

12TH AND SPEER BIKE RAMP
CE XXX
CONCEPTUAL ENGINEERS' ESTIMATE
8/9/05

CE70008 12th Avenue/Speer Bike Ramp

Structures, Inc.
Granite Re, Inc.

New Design Construction
Travelers Casualty & Surety

Technology Constructors, Inc.
Employers Mutual Casualty

KECI Colorado, Inc.
Contractors Bonding & Insurance

Keene Concrete, Inc.
North American Specialty Insurance

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
201-00000	CLEARING AND GRUBBING	LS	1	\$3,000.00	\$3,000.00	\$ 9,820.00	\$ 9,820.00	\$ 4,400.00	\$ 4,400.00	\$ 8,000.00	\$ 8,000.00	\$ 10,000.00	\$ 10,000.00	\$ 11,500.00	\$ 11,500.00
202-00010	REMOVAL OF TREE	EA	5	\$600.00	\$3,000.00	\$ 402.00	\$ 2,010.00	\$ 820.00	\$ 4,100.00	\$ 620.00	\$ 3,100.00	\$ 475.00	\$ 2,375.00	\$ 500.00	\$ 2,500.00
202-00200	REMOVAL OF SIDEWALK	SY	185	\$20.00	\$3,700.00	\$ 17.00	\$ 3,145.00	\$ 95.00	\$ 17,575.00	\$ 17.00	\$ 3,145.00	\$ 21.00	\$ 3,885.00	\$ 12.00	\$ 2,220.00
202-00203	REMOVAL OF CURB AND GUTTER	LF	42	\$10.00	\$420.00	\$ 11.00	\$ 462.00	\$ 6.00	\$ 252.00	\$ 14.00	\$ 588.00	\$ 7.00	\$ 294.00	\$ 9.00	\$ 378.00
202-00206	REMOVAL OF CONCRETE CURB RAMP	SY	8	\$20.00	\$160.00	\$ 23.00	\$ 184.00	\$ 30.00	\$ 240.00	\$ 33.00	\$ 264.00	\$ 36.00	\$ 288.00	\$ 15.00	\$ 120.00
202-00210	REMOVAL OF CONCRETE PAVEMENT	SY	110	\$20.00	\$2,200.00	\$ 17.00	\$ 1,870.00	\$ 11.00	\$ 1,210.00	\$ 29.00	\$ 3,190.00	\$ 34.00	\$ 3,740.00	\$ 15.00	\$ 1,650.00
202-00502	REMOVAL OF PORTIONS OF PRESENT STRUCTURE	CY	34	\$600.00	\$20,400.00	\$ 341.00	\$ 11,594.00	\$ 500.00	\$ 17,000.00	\$ 460.00	\$ 15,640.00	\$ 280.00	\$ 9,520.00	\$ 120.00	\$ 4,080.00
203-00100	MUCK EXCAVATION	CY	10	\$50.00	\$500.00	\$ 58.00	\$ 580.00	\$ 80.00	\$ 800.00	\$ 34.00	\$ 340.00	\$ 100.00	\$ 1,000.00	\$ 20.00	\$ 200.00
203-01597	POTHOLING	HR	2	\$500.00	\$1,000.00	\$ 413.00	\$ 826.00	\$ 428.00	\$ 856.00	\$ 210.00	\$ 420.00	\$ 350.00	\$ 700.00	\$ 150.00	\$ 300.00
206-00000	STRUCTURE EXCAVATION	CY	940	\$30.00	\$28,200.00	\$ 18.00	\$ 16,920.00	\$ 14.00	\$ 13,160.00	\$ 33.00	\$ 31,020.00	\$ 43.00	\$ 40,420.00	\$ 30.00	\$ 28,200.00
206-00200	STRUCTURE BACKFILL (CLASS 2)	CY	539	\$20.00	\$10,780.00	\$ 14.00	\$ 7,546.00	\$ 26.00	\$ 14,014.00	\$ 33.00	\$ 17,787.00	\$ 94.00	\$ 50,666.00	\$ 35.00	\$ 18,865.00
206-01600	SHORING	LS	1	\$10,000.00	\$10,000.00	\$ 46,351.00	\$ 46,351.00	\$ 17,000.00	\$ 17,000.00	\$ 7,500.00	\$ 7,500.00	\$ 15,000.00	\$ 15,000.00	\$ 8,500.00	\$ 8,500.00
207-00205	TOPSOIL	CY	45	\$20.00	\$900.00	\$ 14.00	\$ 630.00	\$ 50.00	\$ 2,250.00	\$ 34.00	\$ 1,530.00	\$ 58.00	\$ 2,610.00	\$ 45.00	\$ 2,025.00
208-00010	EROSION BALES	EA	70	\$20.00	\$1,400.00	\$ 24.00	\$ 1,680.00	\$ 57.00	\$ 3,990.00	\$ 19.00	\$ 1,330.00	\$ 29.00	\$ 2,030.00	\$ 10.00	\$ 700.00
208-00020	SILT FENCE	LF	250	\$3.00	\$750.00	\$ 3.00	\$ 750.00	\$ 5.00	\$ 1,250.00	\$ 1.80	\$ 450.00	\$ 2.50	\$ 625.00	\$ 1.50	\$ 375.00
208-00045	CONCRETE WASHOUT STRUCTURE	EA	2	\$500.00	\$1,000.00	\$ 1,775.00	\$ 3,550.00	\$ 1,055.00	\$ 2,110.00	\$ 500.00	\$ 1,000.00	\$ 500.00	\$ 1,000.00	\$ 500.00	\$ 1,000.00
208-00050	STORM DRAIN INLET PROTECTION	EA	1	\$300.00	\$300.00	\$ 280.00	\$ 280.00	\$ 200.00	\$ 200.00	\$ 220.00	\$ 220.00	\$ 300.00	\$ 300.00	\$ 250.00	\$ 250.00
208-00070	STABILIZED CONSTRUCTION ENTRANCE	EA	2	\$400.00	\$800.00	\$ 1,782.00	\$ 3,564.00	\$ 675.00	\$ 1,350.00	\$ 1,700.00	\$ 3,400.00	\$ 2,000.00	\$ 4,000.00	\$ 500.00	\$ 1,000.00
208-00205	EROSION CONTROL SUPERVISOR	HR	80	\$50.00	\$4,000.00	\$ 58.00	\$ 4,640.00	\$ 175.00	\$ 14,000.00	\$ 50.00	\$ 4,000.00	\$ 40.00	\$ 3,200.00	\$ 45.00	\$ 3,600.00
210-00810	RESET GROUND SIGN	EA	1	\$200.00	\$200.00	\$ 310.00	\$ 310.00	\$ 190.00	\$ 190.00	\$ 240.00	\$ 240.00	\$ 200.00	\$ 200.00	\$ 175.00	\$ 175.00
210-02900	RELAY RIPRAP	CY	35	\$100.00	\$3,500.00	\$ 89.00	\$ 3,115.00	\$ 67.00	\$ 2,345.00	\$ 280.00	\$ 9,800.00	\$ 220.00	\$ 7,700.00	\$ 350.00	\$ 12,250.00
212-00006	SEEDING (NATIVE)	AC	0.02	\$10,000.00	\$200.00	\$ 11,500.00	\$ 230.00	\$ 46,000.00	\$ 920.00	\$ 30,000.00	\$ 600.00	\$ 18,000.00	\$ 360.00	\$ 7,500.00	\$ 150.00
212-00011	SEEDING (LAWN)	AC	0.05	\$10,000.00	\$500.00	\$ 5,750.00	\$ 287.50	\$ 34,500.00	\$ 1,725.00	\$ 30,000.00	\$ 1,500.00	\$ 20,000.00	\$ 1,000.00	\$ 20,000.00	\$ 1,000.00
213-00002	MULCHING (WEED FREE HAY)	AC	0.07	\$5,000.00	\$350.00	\$ 4,600.00	\$ 322.00	\$ 23,000.00	\$ 1,610.00	\$ 28,000.00	\$ 1,960.00	\$ 12,000.00	\$ 840.00	\$ 20,000.00	\$ 1,400.00
213-00008	MULCHING (WOOD CHIP)	CF	54	\$5.00	\$270.00	\$ 3.00	\$ 162.00	\$ 46.00	\$ 2,484.00	\$ 3.50	\$ 189.00	\$ 9.00	\$ 486.00	\$ 7.50	\$ 405.00
213-00061	MULCH TACKIFIER	LB	14	\$2.00	\$28.00	\$ 6.00	\$ 84.00	\$ 2.30	\$ 32.20	\$ 21.00	\$ 294.00	\$ 35.00	\$ 490.00	\$ 300.00	\$ 4,200.00
214-00215	DECIDUOUS TREE (1.5 INCH CALIPER)	EA	2	\$300.00	\$600.00	\$ 518.00	\$ 1,036.00	\$ 575.00	\$ 1,150.00	\$ 400.00	\$ 800.00	\$ 460.00	\$ 920.00	\$ 500.00	\$ 1,000.00
214-00220	DECIDUOUS TREE (2 INCH CALIPER)	EA	4	\$400.00	\$1,600.00	\$ 632.00	\$ 2,528.00	\$ 517.50	\$ 2,070.00	\$ 426.00	\$ 1,704.00	\$ 550.00	\$ 2,200.00	\$ 600.00	\$ 2,400.00
214-00650	EVERGREEN SHRUB (5 GALLON CONTAINER)	EA	11	\$40.00	\$440.00	\$ 52.00	\$ 572.00	\$ 86.25	\$ 948.75	\$ 41.00	\$ 451.00	\$ 69.00	\$ 759.00	\$ 55.00	\$ 605.00
214-00910	PERENNIALS (1 GALLON CONTAINER)	EA	29	\$20.00	\$580.00	\$ 29.00	\$ 841.00	\$ 23.00	\$ 667.00	\$ 20.00	\$ 580.00	\$ 29.00	\$ 841.00	\$ 35.00	\$ 1,015.00
304-06007	AGGREGATE BASE COURSE (CLASS 6)	CY	10	\$50.00	\$500.00	\$ 86.00	\$ 860.00	\$ 63.00	\$ 630.00	\$ 50.00	\$ 500.00	\$ 115.00	\$ 1,150.00	\$ 30.00	\$ 300.00
420-00200	GEOTEXTILE (WEED BARRIER)	SY	46	\$15.00	\$690.00	\$ 3.00	\$ 138.00	\$ 5.75	\$ 264.50	\$ 4.00	\$ 184.00	\$ 4.00	\$ 184.00	\$ 13.50	\$ 621.00
514-00100	HAND RAIL	LF	157	\$75.00	\$11,775.00	\$ 78.00	\$ 12,246.00	\$ 230.00	\$ 36,110.00	\$ 49.00	\$ 7,693.00	\$ 49.00	\$ 7,693.00	\$ 115.00	\$ 18,055.00
514-01040	BIKEWAY RAILING (STEEL)	LF	310	\$150.00	\$46,500.00	\$ 264.00	\$ 81,840.00	\$ 230.00	\$ 71,300.00	\$ 225.00	\$ 69,750.00	\$ 224.00	\$ 69,440.00	\$ 250.00	\$ 77,500.00
601-03020	CONCRETE CLASS D (MISCELLANEOUS)	CY	33	\$580.00	\$19,140.00	\$ 543.00	\$ 17,919.00	\$ 575.00	\$ 18,975.00	\$ 377.00	\$ 12,441.00	\$ 670.00	\$ 22,110.00	\$ 600.00	\$ 19,800.00
601-03050	CONCRETE CLASS D (WALL)	CY	131	\$600.00	\$78,600.00	\$ 564.00	\$ 73,884.00	\$ 1,059.00	\$ 138,729.00	\$ 690.00	\$ 90,390.00	\$ 500.00	\$ 65,500.00	\$ 655.00	\$ 85,805.00
601-40301	STRUCTURAL CONCRETE COATING	SF	1478	\$5.00	\$7,390.00	\$ 0.70	\$ 1,034.60	\$ 5.50	\$ 8,129.00	\$ 5.20	\$ 7,685.60	\$ 6.50	\$ 9,607.00	\$ 6.00	\$ 8,868.00
601-40302	STRUCTURAL CONCRETE COATING (ANTI-GRAFFITI)	SF	974	\$2.00	\$1,948.00	\$ 1.15	\$ 1,120.10	\$ 2.25	\$ 2,191.50	\$ 7.70	\$ 7,499.80	\$ 3.50	\$ 3,409.00	\$ 5.50	\$ 5,357.00
602-00000	REINFORCING STEEL	LB	24361	\$2.00	\$48,722.00	\$ 1.15	\$ 28,015.15	\$ 1.00	\$ 24,361.00	\$ 1.30	\$ 31,669.30	\$ 1.00	\$ 24,361.00	\$ 2.25	\$ 54,812.25
607-11525	FENCE (PLASTIC)	LF	160	\$4.00	\$640.00	\$ 4.15	\$ 664.00	\$ 2.50	\$ 400.00	\$ 3.60	\$ 576.00	\$ 3.00	\$ 480.00	\$ 3.60	\$ 576.00
608-00006	CONCRETE SIDEWALK (6 INCH)	SY	223	\$75.00	\$16,725.00	\$ 41.00	\$ 9,143.00	\$ 49.00	\$ 10,927.00	\$ 50.00	\$ 11,150.00	\$ 64.00	\$ 14,272.00	\$ 45.00	\$ 10,035.00
608-00010	CONCRETE CURB RAMP	SY	8	\$200.00	\$1,600.00	\$ 130.00	\$ 1,040.00	\$ 306.00	\$ 2,448.00	\$ 179.00	\$ 1,432.00	\$ 160.00	\$ 1,280.00	\$ 175.00	\$ 1,400.00
608-00026	CONCRETE BIKEWAY (6 INCH)	SY	73	\$75.00	\$5,475.00	\$ 41.00	\$ 2,993.00	\$ 68.00	\$ 4,964.00	\$ 95.00	\$ 6,935.00	\$ 90.00	\$ 6,570.00	\$ 45.00	\$ 3,285.00
608-00350	CONCRETE SIDEWALK (COLORED)	SY	45	\$100.00	\$4,500.00	\$ 83.00	\$ 3,735.00	\$ 68.00	\$ 3,060.00	\$ 178.00	\$ 8,010.00	\$ 133.00	\$ 5,985.00	\$ 120.00	\$ 5,400.00
609-21020	CURB AND GUTTER TYPE 2 (SECTION II - B)	LF	42	\$20.00	\$840.00	\$ 26.00	\$ 1,092.00	\$ 33.00	\$ 1,386.00	\$ 23.00	\$ 966.00	\$ 34.00	\$ 1,428.00	\$ 25.00	\$ 1,050.00
619-50060	3/4 INCH PLASTIC PIPE	LF	150	\$2.50	\$375.00	\$ 3.00	\$ 450.00	\$ 4.60	\$ 690.00	\$ 3.25	\$ 487.50	\$ 2.50	\$ 375.00	\$ 13.50	\$ 2,025.00
619-50160	2 INCH PLASTIC PIPE	LF	92	\$3.50	\$322.00	\$ 6.00	\$ 552.00	\$ 9.20	\$ 846.40	\$ 4.00	\$ 368.00	\$ 3.00	\$ 276.00	\$ 21.00	\$ 1,932.00
619-50320	4 INCH PLASTIC PIPE	LF	22	\$8.00	\$176.00	\$ 23.00	\$ 506.00	\$ 17.25	\$ 379.50	\$ 12.00	\$ 264.00	\$ 9.00	\$ 198.00	\$ 42.00	\$ 924.00
622-00010	BICYCLE RACK	EA	50	\$250.00	\$12,500.00	\$ 288.00	\$ 14,400.00	\$ 190.00	\$ 9,500.00	\$ 232.00	\$ 11,600.00	\$ 288.00	\$ 14,400.00	\$ 600.00	\$ 30,000.00
623-00164	DRIP EMITTER	EA	80	\$4.50	\$360.00	\$ 15.00	\$ 1,200.00	\$ 5.75	\$ 460.00	\$ 3.60	\$ 288.00	\$ 40.00	\$ 3,200.00	\$ 8.50	\$ 680.00
623-00166	3/4 INCH EMITTER VALVE ASSEMBLY	EA	1	\$150.00	\$150.00	\$ 114.00	\$ 114.00	\$ 230.00	\$ 230.00	\$ 245.00	\$ 245.00	\$ 575.00	\$ 575.00	\$ 621.00	\$ 621.00
623-02006	3/4 INCH DRAIN VALVE	EA	1	\$100.00	\$100.00	\$ 114.00	\$ 114.00	\$ 57.50	\$ 57.50	\$ 184.00	\$ 184.00	\$ 400.00	\$ 400.00	\$ 486.00	\$ 486.00
623-04000	CONTROL WIRE 24 VOLT	LF	600	\$0.75	\$450.00	\$ 0.60	\$ 360.00	\$ 1.15	\$ 690.00	\$ 2.00	\$ 1,200.00	\$ 1.00	\$ 600.00	\$ 5.40	\$ 3,240.00
625-00000	CONSTRUCTION SURVEYING	LS	1	\$5,000.00	\$5,000.00	\$ 4,600.00	\$ 4,600.00	\$ 9,775.00	\$ 9,775.00	\$ 5,000.00	\$ 5,000.00	\$ 6,500.00	\$ 6,500.00	\$ 1,440.00	\$ 1,440.00
626-00000	MOBILIZATION	LS	1	\$26,000.00	\$26,000.00	\$ 35,020.00	\$ 35,020.00	\$ 60,100.00	\$ 60,100.00	\$ 60,000.00	\$ 60,000.00	\$ 24,000.00	\$ 24,000.00	\$ 47,000.00	\$ 47,000.00
630-00000	FLAGGING	HR	40	\$40.00	\$1,600.00	\$ 28.00	\$ 1,120.00	\$ 25.00	\$ 1,000.00	\$ 28.00	\$ 1,120.00	\$ 28.00	\$ 1,120.00	\$ 26.40	\$ 1,056.00
630-00007	TRAFFIC CONTROL INSPECTION														