

Colorado Department of Transportation		Project # STE M320-020																			
ENGINEER'S OPINION OF PROBABLE COST																					
Project Name	QUINCY AVENUE BIKE PATH DESIGN	Date	4/16/08																		
County of	DENVER	P.E. Project code (SA#)	14411																		
Type	CTN	Length	3,275.0 ft. = 0.62 miles																		
Prepared by	CTN	Roadway (with Paved Shoulders)	10' (Shared Use Path) wide																		
No.	ITEM	UNIT	QUANTITY	PRICE	AMOUNT	Keene Concrete, Inc. Unit Cost	Total Bid	Tarco, Inc. Unit Cost	Total Bid	Concrete Express Unit Cost	Total Bid	KECI Colorado, Inc. Unit Cost	Total Bid	Goodland Construction, Inc. Unit Cost	Total Bid	Noraa Concrete Const. Corp. Unit Cost	Total Bid	Concrete Construction Specialists LLC Unit Cost	Total Bid	New Design Construction Co. Unit Cost	Total Bid
201	CLEARING AND GRUBBING	LS	1	\$4,500.00	\$4,500.00	\$ 7,950.00	\$ 7,950.00	\$ 4,500.00	\$ 4,500.00	\$ 10,415.00	\$ 10,415.00	\$ 8,500.00	\$ 8,500.00	\$ 10,000.00	\$ 10,000.00	\$ 9,630.00	\$ 9,630.00	\$ 35,000.00	\$ 35,000.00	10,300.00	\$ 10,300.00
202	REMOVAL OF STRUCTURES (SPECIAL)	EACH	1	\$1,000.00	\$1,000.00	\$ 3,000.00	\$ 3,000.00	\$ 818.00	\$ 818.00	\$ 275.00	\$ 275.00	\$ 160.00	\$ 160.00	\$ 1,250.00	\$ 1,250.00	\$ 570.00	\$ 570.00	\$ 2,500.00	\$ 2,500.00	670.00	\$ 670.00
202	REMOVAL OF INLET	EACH	2	\$2,000.00	\$4,000.00	\$ 800.00	\$ 1,600.00	\$ 923.00	\$ 1,846.00	\$ 685.00	\$ 1,370.00	\$ 850.00	\$ 1,700.00	\$ 1,250.00	\$ 2,500.00	\$ 1,235.00	\$ 2,470.00	\$ 850.00	\$ 1,700.00	660.00	\$ 1,320.00
202	REMOVAL OF CONCRETE	SY	144	\$22.00	\$3,168.00	\$ 13.00	\$ 1,872.00	\$ 34.00	\$ 4,896.00	\$ 6.00	\$ 864.00	\$ 33.00	\$ 4,752.00	\$ 10.00	\$ 1,440.00	\$ 10.50	\$ 1,512.00	\$ 15.00	\$ 2,160.00	25.00	\$ 3,600.00
202	REMOVAL OF ASPHALT MAT	SY	841	\$10.00	\$8,410.00	\$ 9.00	\$ 7,569.00	\$ 19.00	\$ 15,979.00	\$ 9.10	\$ 7,653.10	\$ 13.00	\$ 10,933.00	\$ 12.50	\$ 10,512.50	\$ 12.50	\$ 10,512.50	\$ 14.00	\$ 11,774.00	18.00	\$ 15,138.00
202	REMOVAL OF PAVEMENT MARKING	SF	1,054	\$3.00	\$3,162.00	\$ 2.25	\$ 2,371.50	\$ 2.00	\$ 2,108.00	\$ 2.32	\$ 2,445.28	\$ 2.50	\$ 2,635.00	\$ 2.50	\$ 2,635.00	\$ 2.75	\$ 2,898.50	\$ 2.00	\$ 2,108.00	3.30	\$ 3,478.20
202	REMOVAL OF GROUND SIGN	EACH	2	\$200.00	\$400.00	\$ 150.00	\$ 300.00	\$ 56.00	\$ 112.00	\$ 128.00	\$ 256.00	\$ 75.00	\$ 150.00	\$ 125.00	\$ 250.00	\$ 131.00	\$ 262.00	\$ 100.00	\$ 200.00	190.00	\$ 380.00
202	ABANDON EXISTING MANHOLE	EACH	1	\$1,000.00	\$1,000.00	\$ 850.00	\$ 850.00	\$ 693.00	\$ 693.00	\$ 455.00	\$ 455.00	\$ 400.00	\$ 400.00	\$ 500.00	\$ 500.00	\$ 1,240.00	\$ 1,240.00	\$ 500.00	\$ 500.00	1,040.00	\$ 1,040.00
203	EMBANKMENT MATERIAL (COMPLETE IN PLACE)	CY	2,444	\$13.00	\$31,772.00	\$ 14.00	\$ 34,216.00	\$ 26.00	\$ 63,544.00	\$ 21.80	\$ 53,279.20	\$ 33.00	\$ 80,652.00	\$ 15.00	\$ 36,660.00	\$ 31.00	\$ 75,764.00	\$ 32.00	\$ 78,208.00	18.00	\$ 43,992.00
203	MUCK EXCAVATION	CY	20	\$50.00	\$1,000.00	\$ 18.00	\$ 360.00	\$ 131.00	\$ 2,620.00	\$ 42.00	\$ 840.00	\$ 49.00	\$ 980.00	\$ 35.00	\$ 700.00	\$ 30.00	\$ 600.00	\$ 50.00	\$ 1,000.00	56.00	\$ 1,120.00
203	POTHOLING	HOURL	40	\$200.00	\$8,000.00	\$ 100.00	\$ 4,000.00	\$ 174.00	\$ 6,960.00	\$ 200.00	\$ 8,000.00	\$ 255.00	\$ 10,200.00	\$ 160.00	\$ 6,400.00	\$ 216.00	\$ 8,640.00	\$ 250.00	\$ 10,000.00	320.00	\$ 12,800.00
207	TOPSOIL	CY	833	\$25.00	\$20,825.00	\$ 28.00	\$ 23,324.00	\$ 17.00	\$ 14,161.00	\$ 37.00	\$ 30,821.00	\$ 35.00	\$ 29,155.00	\$ 35.00	\$ 29,155.00	\$ 35.50	\$ 29,571.50	\$ 40.00	\$ 33,320.00	63.00	\$ 52,479.00
208	SILT FENCE	LF	3,038	\$2.50	\$7,595.00	\$ 1.25	\$ 3,797.50	\$ 1.50	\$ 4,557.00	\$ 3.18	\$ 9,660.84	\$ 1.25	\$ 3,797.50	\$ 4.00	\$ 12,152.00	\$ 2.10	\$ 6,379.80	\$ 2.00	\$ 6,076.00	4.60	\$ 13,974.80
208	INLET PROTECTION	EACH	2	\$300.00	\$600.00	\$ 150.00	\$ 300.00	\$ 175.00	\$ 350.00	\$ 520.00	\$ 1,040.00	\$ 50.00	\$ 100.00	\$ 150.00	\$ 300.00	\$ 485.00	\$ 970.00	\$ 250.00	\$ 500.00	620.00	\$ 1,240.00
208	EROSION LOG (12 INCH)	LF	75	\$10.00	\$750.00	\$ 20.00	\$ 1,500.00	\$ 8.00	\$ 600.00	\$ 9.00	\$ 675.00	\$ 6.00	\$ 450.00	\$ 6.00	\$ 450.00	\$ 9.50	\$ 712.50	\$ 5.00	\$ 375.00	15.00	\$ 1,125.00
208	CONCRETE WASHOUT STRUCTURE	EACH	1	\$1,500.00	\$1,500.00	\$ 750.00	\$ 750.00	\$ 526.00	\$ 526.00	\$ 520.00	\$ 520.00	\$ 550.00	\$ 550.00	\$ 350.00	\$ 350.00	\$ 1,190.00	\$ 1,190.00	\$ 1,500.00	\$ 1,500.00	990.00	\$ 990.00
208	STABILIZED CONSTRUCTION ENTRANCE	EACH	1	\$2,000.00	\$2,000.00	\$ 650.00	\$ 650.00	\$ 1,320.00	\$ 1,320.00	\$ 1,740.00	\$ 1,740.00	\$ 2,100.00	\$ 2,100.00	\$ 1,500.00	\$ 1,500.00	\$ 1,385.00	\$ 1,385.00	\$ 1,500.00	\$ 1,500.00	1,300.00	\$ 1,300.00
208	SEDIMENT REMOVAL & DISPOSAL	LS	1	\$10,000.00	\$10,000.00	\$ 500.00	\$ 500.00	\$ 2,106.00	\$ 2,106.00	\$ 2,100.00	\$ 2,100.00	\$ 2,300.00	\$ 2,300.00	\$ 2,500.00	\$ 2,500.00	\$ 3,890.00	\$ 3,890.00	\$ 3,000.00	\$ 3,000.00	685.00	\$ 685.00
208	EROSION CONTROL SUPERVISOR	LS	1	\$4,000.00	\$4,000.00	\$ 3,000.00	\$ 3,000.00	\$ 11,600.00	\$ 11,600.00	\$ 11,460.00	\$ 11,460.00	\$ 800.00	\$ 800.00	\$ 1,500.00	\$ 1,500.00	\$ 7,690.00	\$ 7,690.00	\$ 2,000.00	\$ 2,000.00	8,910.00	\$ 8,910.00
210	MODIFY INLET (SPECIAL)	EACH	1	\$5,000.00	\$5,000.00	\$ 4,000.00	\$ 4,000.00	\$ 1,416.00	\$ 1,416.00	\$ 970.00	\$ 970.00	\$ 800.00	\$ 800.00	\$ 2,500.00	\$ 2,500.00	\$ 660.00	\$ 660.00	\$ 3,000.00	\$ 3,000.00	3,020.00	\$ 3,020.00
210	RESET GROUND SIGN	EACH	3	\$200.00	\$600.00	\$ 155.00	\$ 465.00	\$ 175.00	\$ 525.00	\$ 190.00	\$ 570.00	\$ 230.00	\$ 690.00	\$ 200.00	\$ 600.00	\$ 196.00	\$ 588.00	\$ 100.00	\$ 300.00	475.00	\$ 1,425.00
210	RESET SIGN PANEL	EACH	1	\$150.00	\$150.00	\$ 175.00	\$ 175.00	\$ 88.00	\$ 88.00	\$ 120.00	\$ 120.00	\$ 75.00	\$ 75.00	\$ 150.00	\$ 150.00	\$ 131.00	\$ 131.00	\$ 100.00	\$ 100.00	260.00	\$ 260.00
210	ADJUST MANHOLE (SPECIAL)	EACH	1	\$2,500.00	\$2,500.00	\$ 800.00	\$ 800.00	\$ 3,200.00	\$ 3,200.00	\$ 325.00	\$ 325.00	\$ 1,200.00	\$ 1,200.00	\$ 750.00	\$ 750.00	\$ 725.00	\$ 725.00	\$ 500.00	\$ 500.00	670.00	\$ 670.00
212	SEEDING (NATIVE)	ACRE	1	\$2,000.00	\$2,000.00	\$ 4,856.00	\$ 4,856.00	\$ 585.00	\$ 585.00	\$ 2,016.00	\$ 2,016.00	\$ 500.00	\$ 500.00	\$ 2,750.00	\$ 2,750.00	\$ 2,352.00	\$ 2,352.00	\$ 1,000.00	\$ 1,000.00	1,900.00	\$ 1,900.00
213	MULCHING (WEED FREE)	ACRE	1	\$2,000.00	\$2,000.00	\$ 4,856.00	\$ 4,856.00	\$ 760.00	\$ 760.00	\$ 2,016.00	\$ 2,016.00	\$ 1,000.00	\$ 1,000.00	\$ 3,250.00	\$ 3,250.00	\$ 2,352.00	\$ 2,352.00	\$ 1,000.00	\$ 1,000.00	1,900.00	\$ 1,900.00
213	MULCHING TACKIFIER	LBS	200	\$8.00	\$1,600.00	\$ 23.00	\$ 4,600.00	\$ 1.60	\$ 320.00	\$ 3.50	\$ 700.00	\$ 4.00	\$ 800.00	\$ 3.50	\$ 700.00	\$ 4.00	\$ 800.00	\$ 3.00	\$ 600.00	3.30	\$ 660.00
214	MISCELLANEOUS LANDSCAPING AND IRRIGATION	LS	1	\$2,000.00	\$2,000.00	\$ 11,500.00	\$ 11,500.00	\$ 3,500.00	\$ 3,500.00	\$ 2,900.00	\$ 2,900.00	\$ 31,000.00	\$ 31,000.00	\$ 2,500.00	\$ 2,500.00	\$ 19,600.00	\$ 19,600.00	\$ 10,000.00	\$ 10,000.00	8,350.00	\$ 8,350.00
216	SOIL RETENTION BLANKET	SY	276	\$5.00	\$1,380.00	\$ 3.50	\$ 966.00	\$ 3.00	\$ 828.00	\$ 3.20	\$ 883.20	\$ 2.00	\$ 552.00	\$ 5.00	\$ 1,380.00	\$ 3.75	\$ 1,035.00	\$ 3.00	\$ 828.00	3.00	\$ 828.00
304	AGGREGATE BASE COURSE (CLASS 6)	CY	20	\$30.00	\$600.00	\$ 25.00	\$ 500.00	\$ 91.00	\$ 1,820.00	\$ 35.00	\$ 700.00	\$ 58.00	\$ 1,160.00	\$ 35.00	\$ 700.00	\$ 38.00	\$ 760.00	\$ 40.00	\$ 800.00	35.00	\$ 700.00
403	HOT MIX ASPHALT, PATCHING	SY	413	\$100.00	\$41,300.00	\$ 36.00	\$ 14,868.00	\$ 101.00	\$ 41,713.00	\$ 77.68	\$ 32,081.84	\$ 66.00	\$ 27,258.00	\$ 100.00	\$ 41,300.00	\$ 78.00	\$ 32,214.00	\$ 40.00	\$ 16,520.00	133.00	\$ 54,929.00
412	CONCRETE PAVEMENT	SY	136	\$65.00	\$8,840.00	\$ 45.00	\$ 6,120.00	\$ 57.00	\$ 7,752.00	\$ 40.60	\$ 5,521.60	\$ 78.00	\$ 10,608.00	\$ 55.00	\$ 7,480.00	\$ 84.00	\$ 11,424.00	\$ 65.00	\$ 8,840.00	46.00	\$ 6,256.00
604	INLET SPECIAL (TRENCH DRAIN) (12 INCH WIDTH)	LF	10	\$200.00	\$2,000.00	\$ 150.00	\$ 1,500.00	\$ 49.00	\$ 490.00	\$ 142.00	\$ 1,420.00	\$ 170.00	\$ 1,700.00	\$ 165.00	\$ 1,650.00	\$ 158.00	\$ 1,580.00	\$ 100.00	\$ 1,000.00	69.00	\$ 690.00
608	CONCRETE BIKEWAY (6 INCH)	SY	3,546	\$50.00	\$177,300.00	\$ 33.00	\$ 117,018.00	\$ 31.00	\$ 109,926.00	\$ 37.65	\$ 133,506.90	\$ 32.00	\$ 113,472.00	\$ 47.50	\$ 168,435.00	\$ 36.50	\$ 129,429.00	\$ 43.00	\$ 152,478.00	28.50	\$ 101,061.00
608	CONCRETE CURB RAMP	SY	85	\$200.00	\$17,000.00	\$ 65.00	\$ 5,525.00	\$ 132.00	\$ 11,220.00	\$ 95.00	\$ 8,075.00	\$ 180.00	\$ 15,300.00	\$ 100.00	\$ 8,500.00	\$ 120.00	\$ 10,200.00	\$ 95.00	\$ 8,075.00	120.00	\$ 10,200.00
609	GUTTER TYPE 2 (4 FOOT WIDE)	LF	40	\$30.00	\$1,200.00	\$ 16.80	\$ 672.00	\$ 51.00	\$ 2,040.00	\$ 19.80	\$ 792.00	\$ 36.00	\$ 1,440.00	\$ 35.00	\$ 1,400.00	\$ 31.25	\$ 1,250.00	\$ 30.00	\$ 1,200.00	60.00	\$ 2,400.00
609	GUTTER TYPE 2 (5 FOOT WIDE)	LF	100	\$35.00	\$3,500.00	\$ 21.25	\$ 2,125.00	\$ 46.00	\$ 4,600.00	\$ 42.00	\$ 4,200.00	\$ 42.00	\$ 4,200.00	\$ 42.50	\$ 4,250.00	\$ 39.00	\$ 3,900.00	\$ 35.00	\$ 3,500.00	40.00	\$ 4,000.00
609	GUTTER TYPE 2 (8 FOOT WIDE)	LF	93	\$48.00	\$4,464.00	\$ 33.75	\$ 3,138.75	\$ 59.00	\$ 5,487.00	\$ 55.70	\$ 5,181.10	\$ 67.00	\$ 6,231.00	\$ 52.50	\$ 4,882.50	\$ 77.50	\$ 7,207.50	\$ 45.00	\$ 4,185.00	60.00	\$ 5,880.00
609	CURB AND GUTTER, TYPE 2 (SECTION II-B)	LF	841	\$22.00	\$18,502.00	\$ 15.00	\$ 12,615.00	\$ 17.00	\$ 14,297.00	\$ 16.80	\$ 14,128.80	\$ 21.00	\$ 17,661.00	\$ 18.50	\$ 15,558.50	\$ 15.50	\$ 13,035.50	\$ 16.00	\$ 13,456.00	15.00	\$ 12,615.00
610	MEDIAN COVER MATERIAL (PATTERNED CONCRETE)	SF	1,102	\$15.00	\$16,530.00	\$ 10.25	\$ 11,295.50	\$ 13.00	\$ 14,326.00	\$ 10.00	\$ 11,020.00	\$ 9.00	\$ 9,918.00	\$ 15.00	\$ 16,530.00	\$ 9.50	\$ 10,469.00	\$ 6.00	\$ 6,612.00	6.50	\$ 7,163.00
614	SIGN PANEL (CLASS 1)	SF	35	\$25.00	\$862.00	\$ 25.00	\$ 862.50	\$ 28.00	\$ 966.00	\$ 24.00	\$ 828.00	\$ 25.00	\$ 862.50	\$ 25.00	\$ 862.50	\$ 31.50	\$ 1,087.50	\$ 20.00	\$ 690.00	22.00	\$ 759.00
614	STEEL POST (2x2 INCH TUBING)	LF	105	\$15.00	\$1,575.00	\$ 15.00	\$ 1,575.00	\$ 15.00	\$ 1,575.00	\$ 16.00	\$ 1,680.00	\$ 14.00	\$ 1,470.00	\$ 15.00	\$ 1,575.00	\$ 16.50	\$ 1,732.50	\$ 15.00	\$ 1,575.00	11.00	\$ 1,155.00
614	STEEL POST (2.25x2.25 INCH TUBING)	LF	29	\$15.00	\$435.00	\$ 19.00	\$ 551.00	\$ 18.00	\$ 522.00	\$ 18.50	\$ 536.50	\$ 33.00	\$ 957.00	\$ 20.00	\$ 580.00	\$ 19.50	\$ 565.50	\$ 17.00	\$ 493.00	94.00	\$ 2,726.00
620	SANITARY FACILITY	EACH	2	\$1,500.00	\$3,000.00	\$ 550.00	\$ 1,100.00	\$ 440.00	\$ 880.00	\$ 780.00	\$ 1,560.00	\$ 350.00	\$ 700.00	\$ 1,500.00	\$ 3,000.00	\$ 1,400.00	\$ 2,800.00	\$ 500.00	\$ 1,000.00	380.00	\$ 760.00
625	CONSTRUCTION SURVEYING	LS	1	\$8,000.00	\$8,000.00	\$ 7,100.00	\$ 7,100.00	\$ 8,700.00	\$ 8,700.00	\$ 14,000.00	\$ 14,000.00	\$ 2,600.00	\$ 2,600.00	\$ 10,000.00	\$ 10,000.00	\$ 8,900.00	\$ 8,900.00	\$ 10,000.00	\$ 10,000.00	6,600.00	\$ 6,600.00
626	MOBILIZATION	LS	1	\$60,000.00	\$60,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 56,000.00	\$ 56,000.00	\$ 31,885.60	\$ 31,885.60	\$ 25,000							