30.00	\$11,370.00	\$30.00	\$11,370.00
21		511107A	DRILL AND BOND ANCHOR BOLT	LF	28.00	\$100.00	\$2,800.00	\$100.00	\$2,800.00	\$30.00	\$840.00
22	S	518040A	SEISMIC ISOLATOR BEARING	EA	4.00	\$16,500.00	\$66,000.00	\$30,000.00	\$120,000.00	\$15,000.00	\$60,000.00
23	S	519087A	JOINT SEAL (TYPE B-MR1")	LF	31.00	\$54.00	\$1,674.00	\$50.00	\$1,550.00	\$450.00	\$13,950.00
24	S/F	520102	BAR REINFORCING STEEL (BRIDGE)	LB	5,738.00	\$2.40	\$13,771.20	\$4.00	\$22,952.00	\$3.00	\$17,214.00
25	S/F	550203	FURNISH STRUCTURAL STEEL (BRIDGE)	LB	32,491.00	\$7.00	\$227,437.00	\$4.50	\$146,209.50	\$8.00	\$259,928.00
26	S/F	550204	ERECT STRUCTURAL STEEL (BRIDGE)	LB	32,491.00	\$12.00	\$389,892.00	\$9.00	\$292,419.00	\$5.00	\$162,455.00
27	S	590115	CLEAN AND PAINT STRUCTURAL STEEL	LS	1.00	\$10,000.00	\$10,000.00	\$25,000.00	\$25,000.00	\$32,000.00	\$32,000.00
28	S/F	590135	SPOT BLAST CLEAN AND PAINT UNDERCOAT	SF	435.00	\$100.00	\$43,500.00	\$91.00	\$39,585.00	\$95.00	\$41,325.00
29	S	590301	WORK AREA MONITORING	LS	1.00	\$20,000.00	\$20,000.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00
30	F	750501	MISCELLANEOUS METAL (BRIDGE)	LB	1,821.00	\$15.00	\$27,315.00	\$5.00	\$9,105.00	\$8.00	\$14,568.00
31		999980	GUARNATY	LS	1.00	\$100.00	\$100.00	\$5,000.00	\$5,000.00	\$1.00	\$1.00
32		999990	MOBILIZATION	LS	1.00	\$130,813.00	\$130,813.00	\$80,000.00	\$80,000.00	\$91,000.00	\$91,000.00
			TOTAL				\$1,280,132.20		\$971,950.50		\$997,401.00

SEISMIC RETROFIT
ANNAPOLIS ROAD BRIDGE (20C-0141)

ITEM NO.	S/F	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY	3-VALENTINE CORP.		4-GRANITE CONSTRUCTION		5-MCM CONSTRUCTION	
						UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
1		071301A	TEMPORARY FENCE (SECURITY)	LF	300.00	\$4.00	\$1,200.00	\$25.00	\$7,500.00	\$13.00	\$3,900.00
2		071325	TEMPORARY FENCE (ESA)	LF	980.00	\$4.00	\$3,920.00	\$4.50	\$4,410.00	\$5.00	\$4,900.00
3		072006	TEMPORARY SUPPORTS	LS	1.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$120,500.00	\$120,500.00
4		074016	CONSTRUCTION SITE MANAGEMENT	LS	1.00	\$14,967.00	\$14,967.00	\$9,500.00	\$9,500.00	\$10,000.00	\$10,000.00
5		074019	PREPARE STORM WATER POLLUTION PLAN	LS	1.00	\$4,000.00	\$4,000.00	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00
6		074020	WATER POLLUTION CONTROL	LS	1.00	\$10,000.00	\$10,000.00	\$9,500.00	\$9,500.00	\$11,500.00	\$11,500.00
7		074035A	TEMPORARY ACCESS AND WORK PAD	LS	1.00	\$60,000.00	\$60,000.00	\$36,500.00	\$36,500.00	\$20,000.00	\$20,000.00
8	S	120090	CONSTRUCTION AREA SIGNS	EA	6.00	\$300.00	\$1,800.00	\$200.00	\$1,200.00	\$400.00	\$2,400.00
9	S	120095	CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGNS	LS	3.00	\$1,000.00	\$3,000.00	\$800.00	\$2,400.00	\$800.00	\$2,400.00
10		120100	TRAFFIC CONTROL SYSTEM	LS	1.00	\$30,000.00	\$30,000.00	\$57,186.00	\$57,186.00	\$40,000.00	\$40,000.00
11		120101	FLAGGING	FA	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00
12		120103A	TEMPORARY ACCESS ROAD	LS	1.00	\$20,000.00	\$20,000.00	\$22,950.00	\$22,950.00	\$25,000.00	\$25,000.00
13		157560	BRIDGE REMOVAL (PORTION)	LS	1.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$23,500.00	\$23,500.00
14		170101	DEVELOP WATER SUPPLY	LS	1.00	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00	\$8,000.00	\$8,000.00
15	F	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	28.00	\$1,200.00	\$33,600.00	\$2,525.00	\$70,700.00	\$150.00	\$4,200.00
16	F	193003	STRUCTURE BACKFILL (BRIDGE)	CY	20.00	\$150.00	\$3,000.00	\$645.00	\$12,900.00	\$600.00	\$12,000.00
17		203015	EROSION CONTROL	SY	200.00	\$16.00	\$3,200.00	\$2.50	\$500.00	\$13.00	\$2,600.00
18		203561	JUTE MESH	SY	200.00	\$7.00	\$1,400.00	\$10.50	\$2,100.00	\$20.00	\$4,000.00
19	F	510053	STRUCTURAL CONCRETE, BRIDGE	CY	26.00	\$3,000.00	\$78,000.00	\$3,520.00	\$91,520.00	\$4,939.00	\$128,414.00
20		511106	DRILL AND BOND DOWEL	LF	379.00	\$26.00	\$9,854.00	\$28.00	\$10,612.00	\$20.00	\$7,580.00
21		511107A	DRILL AND BOND ANCHOR BOLT	LF	28.00	\$100.00	\$2,800.00	\$85.00	\$2,380.00	\$20.00	\$560.00
22	S	518040A	SEISMIC ISOLATOR BEARING	EA	4.00	\$17,000.00	\$68,000.00	\$23,450.00	\$93,800.00	\$20,400.00	\$81,600.00
23	S	519087A	JOINT SEAL (TYPE B-MR1")	LF	31.00	\$215.00	\$6,665.00	\$138.00	\$4,278.00	\$67.00	\$2,077.00
24	S/F	520102	BAR REINFORCING STEEL (BRIDGE)	LB	5,738.00	\$3.00	\$17,214.00	\$2.50	\$14,345.00	\$1.50	\$8,607.00
25	S/F	550203	FURNISH STRUCTURAL STEEL (BRIDGE)	LB	32,491.00	\$3.00	\$97,473.00	\$5.00	\$162,455.00	\$2.45	\$79,602.95
26	S/F	550204	ERECT STRUCTURAL STEEL (BRIDGE)	LB	32,491.00	\$11.50	\$373,646.50	\$8.00	\$259,928.00	\$10.55	\$342,780.05
27	S	590115	CLEAN AND PAINT STRUCTURAL STEEL	LS	1.00	\$37,000.00	\$37,000.00	\$29,329.00	\$29,329.00	\$29,000.00	\$29,000.00
28	S/F	590135	SPOT BLAST CLEAN AND PAINT UNDERCOAT	SF	435.00	\$115.00	\$50,025.00	\$92.00	\$40,020.00	\$91.00	\$39,585.00
29	S	590301	WORK AREA MONITORING	LS	1.00	\$3,500.00	\$3,500.00	\$1,800.00	\$1,800.00	\$1,800.00	\$1,800.00
30	F	750501	MISCELLANEOUS METAL (BRIDGE)	LB	1,821.00	\$5.00	\$9,105.00	\$10.00	\$18,210.00	\$5.00	\$9,105.00
31		999980	GUARNATY	LS	1.00	\$15,000.00	\$15,000.00	\$1,000.00	\$1,000.00	\$10,000.00	\$10,000.00
32		999990	MOBILIZATION	LS	1.00	\$114,000.00	\$114,000.00	\$108,142.00	\$108,142.00	\$117,079.00	\$117,079.00
			TOTAL				\$1,143,369.50		\$1,147,165.00		\$1,170,690.00

SEISMIC RETROFIT
ANNAPOLIS ROAD BRIDGE (20C-0141)

ITEM NO.	S/F	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY	6-GOLDEN STATE BRIDGE	
						UNIT PRICE	ITEM TOTAL
1		071301A	TEMPORARY FENCE (SECURITY)	LF	300.00	\$20.00	\$6,000.00
2		071325	TEMPORARY FENCE (ESA)	LF	980.00	\$7.25	\$7,105.00
3		072006	TEMPORARY SUPPORTS	LS	1.00	\$40,000.00	\$40,000.00
4		074016	CONSTRUCTION SITE MANAGEMENT	LS	1.00	\$3,000.00	\$3,000.00
5		074019	PREPARE STORM WATER POLLUTION PLAN	LS	1.00	\$4,000.00	\$4,000.00
6		074020	WATER POLLUTION CONTROL	LS	1.00	\$10,000.00	\$10,000.00
7		074035A	TEMPORARY ACCESS AND WORK PAD	LS	1.00	\$180,000.00	\$180,000.00
8	S	120090	CONSTRUCTION AREA SIGNS	EA	6.00	\$300.00	\$1,800.00
9	S	120095	CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGNS	LS	3.00	\$800.00	\$2,400.00
10		120100	TRAFFIC CONTROL SYSTEM	LS	1.00	\$30,000.00	\$30,000.00
11		120101	FLAGGING	FA	15,000.00	\$1.00	\$15,000.00
12		120103A	TEMPORARY ACCESS ROAD	LS	1.00	\$20,000.00	\$20,000.00
13		157560	BRIDGE REMOVAL (PORTION)	LS	1.00	\$10,000.00	\$10,000.00
14		170101	DEVELOP WATER SUPPLY	LS	1.00	\$6,000.00	\$6,000.00
15	F	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	28.00	\$350.00	\$9,800.00
16	F	193003	STRUCTURE BACKFILL (BRIDGE)	CY	20.00	\$120.00	\$2,400.00
17		203015	EROSION CONTROL	SY	200.00	\$2.50	\$500.00
18		203561	JUTE MESH	SY	200.00	\$10.50	\$2,100.00
19	F	510053	STRUCTURAL CONCRETE, BRIDGE	CY	26.00	\$3,000.00	\$78,000.00
20		511106	DRILL AND BOND DOWEL	LF	379.00	\$55.00	\$20,845.00
21		511107A	DRILL AND BOND ANCHOR BOLT	LF	28.00	\$65.00	\$1,820.00
22	S	518040A	SEISMIC ISOLATOR BEARING	EA	4.00	\$18,000.00	\$72,000.00
23	S	519087A	JOINT SEAL (TYPE B-MR1")	LF	31.00	\$75.00	\$2,325.00
24	S/F	520102	BAR REINFORCING STEEL (BRIDGE)	LB	5,738.00	\$2.00	\$11,476.00
25	S/F	550203	FURNISH STRUCTURAL STEEL (BRIDGE)	LB	32,491.00	\$2.75	\$89,350.25
26	S/F	550204	ERECT STRUCTURAL STEEL (BRIDGE)	LB	32,491.00	\$11.49	\$373,321.59
27	S	590115	CLEAN AND PAINT STRUCTURAL STEEL	LS	1.00	\$30,000.00	\$30,000.00
28	S/F	590135	SPOT BLAST CLEAN AND PAINT UNDERCOAT	SF	435.00	\$92.00	\$40,020.00
29	S	590301	WORK AREA MONITORING	LS	1.00	\$1,800.00	\$1,800.00
30	F	750501	MISCELLANEOUS METAL (BRIDGE)	LB	1,821.00	\$13.00	\$23,673.00
31		999980	GUARNATY	LS	1.00	\$1.00	\$1.00
32		999990	MOBILIZATION	LS	1.00	\$80,000.00	\$80,000.00
			TOTAL				\$1,174,736.84