

CARSON CITY AIRPORT

REHABILITATE and REALIGN RUNWAY 9/27 and TAXIWAY A AND CONSTRUCT TAXIWAY D

PRELIMINARY COST ESTIMATE

05/18/09

ITEM	DESCRIPTION	ENGINEERS ESTIMATE				EI CAMINO CONSTRUCTION		GRANITE CONSTRUCTION		ROAD AND HIGHWAY BUILDERS		SIERRA NEVADA CONSTRUCTION		A&K EARTHMOVERS		Q&D CONSTRUCTION	
		QTY.	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
BASE BID																	
P-100-1	Mobilization/Demobilization	1	L.S.	\$ 359,990.67	\$ 359,991	\$ 680,000.00	\$ 680,000.00	\$ 900,000.00	\$ 900,000.00	\$ 500,000.00	\$ 500,000.00	\$ 25,000.00	\$ 25,000.00	\$ 775,000.00	\$ 775,000.00	\$ 820,000.00	\$ 820,000.00
P-101-1	Low Profile Barricades	40	Each	\$ 250.00	\$ 10,000	\$ 150.00	\$ 6,000.00	\$ 100.00	\$ 4,000.00	\$ 800.00	\$ 32,000.00	\$ 325.00	\$ 13,000.00	\$ 270.00	\$ 10,800.00	\$ 350.00	\$ 14,000.00
L-893-1	Lighted "X" Runway Closure Marker with Power Supply	2	Each	\$ 14,430.00	\$ 28,860	\$ 22,000.00	\$ 44,000.00	\$ 16,000.00	\$ 32,000.00	\$ 15,000.00	\$ 30,000.00	\$ 23,000.00	\$ 46,000.00	\$ 23,000.00	\$ 46,000.00	\$ 10,000.00	\$ 20,000.00
P-104-1	Pavement Removal	105,438	S.Y.	\$ 5.00	\$ 527,190	\$ 0.50	\$ 52,719.00	\$ 0.60	\$ 63,262.80	\$ 2.00	\$ 210,876.00	\$ 1.65	\$ 173,972.70	\$ 1.75	\$ 184,516.50	\$ 0.90	\$ 94,894.20
P-104-2	Remove Existing Wire Fence	41	L.F.	\$ 5.00	\$ 205	\$ 75.00	\$ 3,075.00	\$ 5.00	\$ 205.00	\$ 10.00	\$ 410.00	\$ 20.00	\$ 820.00	\$ 6.00	\$ 246.00	\$ 10.00	\$ 410.00
P-104-3	Relocate Port-A-Port Hangar	5	Each	\$ 5,000.00	\$ 25,000	\$ 3,100.00	\$ 15,500.00	\$ 2,500.00	\$ 12,500.00	\$ 1,000.00	\$ 5,000.00	\$ 2,600.00	\$ 13,000.00	\$ 10,800.00	\$ 54,000.00	\$ 2,000.00	\$ 10,000.00
P-151-1	Clearing and Grubbing	79.30	Acres	\$ 1,400.00	\$ 111,020	\$ 740.00	\$ 58,682.00	\$ 800.00	\$ 63,440.00	\$ 600.00	\$ 47,580.00	\$ 1,200.00	\$ 95,160.00	\$ 2,410.00	\$ 191,113.00	\$ 2,200.00	\$ 174,460.00
P-152-1	Unclassified Excavation and Embankment	1	L.S.	\$ 2,800,000.00	\$ 2,800,000	\$ 1,093,000.00	\$ 1,093,000.00	\$ 3,181,603.00	\$ 3,181,603.00	\$ 3,573,112.00	\$ 3,573,112.00	\$ 4,641,827.90	\$ 4,641,827.90	\$ 3,691,941.10	\$ 3,691,941.10	\$ 7,000,000.00	\$ 7,000,000.00
P-152-2	Overexcavation of Unsuitable Soils and Backfill w/ Suitable	10,750	C.Y.	\$ 30.00	\$ 322,500	\$ 2.00	\$ 21,500.00	\$ 3.50	\$ 37,625.00	\$ 2.00	\$ 21,500.00	\$ 0.01	\$ 107.50	\$ 19.80	\$ 212,850.00	\$ 2.00	\$ 21,500.00
P-156-1	Temporary Air and Water Pollution, Soil, Erosion and Siltation Control	1	L.S.	\$ 56,000.00	\$ 56,000	\$ 29,500.00	\$ 29,500.00	\$ 150,000.00	\$ 150,000.00	\$ 8,000.00	\$ 8,000.00	\$ 20,000.00	\$ 20,000.00	\$ 98,930.00	\$ 98,930.00	\$ 40,000.00	\$ 40,000.00
P-610-1	19-inch Concrete Median Curb	76	L.F.	\$ 100.00	\$ 7,600	\$ 32.00	\$ 2,432.00	\$ 40.00	\$ 3,040.00	\$ 30.00	\$ 2,280.00	\$ 32.00	\$ 2,432.00	\$ 25.00	\$ 1,900.00	\$ 35.00	\$ 2,660.00
P-611-1	Asphalt Concrete Control Joints	111,592	L.F.	\$ 7.50	\$ 836,940	\$ 1.50	\$ 167,388.00	\$ 1.25	\$ 139,490.00	\$ 1.00	\$ 111,592.00	\$ 1.25	\$ 139,490.00	\$ 1.20	\$ 133,910.40	\$ 1.20	\$ 133,910.40
P-620-1	6-inch Solid Yellow Stripe	19,870	L.F.	\$ 0.50	\$ 9,935	\$ 0.75	\$ 14,902.50	\$ 0.40	\$ 7,948.00	\$ 0.30	\$ 5,961.00	\$ 0.45	\$ 8,941.50	\$ 0.40	\$ 7,948.00	\$ 0.60	\$ 11,922.00
P-620-2	12-inch Solid White Stripe	3,320	L.F.	\$ 1.00	\$ 3,320	\$ 0.60	\$ 1,992.00	\$ 0.70	\$ 2,324.00	\$ 0.60	\$ 1,992.00	\$ 0.80	\$ 2,656.00	\$ 0.70	\$ 2,324.00	\$ 0.50	\$ 1,660.00
P-620-3	36-inch Yellow Chevron	1,104	L.F.	\$ 2.00	\$ 2,208	\$ 2.00	\$ 2,208.00	\$ 2.25	\$ 2,484.00	\$ 5.00	\$ 5,520.00	\$ 2.50	\$ 2,760.00	\$ 2.25	\$ 2,484.00	\$ 1.75	\$ 1,932.00
P-620-4	Intermediate Holding Position Marking	1,090	L.F.	\$ 2.00	\$ 2,180	\$ 1.00	\$ 1,090.00	\$ 0.40	\$ 436.00	\$ 0.80	\$ 872.00	\$ 0.45	\$ 490.50	\$ 0.40	\$ 436.00	\$ 0.60	\$ 654.00
P-620-5	Yellow Holding Position Marking	627	L.F.	\$ 3.00	\$ 1,881	\$ 3.00	\$ 1,881.00	\$ 2.00	\$ 1,254.00	\$ 4.00	\$ 2,508.00	\$ 2.20	\$ 1,379.40	\$ 2.00	\$ 1,254.00	\$ 2.50	\$ 1,567.50
P-620-6	White Runway Numerals	3	Each	\$ 400.00	\$ 1,200	\$ 600.00	\$ 1,800.00	\$ 550.00	\$ 1,650.00	\$ 500.00	\$ 1,500.00	\$ 605.00	\$ 1,815.00	\$ 550.00	\$ 1,650.00	\$ 550.00	\$ 1,650.00
P-620-7	White Striated Aiming Point Marker	4	Each	\$ 500.00	\$ 2,000	\$ 600.00	\$ 2,400.00	\$ 650.00	\$ 2,600.00	\$ 1,200.00	\$ 4,800.00	\$ 715.00	\$ 2,860.00	\$ 650.00	\$ 2,600.00	\$ 550.00	\$ 2,200.00
P-620-8	White Striated Threshold Bar	2	Each	\$ 400.00	\$ 800	\$ 600.00	\$ 1,200.00	\$ 525.00	\$ 1,050.00	\$ 1,300.00	\$ 2,600.00	\$ 580.00	\$ 1,160.00	\$ 525.00	\$ 1,050.00	\$ 550.00	\$ 1,100.00
P-660-1	#5 Pull Box Traffic Rated	4	Each	\$ 550.00	\$ 2,200	\$ 360.00	\$ 1,440.00	\$ 880.00	\$ 3,520.00	\$ 500.00	\$ 2,000.00	\$ 515.00	\$ 2,060.00	\$ 660.00	\$ 2,640.00	\$ 500.00	\$ 2,000.00
D-701-1	12-inch RCP Class III	120	L.F.	\$ 50.00	\$ 6,000	\$ 74.00	\$ 8,880.00	\$ 55.00	\$ 6,600.00	\$ 20.00	\$ 2,400.00	\$ 58.00	\$ 6,960.00	\$ 55.00	\$ 6,000.00	\$ 50.00	\$ 6,000.00
D-701-2	12-inch RCP End Section	1	Each	\$ 250.00	\$ 250	\$ 2,475.00	\$ 2,475.00	\$ 550.00	\$ 550.00	\$ 500.00	\$ 500.00	\$ 1,000.00	\$ 1,000.00	\$ 525.00	\$ 525.00	\$ 650.00	\$ 650.00
D-701-3	15-inch RCP Class V	384	L.F.	\$ 75.00	\$ 28,800	\$ 68.00	\$ 26,112.00	\$ 55.00	\$ 21,120.00	\$ 25.00	\$ 9,600.00	\$ 45.00	\$ 17,280.00	\$ 48.00	\$ 18,432.00	\$ 50.00	\$ 19,200.00
D-701-4	15-inch RCP End Section	12	Each	\$ 350.00	\$ 4,200	\$ 2,460.00	\$ 29,520.00	\$ 550.00	\$ 6,600.00	\$ 500.00	\$ 6,000.00	\$ 1,075.00	\$ 12,900.00	\$ 590.00	\$ 7,080.00	\$ 650.00	\$ 7,800.00
D-701-5	18-inch RCP Class III	518	L.F.	\$ 75.00	\$ 38,850	\$ 75.00	\$ 38,850.00	\$ 60.00	\$ 31,080.00	\$ 30.00	\$ 15,540.00	\$ 50.00	\$ 25,900.00	\$ 52.00	\$ 26,936.00	\$ 55.00	\$ 28,490.00
D-701-6	18-inch RCP End Section	8	Each	\$ 375.00	\$ 3,000	\$ 1,940.00	\$ 15,520.00	\$ 600.00	\$ 4,800.00	\$ 600.00	\$ 4,800.00	\$ 815.00	\$ 6,520.00	\$ 635.00	\$ 5,080.00	\$ 650.00	\$ 5,200.00
D-701-7	24-inch RCP Class III	150	L.F.	\$ 100.00	\$ 15,000	\$ 83.00	\$ 12,450.00	\$ 95.00	\$ 14,250.00	\$ 35.00	\$ 5,250.00	\$ 66.00	\$ 9,900.00	\$ 71.00	\$ 10,650.00	\$ 60.00	\$ 9,000.00
D-701-8	24-inch RCP End Section	2	Each	\$ 500.00	\$ 1,000	\$ 2,150.00	\$ 4,300.00	\$ 1,100.00	\$ 2,200.00	\$ 600.00	\$ 1,200.00	\$ 1,375.00	\$ 2,750.00	\$ 915.00	\$ 1,830.00	\$ 1,200.00	\$ 2,400.00
D-701-9	30-inch RCP Class III	1,006	L.F.	\$ 125.00	\$ 125,750	\$ 92.00	\$ 92,552.00	\$ 95.00	\$ 95,570.00	\$ 50.00	\$ 50,300.00	\$ 74.00	\$ 74,444.00	\$ 92.00	\$ 92,552.00	\$ 70.00	\$ 70,420.00
D-701-10	30-inch RCP End Section	9	Each	\$ 625.00	\$ 5,625	\$ 2,320.00	\$ 20,880.00	\$ 1,100.00	\$ 9,900.00	\$ 1,000.00	\$ 9,000.00	\$ 1,450.00	\$ 13,050.00	\$ 1,125.00	\$ 10,125.00	\$ 1,500.00	\$ 13,500.00
D-701-11	Drainage Inlet	2	Each	\$ 3,000.00	\$ 6,000	\$ 3,225.00	\$ 6,450.00	\$ 3,000.00	\$ 6,000.00	\$ 3,000.00	\$ 6,000.00	\$ 2,000.00	\$ 4,000.00	\$ 1,260.00	\$ 2,520.00	\$ 2,000.00	\$ 4,000.00
D-702-1	18-inch Concrete Encased CMP Slotted Drain	200	L.F.	\$ 250.00	\$ 50,000	\$ 94.00	\$ 18,800.00	\$ 100.00	\$ 20,000.00	\$ 100.00	\$ 20,000.00	\$ 129.00	\$ 25,800.00	\$ 79.00	\$ 15,800.00	\$ 80.00	\$ 16,000.00
D-703-1	24" Thick Rock Rip Rap	4,280	S.F.	\$ 10.00	\$ 42,800	\$ 4.00	\$ 17,120.00	\$ 1.50	\$ 6,420.00	\$ 5.00	\$ 21,400.00	\$ 2.50	\$ 10,700.00	\$ 3.40	\$ 14,552.00	\$ 4.00	\$ 17,120.00
D-703-2	24" Thick Grouted Rock Rip Rap	200	S.F.	\$ 20.00	\$ 4,000	\$ 43.00	\$ 8,600.00	\$ 11.00	\$ 2,200.00	\$ 5.00	\$ 1,000.00	\$ 10.00	\$ 2,000.00	\$ 21.00	\$ 4,200.00	\$ 10.00	\$ 2,000.00
D-710-1	8-inch PVC SDR 35 Sewer Pipe	696	L.F.	\$ 75.00	\$ 52,200	\$ 50.00	\$ 34,800.00	\$ 55.00	\$ 38,280.00	\$ 20.00	\$ 13,920.00	\$ 28.00	\$ 19,488.00	\$ 33.50	\$ 23,316.00	\$ 45.00	\$ 31,320.00
D-710-2	Adjust Sanitary Sewer Manhole and Rim to Finished Grade	2	Each	\$ 500.00	\$ 1,000	\$ 965.00	\$ 1,930.00	\$ 700.00	\$ 1,400.00	\$ 3,000.00	\$ 6,000.00	\$ 600.00	\$ 1,200.00	\$ 905.00	\$ 1,810.00	\$ 650.00	\$ 1,300.00
D-752-1	10'x5' Concrete Double Box Culvert	323	L.F.	\$ 650.00	\$ 209,950	\$ 1,250.00	\$ 403,750.00	\$ 1,300.00	\$ 419,900.00	\$ 1,000.00	\$ 323,000.00	\$ 980.00	\$ 316,540.00	\$ 770.00	\$ 248,710.00	\$ 750.00	\$ 242,250.00
D-752-2	Reinforced Concrete Headwall	2	Each	\$ 5,000.00	\$ 10,000	\$ 4,010.00	\$ 8,020.00	\$ 15,000.00	\$ 30,000.00	\$ 5,000.00	\$ 10,000.00	\$ 6,500.00	\$ 13,000.00	\$ 9,050.00	\$ 18,100.00	\$ 15,000.00	\$ 30,000.00
D-752-3	Concrete Cut-Off Wall	2	Each	\$ 5,000.00	\$ 10,000	\$ 1,740.00	\$ 3,480.00	\$ 3,000.00	\$ 6,000.00	\$ 2,000.00	\$ 4,000.00	\$ 1,200.00	\$ 2,400.00	\$ 2,475.00	\$ 4,950.00	\$ 5,000.00	\$ 10,000.00
D-760-1	12-inch AWWA C-900 Class 150 PVC Waterline	120	L.F.	\$ 80.00	\$ 9,600	\$ 68.00	\$ 8,160.00	\$ 95.00	\$ 11,400.00	\$ 30.00	\$ 3,600.00	\$ 47.00	\$ 5,640.00	\$ 51.00	\$ 6,120.00	\$ 55.00	\$ 6,600.00
D-760-2	1-inch Polyethylene Water Service Line	210	L.F.	\$ 10.00	\$ 2,100	\$ 40.00	\$ 8,400.00	\$ 50.00	\$ 10,500.00	\$ 5.00	\$ 1,050.00	\$ 24.00	\$ 5,040.00	\$ 16.70	\$ 3,507.00	\$ 30.00	\$ 6,300.00
D-760-3	Relocate Fire Hydrant	1	L.S.	\$ 2,000.00	\$ 2,000	\$ 3,050.00	\$ 3,050.00	\$ 1,700.00	\$ 1,700.00	\$ 2,000.00	\$ 2,000.00	\$ 7,000.00	\$ 7,000.00	\$ 3,500.00	\$ 3,500.00	\$ 2,600.00	\$ 2,600.00
D-760-4	Remove Fire Hydrant	1	L.S.	\$ 2,000.00	\$ 2,000	\$ 4,070.00	\$ 4,070.00	\$ 1,000.00	\$ 1,000.00	\$ 500.00	\$ 500.00	\$ 2,100.00	\$ 2,100.00	\$ 700.00	\$ 700.00	\$ 500.00	\$ 500.00
D-760-6	Adjust Water Valve Box to Finished Grade	3	Each	\$ 500.00	\$ 1,500	\$ 965.00	\$ 2,895.00	\$ 700.00	\$ 2,100.00	\$ 500.00	\$ 1,500.00	\$ 600.00	\$ 1,800.00	\$ 340.00	\$ 1,020.00	\$ 500.00	\$ 1,500.00
D-760-7	1-inch Curb Stop w/ Valve Cover	2	Each	\$ 100.00	\$ 200	\$ 500.00	\$ 1,000.00	\$ 2,000.00	\$ 4,000.00	\$ 500.00	\$ 1,000.00	\$ 1,050.00	\$ 2,100.00	\$ 890.00	\$ 1,780.00	\$ 250.00	\$ 500.00
D-760-8	2-inch Spring Ball Valve	1	Each	\$ 100.00	\$ 100	\$ 965.00	\$ 965.00	\$ 5,000.00	\$ 5,000.00	\$ 100.00	\$ 100.00	\$ 1,500.00	\$ 1,500.00	\$ 880.00	\$ 880.00	\$ 150.00	\$ 150.00
F-162-1	6' Chain Link Fence	134	L.F.	\$ 16.00	\$ 2,144	\$ 24.00	\$ 3,216.00	\$ 35.00	\$ 4,690.00	\$ 20.00	\$ 2,680.00	\$ 15.00	\$ 2,010.00	\$ 40.00	\$ 5,360.00	\$ 30.00	\$ 4,020.00
F-162-2	6' Wide Chain Link Swing Gate	1	Each	\$ 1,000.00	\$ 1,000	\$ 3,165.00	\$ 3,165.00	\$ 1,000.00	\$								

CARSON CITY AIRPORT

REHABILITATE and REALIGN RUNWAY 9/27 and TAXIWAY A AND CONSTRUCT TAXIWAY D

PRELIMINARY COST ESTIMATE

05/18/09

ITEM	DESCRIPTION	ENGINEERS ESTIMATE				EI CAMINO CONSTRUCTION		GRANITE CONSTRUCTION		ROAD AND HIGHWAY BUILDERS		SIERRA NEVADA CONSTRUCTION		A&K EARTHMOVERS		Q&D CONSTRUCTION	
		QTY.	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
L-125-17	L-858 Sign - RDR	4	EA	\$ 4,500.00	\$ 18,000	\$ 2,350.00	\$ 9,400.00	\$ 2,200.00	\$ 8,800.00	\$ 3,000.00	\$ 12,000.00	\$ 2,315.00	\$ 9,260.00	\$ 2,250.00	\$ 9,000.00	\$ 400.00	\$ 1,600.00
L-125-18	L-858C Sign - Taxiway End Marker	1	EA	\$ 7,500.00	\$ 7,500	\$ 1,300.00	\$ 1,300.00	\$ 1,800.00	\$ 1,800.00	\$ 2,300.00	\$ 2,300.00	\$ 1,860.00	\$ 1,860.00	\$ 1,810.00	\$ 1,810.00	\$ 2,700.00	\$ 2,700.00
L-125-19	L-849I Runway End Identifier Light (REIL), LED	2	EA	\$ 12,000.00	\$ 24,000	\$ 14,050.00	\$ 28,100.00	\$ 22,000.00	\$ 44,000.00	\$ 17,000.00	\$ 34,000.00	\$ 22,650.00	\$ 45,300.00	\$ 22,000.00	\$ 44,000.00	\$ 15,000.00	\$ 30,000.00
L-125-20	L-881 Precision Approach Path Indicator (PAPI)	2	EA	\$ 18,000.00	\$ 36,000	\$ 13,800.00	\$ 27,600.00	\$ 17,000.00	\$ 34,000.00	\$ 16,000.00	\$ 32,000.00	\$ 17,300.00	\$ 34,600.00	\$ 16,800.00	\$ 33,600.00	\$ 17,000.00	\$ 34,000.00
L-125-21	Power to Airfield Lighting Vault	1	LS	\$ 15,000.00	\$ 15,000	\$ 28,400.00	\$ 28,400.00	\$ 12,000.00	\$ 12,000.00	\$ 10,000.00	\$ 10,000.00	\$ 13,000.00	\$ 13,000.00	\$ 12,600.00	\$ 12,600.00	\$ 14,000.00	\$ 14,000.00
L-125-22	Nevada Energy Fees & Installation	1	AL	\$ 40,000.00	\$ 40,000	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00
L-126-1	L-829 Constant Current Regulator, 20KW	1	EA	\$ 22,000.00	\$ 22,000	\$ 13,700.00	\$ 13,700.00	\$ 16,000.00	\$ 16,000.00	\$ 15,000.00	\$ 15,000.00	\$ 16,770.00	\$ 16,770.00	\$ 16,300.00	\$ 16,300.00	\$ 17,000.00	\$ 17,000.00
L-126-2	L-829 Constant Current Regulator, 30KW	2	EA	\$ 26,000.00	\$ 52,000	\$ 16,600.00	\$ 33,200.00	\$ 20,000.00	\$ 40,000.00	\$ 18,000.00	\$ 36,000.00	\$ 21,000.00	\$ 42,000.00	\$ 20,400.00	\$ 40,800.00	\$ 20,000.00	\$ 40,000.00
L-126-3	Airfield Lighting Control System - Radio Controller	1	EA	\$ 5,000.00	\$ 5,000	\$ 3,500.00	\$ 3,500.00	\$ 4,000.00	\$ 4,000.00	\$ 3,000.00	\$ 3,000.00	\$ 4,725.00	\$ 4,725.00	\$ 4,590.00	\$ 4,590.00	\$ 4,000.00	\$ 4,000.00
L-126-4	Precast Concrete Building - 26' x 12'	1	LS	\$ 75,000.00	\$ 75,000	\$ 55,000.00	\$ 55,000.00	\$ 80,000.00	\$ 80,000.00	\$ 100,000.00	\$ 100,000.00	\$ 81,000.00	\$ 81,000.00	\$ 81,000.00	\$ 81,000.00	\$ 60,000.00	\$ 60,000.00
L-126-5	Electrical Equipment Inside Airfield Lighting Vault	1	LS	\$ 50,000.00	\$ 50,000	\$ 44,500.00	\$ 44,500.00	\$ 23,000.00	\$ 23,000.00	\$ 50,000.00	\$ 50,000.00	\$ 24,000.00	\$ 24,000.00	\$ 23,310.00	\$ 23,310.00	\$ 28,000.00	\$ 28,000.00
S-19-1	Aviation Fuel Storage and Dispensing System	1	LS	\$ 250,000.00	\$ 250,000	\$ 400,000.00	\$ 400,000.00	\$ 380,000.00	\$ 380,000.00	\$ 150,000.00	\$ 150,000.00	\$ 325,000.00	\$ 325,000.00	\$ 335,000.00	\$ 335,000.00	\$ 400,000.00	\$ 400,000.00
BASE BID TOTAL					\$ 8,507,119		\$ 5,124,808.50		\$ 7,483,441.80		\$ 6,950,000.00		\$ 7,847,380.00		\$ 8,197,470.00		\$ 11,147,900.10
P-209-1-O1	6-inch Aggregate Base Course	162,676	S.Y.	\$ 7.00	\$ 1,138,732	\$ 7.00	\$ 1,138,732.00	\$ 3.20	\$ 520,563.20	\$ 10.00	\$ 1,626,760.00	\$ 4.00	\$ 650,704.00	\$ 6.70	\$ 1,089,929.20	\$ 6.90	\$ 1,122,464.40
P-401-1-O1	4-inch Plant Mix Bituminous Pavement w/ Fog Seal	158,158	S.Y.	\$ 23.00	\$ 3,637,634	\$ 21.00	\$ 3,321,318.00	\$ 10.00	\$ 1,581,580.00	\$ 14.00	\$ 2,214,212.00	\$ 18.50	\$ 2,925,923.00	\$ 21.50	\$ 3,400,397.00	\$ 16.90	\$ 2,672,870.20
BASE BID + OPTION 1 TOTAL					\$ 13,283,485		\$ 9,584,858.50		\$ 9,585,850.00		\$ 10,790,972.00		\$ 11,424,007.00		\$ 12,687,796.20		\$ 14,943,234.70
OPTION 2: MATERIAL PRODUCED OFFSITE																	
P-209-1-O2	6-inch Aggregate Base Course	162,676	S.Y.	\$ 9.00	\$ 1,464,084	\$ 8.00	\$ 1,301,408.00	\$ 4.50	\$ 732,042.00	\$ 8.35	\$ 1,358,344.60	\$ 4.00	\$ 650,704.00	\$ 5.75	\$ 935,387.00	\$ 6.90	\$ 1,122,464.40
P-401-1-O2	4-inch Plant Mix Bituminous Pavement w/ Fog Seal	158,158	S.Y.	\$ 28.00	\$ 4,428,424	\$ 21.00	\$ 3,321,318.00	\$ 15.00	\$ 2,372,370.00	\$ 12.00	\$ 1,897,896.00	\$ 18.50	\$ 2,925,923.00	\$ 18.00	\$ 2,846,844.00	\$ 16.90	\$ 2,672,870.20
BASE BID + OPTION 2 TOTAL					\$ 14,399,627		\$ 9,747,534.50		\$ 10,587,853.80		\$ 10,206,240.60		\$ 11,424,007.00		\$ 11,979,701.00		\$ 14,943,234.70
OPTION 3: AGGREGATE BASE PRODUCED ONSITE & ASPHALT CONCRETE PRODUCED OFFSITE																	
P-209-1-O3	6-inch Aggregate Base Course	162,676	S.Y.	\$ 7.00	\$ 1,138,732	\$ 7.00	\$ 1,138,732.00	\$ 3.20	\$ 520,563.20	\$ 9.30	\$ 1,512,886.80	\$ 4.00	\$ 650,704.00	\$ 6.70	\$ 1,089,929.20	\$ 6.90	\$ 1,122,464.40
P-401-1-O3	4-inch Plant Mix Bituminous Pavement w/ Fog Seal	158,158	S.Y.	\$ 28.00	\$ 4,428,424	\$ 21.00	\$ 3,321,318.00	\$ 15.00	\$ 2,372,370.00	\$ 13.00	\$ 2,056,054.00	\$ 18.50	\$ 2,925,923.00	\$ 18.00	\$ 2,846,844.00	\$ 16.90	\$ 2,672,870.20
BASE BID + OPTION 3 TOTAL					\$ 14,074,275		\$ 9,584,858.50		\$ 10,376,375.00		\$ 10,518,940.80		\$ 11,424,007.00		\$ 12,134,243.20		\$ 14,943,234.70
OPTION 4: ASPHALT CONCRETE PRODUCED ONSITE & AGGREGATE BASE PRODUCED OFFSITE																	
P-209-1-O4	6-inch Aggregate Base Course	162,676	S.Y.	\$ 9.00	\$ 1,464,084	\$ 8.00	\$ 1,301,408.00	\$ 4.50	\$ 732,042.00	\$ 8.10	\$ 1,317,675.60	\$ 4.00	\$ 650,704.00	\$ 5.75	\$ 935,387.00	\$ 6.90	\$ 1,122,464.40
P-401-1-O4	4-inch Plant Mix Bituminous Pavement w/ Fog Seal	158,158	S.Y.	\$ 23.00	\$ 3,637,634	\$ 21.00	\$ 3,321,318.00	\$ 10.00	\$ 1,581,580.00	\$ 15.00	\$ 2,372,370.00	\$ 18.50	\$ 2,925,923.00	\$ 21.50	\$ 3,400,397.00	\$ 16.90	\$ 2,672,870.20
BASE BID + OPTION 4 TOTAL					\$ 13,608,837		\$ 9,747,534.50		\$ 9,797,063.80		\$ 10,640,045.60		\$ 11,424,007.00		\$ 12,533,254.00		\$ 14,943,234.70
DEDUCTIVE ALTERNATIVE 1: ELIMINATE MEDIUM INTENSITY TAXIWAY LIGHTING AND INSTALL RETROREFLECTIVE MARKERS																	
Items to be subtracted from the base bid:																	
L-108-1-D1	No. 8 AWG, L-824C Cable, Installed in Conduit	-37,500	LF	\$ 1.50	\$ (56,250)	\$ 0.80	\$ (30,000.00)	\$ 1.00	\$ (37,500.00)	\$ 0.80	\$ (30,000.00)	\$ 1.05	\$ (39,375.00)	\$ 1.00	\$ (37,500.00)	\$ 1.10	\$ (41,250.00)
L-108-3-D1	No. 6 AWG, Bare Solid Counterpoise Wire, Installed in Trench, Including Ground Rods and Exothermic Ground Connectors	-35,300	LF	\$ 2.00	\$ (70,600)	\$ 0.65	\$ (22,945.00)	\$ 1.90	\$ (67,070.00)	\$ 0.80	\$ (28,240.00)	\$ 1.95	\$ (68,835.00)	\$ 1.90	\$ (67,070.00)	\$ 1.30	\$ (45,890.00)
L-110-1-D1	1 Way 2" Schedule 40 PVC, Direct Earth Buried	-35,300	LF	\$ 8.00	\$ (282,400)	\$ 5.25	\$ (185,325.00)	\$ 4.00	\$ (141,200.00)	\$ 2.00	\$ (70,600.00)	\$ 4.10	\$ (144,730.00)	\$ 5.00	\$ (176,500.00)	\$ 5.00	\$ (176,500.00)
L-125-11-D1	L-861T Elevated Taxiway Edge Light (LED)	-441	EA	\$ 1,200.00	\$ (529,200)	\$ 760.00	\$ (335,160.00)	\$ 780.00	\$ (343,980.00)	\$ 900.00	\$ (396,900.00)	\$ 700.00	\$ (308,700.00)	\$ 780.00	\$ (343,980.00)	\$ 900.00	\$ (396,900.00)
L-125-14-D1	L-858 Sign - 2 Modules	-13	EA	\$ 5,500.00	\$ (71,500)	\$ 2,780.00	\$ (36,140.00)	\$ 2,430.00	\$ (31,590.00)	\$ 3,300.00	\$ (42,900.00)	\$ 2,500.00	\$ (32,500.00)	\$ 2,430.00	\$ (31,590.00)	\$ 3,500.00	\$ (45,500.00)
L-125-15-D1	L-858 Sign - 3 Modules	-18	EA	\$ 6,500.00	\$ (117,000)	\$ 4,343.00	\$ (58,174.00)	\$ 3,270.00	\$ (58,860.00)	\$ 4,000.00	\$ (72,000.00)	\$ 3,365.00	\$ (60,570.00)	\$ 3,270.00	\$ (58,860.00)	\$ 4,300.00	\$ (77,400.00)
L-126-2-D1	L-829 Constant Current Regulator, 30KW	-1	EA	\$ 26,000.00	\$ (26,000)	\$ 16,600.00	\$ (16,600.00)	\$ 20,400.00	\$ (20,400.00)	\$ 18,000.00	\$ (18,000.00)	\$ 21,000.00	\$ (21,000.00)	\$ 20,400.00	\$ (20,400.00)	\$ 18,500.00	\$ (18,500.00)
Items to be added to the base bid:																	
P-100-1-D1	Mobilization/Demobilization	1	L.S.	\$ 26,800.00	\$ 26,800	\$ 14,000.00	\$ 14,000.00	\$ 100.00	\$ 100.00	\$ 1,000.00	\$ 1,000.00	\$ 1.00	\$ 1.00	\$ 8,500.00	\$ 8,500.00	\$ 1.00	\$ 1.00
L-125-12-D1	L-853 Retroreflective Markers	441	EA	\$ 150.00	\$ 66,150	\$ 58.00	\$ 25,578.00	\$ 75.60	\$ 33,339.60	\$ 60.00	\$ 26,460.00	\$ 78.00	\$ 34,398.00	\$ 76.00	\$ 33,516.00	\$ 60.00	\$ 26,460.00
DEDUCTIVE ALTERNATIVE 1 TOTAL					\$ (1,060,000)		\$ (664,766.00)		\$ (667,160.40)		\$ (631,180.00)		\$ (641,311.00)		\$ (693,884.00)		\$ (775,479.00)
DEDUCTIVE ALTERNATIVE 2: ELIMINATE THE CONNECTION FROM RUNWAY 9 TO TAXIWAY C AND THE NORTH APRON																	
Items to be subtracted from the base bid:																	
P-104-1-D2	Pavement Removal	-8364	S.Y.	\$ 5.00	\$ (41,820)	\$ 0.50	\$ (4,182.00)	\$ 0.60	\$ (5,018.40)	\$ 1.00	\$ (8,364.00)	\$ 1.65	\$ (13,800.60)	\$ 1.55	\$ (12,964.20)	\$ 0.90	\$ (7,527.60)
P-151-1-D2	Clearing and Grubbing	-0.3	Acres	\$ 1,400.00	\$ (420)	\$ 740.00	\$ (518.00)	\$ 800.00	\$ (240.00)	\$ 1,000.00	\$ (300.00)	\$ 1,200.00	\$ (360.00)	\$ 2,535.00	\$ (760.50)	\$ 2,200.00	\$ (660.00)
P-152-1-D2	Unclassified Excavation and Embankment	-1	L.S.	\$ 16,500.00	\$ (16,500)	\$ 5,700.00	\$ (5,700.00)	\$ 6,000.00	\$ (6,000.00)	\$ 10,000.00	\$ (10,000.00)	\$ 31,700.00	\$ (31,700.00)	\$ 55,000.00	\$ (55,000.00)	\$ 55,000.00	\$ (55,000.00)
P-152-2-D2	Overexcavation of Unsuitable Soils and Backfill w/ Suitable	-500	C.Y.	\$ 30.00	\$ (15,000)	\$ 2.00	\$ (1,000.00)	\$ 3.50	\$ (1,750.00)	\$ 2.00	\$ (1,000.00)	\$ 0.01	\$ (5.00)	\$ 21.00	\$ (10,500.00)	\$ 2.00	\$ (1,000.00)
P-156-1-D2	Temporary Air and Water Pollution, Soil, Erosion and Siltation Control	-1	L.S.	\$ 5,000.00	\$ (5,000)	\$ 10,000.00	\$ (10,000.00)	\$ 1,000.00	\$ (1,000.00)	\$ 1,000.00	\$ (1,000.00)	\$ 1.00	\$ (1.00)	\$ 2,165.00	\$ (2,165.00)	\$ 5,000.00	\$ (5,000.00)
P-611-1-D2	Asphalt Concrete Control Joints	-8906	L.F.	\$ 7.50	\$ (66,795)	\$ 1.50	\$ (13,359.00)	\$ 1.25	\$ (11,132.50)	\$ 1.00	\$ (8,906.00)	\$ 1.25	\$ (11,132.50)	\$ 1.18	\$ (10,509.00)	\$ 1.20	\$ (10,687.20)
P-620-1-D2	6-inch Solid Yellow Stripe	-1406	L.F.	\$ 0.50	\$ (703)	\$ 0.75	\$ (1,054.50)	\$ 0.40	\$ (562.40)	\$ 0.18	\$ (253.08)	\$ 0.45	\$ (632.70)	\$ 0.40	\$ (562.40)	\$ 0.20	\$ (281.20)
P-620-4-D2	Intermediate Holding Position Marking	-215	L.F.	\$ 2.00	\$ (430)	\$ 1.00	\$ (215.00)	\$ 0.40	\$ (86.00)	\$ 0.60	\$ (129.00)	\$ 0.45	\$ (96.75)	\$ 0.40	\$ (86.00)	\$ 0.20	\$ (43.00)
P-620-5-D2	Yellow Holding Position Marking	-70	L.F.	\$ 3.00	\$ (210)	\$ 3.00	\$ (210.00)	\$ 2.00	\$ (140.00)	\$ 3.00	\$ (210.00)	\$ 2.20	\$ (154.00)	\$ 2.00	\$ (140.00)	\$ 1.50	\$ (105.00)
D-701-5-D2	18-inch RCP Class III	-150	L.F.	\$ 75.00	\$ (11,250)	\$ 75.00	\$ (11,250.00)	\$ 60.00	\$ (9,000.00)	\$ 20.00	\$ (3,000.00)	\$ 50.00	\$ (7,500.00)	\$ 55.00	\$ (8,250.00)	\$ 55.00	\$ (8,250.00)
D-701-6-D2	18-inch RCP End Section	-2	Each	\$ 375.00	\$ (750)	\$ 1,940.00	\$ (3,880.00)	\$ 600.00	\$ (1,200.00)	\$ 500.00	\$ (1,000.00)	\$ 815.00	\$ (1,630.00)	\$ 675.00	\$ (1,350.00)	\$ 650.00	\$ (1,30

CARSON CITY AIRPORT

REHABILITATE and REALIGN RUNWAY 9/27 and TAXIWAY A AND CONSTRUCT TAXIWAY D

PRELIMINARY COST ESTIMATE

05/18/09

ITEM	DESCRIPTION	ENGINEERS ESTIMATE				EI CAMINO CONSTRUCTION		GRANITE CONSTRUCTION		ROAD AND HIGHWAY BUILDERS		SIERRA NEVADA CONSTRUCTION		A&K EARTHMOVERS		Q&D CONSTRUCTION	
		QTY.	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
P-209-1-D2-O3	6-inch Aggregate Base Course (Deductive Quantity)	-10,224	S.Y.	7.00	(71,568)	7.00	(71,568.00)	3.20	(32,716.80)	7.00	(71,568.00)	4.00	(40,896.00)	6.00	(61,344.00)	6.90	(70,545.60)
P-209-1-D2-O3	6-inch Aggregate Base Course (Additive Quantity)	263	S.Y.	7.00	1,841	7.00	1,841.00	3.20	841.60	7.00	1,841.00	4.00	1,052.00	10.00	2,630.00	6.90	1,814.70
P-401-1-D2-O3	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Deductive Quantity)	-9,963	S.Y.	28.00	(278,964)	21.00	(209,223.00)	15.00	(149,445.00)	13.00	(129,519.00)	18.50	(184,315.50)	17.00	(169,371.00)	16.90	(168,374.70)
P-401-1-D2-O3	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Additive Quantity)	270	S.Y.	28.00	7,560	21.00	5,670.00	15.00	4,050.00	13.00	3,510.00	18.50	4,995.00	39.00	10,530.00	16.90	4,563.00
DEDUCTIVE ALTERNATIVE 2 + OPTION 3 TOTAL					(554,828)		(383,867.50)		(273,790.50)		(273,220.08)		(341,383.30)		(370,352.18)		(369,363.60)
OPTION 4: ASPHALT CONCRETE PRODUCED ONSITE & AGGREGATE BASE PRODUCED OFFSITE																	
P-209-1-D2-O4	6-inch Aggregate Base Course (Deductive Quantity)	-10,224	S.Y.	9.00	(92,016)	7.00	(71,568.00)	4.50	(46,008.00)	7.00	(71,568.00)	4.00	(40,896.00)	5.50	(56,232.00)	6.90	(70,545.60)
P-209-1-D2-O4	6-inch Aggregate Base Course (Additive Quantity)	263	S.Y.	9.00	2,367	8.00	2,104.00	4.50	1,835.50	7.00	1,841.00	4.00	1,052.00	9.00	2,367.00	6.90	1,814.70
P-401-1-D2-O4	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Deductive Quantity)	-9,963	S.Y.	23.00	(229,149)	21.00	(209,223.00)	10.00	(99,630.00)	13.00	(129,519.00)	18.50	(184,315.50)	19.00	(189,297.00)	16.90	(168,374.70)
P-401-1-D2-O4	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Additive Quantity)	270	S.Y.	23.00	6,210	21.00	5,670.00	10.00	2,700.00	13.00	3,510.00	18.50	4,995.00	30.00	8,100.00	16.90	4,563.00
DEDUCTIVE ALTERNATIVE 2 + OPTION 4 TOTAL					(526,285)		(383,604.50)		(238,274.80)		(273,220.08)		(341,383.30)		(387,859.18)		(369,363.60)
DEDUCTIVE ALTERNATIVE 3: ELIMINATE TAXIWAY D AND ITS ASSOCIATED CONNECTORS TO RUNWAY 9/27																	
Items to be subtracted from the base bid:																	
P-151-1-D3	Clearing and Grubbing	-1.73	Acres	1,400.00	(2,422)	740.00	(1,280.20)	800.00	(1,384.00)	1,000.00	(1,730.00)	1,200.00	(2,076.00)	1,320.00	(2,283.60)	2,200.00	(3,806.00)
P-152-1-D3	Unclassified Excavation and Embankment	-1	L.S.	7,200.00	(7,200)	25,000.00	(25,000.00)	20,000.00	(20,000.00)	20,000.00	(20,000.00)	143,800.00	(143,800.00)	60,000.00	(60,000.00)	500,000.00	(500,000.00)
P-152-2-D3	Overexcavation of Unsuitable Soils and Backfill w/ Suitable	-1,880	C.Y.	30.00	(56,400)	2.00	(3,760.00)	3.50	(6,580.00)	2.00	(3,760.00)	0.01	(18.80)	19.90	(37,412.00)	2.00	(3,760.00)
P-611-1-D3	Asphalt Concrete Control Joints	-13,398	L.F.	7.50	(100,485)	1.50	(20,097.00)	1.25	(16,747.50)	1.00	(13,398.00)	1.25	(16,747.50)	1.16	(15,541.68)	1.20	(16,077.60)
P-620-1-D3	6-inch Solid Yellow Stripe	-5,642	L.F.	0.50	(2,821)	0.75	(4,231.50)	0.40	(2,256.80)	0.18	(1,015.56)	0.45	(2,538.90)	0.40	(2,256.80)	0.20	(1,128.40)
P-620-4-D3	Intermediate Holding Position Marking	-210	L.F.	2.00	(420)	1.00	(210.00)	0.40	(84.00)	0.50	(105.00)	0.45	(94.50)	0.40	(84.00)	0.20	(42.00)
P-620-5-D3	Yellow Holding Position Marking	-130	L.F.	3.00	(390)	3.00	(900.00)	2.00	(600.00)	1.00	(300.00)	2.20	(660.00)	2.00	(600.00)	1.50	(450.00)
D-701-9-D3	30-inch RCP Class III	-300	L.F.	125.00	(37,500)	92.00	(27,600.00)	95.00	(28,500.00)	50.00	(15,000.00)	74.00	(22,200.00)	98.00	(29,400.00)	70.00	(21,000.00)
D-701-10-D3	30-inch RCP End Section	-4	Each	625.00	(2,500)	2,320.00	(9,280.00)	1,100.00	(4,400.00)	1,000.00	(4,000.00)	1,450.00	(5,800.00)	1,200.00	(4,800.00)	1,500.00	(6,000.00)
D-703-1-D3	24" Thick Rock Rip Rap	-400	S.F.	10.00	(4,000)	4.00	(1,600.00)	1.50	(600.00)	3.00	(1,200.00)	2.50	(1,000.00)	4.25	(1,700.00)	4.00	(1,600.00)
T-901-1-D3	Hydroseeding	-1.1	Acres	1,500.00	(1,650)	900.00	(990.00)	700.00	(770.00)	500.00	(550.00)	770.00	(847.00)	815.00	(896.50)	1,000.00	(1,100.00)
L-110-2-D3	1 Way 2" Schedule 40 PVC, Concrete Encased	-70	LF	12.00	(840)	5.25	(367.50)	9.50	(665.00)	3.00	(210.00)	9.75	(682.50)	9.50	(665.00)	10.00	(700.00)
L-110-3-D3	4 Way 2" Schedule 40 PVC, Direct Earth Buried	-200	LF	18.00	(3,600)	17.45	(3,490.00)	15.00	(3,000.00)	8.00	(1,600.00)	15.45	(3,090.00)	15.00	(3,000.00)	15.00	(3,000.00)
L-110-4-D3	4 Way 2" Schedule 40 PVC, Concrete Encased	-270	LF	30.00	(8,100)	21.00	(5,670.00)	28.00	(7,560.00)	20.00	(5,400.00)	28.75	(7,762.50)	28.00	(7,560.00)	25.00	(6,750.00)
L-115-1-D3	Electric Handhole	-8	EA	8,000.00	(64,000)	6,560.00	(52,480.00)	8,000.00	(64,000.00)	7,200.00	(57,600.00)	8,230.00	(65,840.00)	8,000.00	(64,000.00)	7,000.00	(56,000.00)
L-125-12-D3	L-853 Retroreflective Markers	-84	EA	150.00	(12,600)	58.00	(4,872.00)	75.60	(6,350.40)	50.00	(4,000.00)	78.00	(6,552.00)	75.00	(6,300.00)	10.00	(840.00)
L-125-14-D3	L-858 Sign - 2 Modules	-1	EA	5,500.00	(5,500)	2,780.00	(2,780.00)	2,430.00	(2,430.00)	3,300.00	(3,300.00)	2,500.00	(2,500.00)	2,430.00	(2,430.00)	3,500.00	(3,500.00)
L-125-15-D3	L-858 Sign - 3 Modules	-1	EA	6,500.00	(6,500)	4,343.00	(4,343.00)	3,270.00	(3,270.00)	4,000.00	(4,000.00)	3,365.00	(3,365.00)	3,270.00	(3,270.00)	4,500.00	(4,500.00)
Items to be added to the base bid:																	
P-100-1-D3	Mobilization/Demobilization	1	L.S.	27,713.00	27,713	7,100.00	7,100.00	100.00	100.00	1,000.00	1,000.00	1.00	1.00	2,860.00	2,860.00	1.00	1.00
D-701-9-D3	30-inch RCP Class III	100	L.F.	125.00	12,500	92.00	9,200.00	95.00	9,500.00	50.00	5,000.00	74.00	7,400.00	100.00	10,000.00	70.00	7,000.00
D-701-10-D3	30-inch RCP End Section	2	Each	625.00	1,250	2,320.00	4,640.00	1,100.00	2,200.00	1,000.00	2,000.00	1,450.00	2,900.00	1,200.00	2,400.00	1,500.00	3,000.00
D-703-1-D3	24" Thick Rock Rip Rap	200	S.F.	10.00	2,000	4.00	800.00	1.50	300.00	3.00	1,000.00	2.50	500.00	4.50	900.00	4.00	800.00
L-125-18-D3	L-858C Sign - Taxiway End Marker	3	EA	7,500.00	22,500	1,255.00	3,765.00	1,810.00	5,430.00	10.00	30.00	1,860.00	5,580.00	2,040.00	6,120.00	1,600.00	4,800.00
DEDUCTIVE ALTERNATIVE 3 TOTAL					(250,965)		(142,936.20)		(151,327.70)		(128,819.56)		(268,819.70)		(219,579.58)		(614,398.00)
OPTION 1: MATERIAL PRODUCED ONSITE																	
P-209-1-D3-O1	6-inch Aggregate Base Course (Deductive Quantity)	-23,231	S.Y.	7.00	(162,617)	7.00	(162,617.00)	3.20	(74,339.20)	8.00	(185,848.00)	4.00	(92,924.00)	6.00	(139,386.00)	6.90	(160,293.90)
P-401-1-D3-O1	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Deductive Quantity)	-22,427	S.Y.	23.00	(515,821)	21.00	(470,967.00)	10.00	(224,270.00)	14.00	(313,978.00)	18.50	(414,899.50)	19.00	(426,113.00)	16.90	(379,016.30)
DEDUCTIVE ALTERNATIVE 3 + OPTION 1 TOTAL					(929,403)		(776,520.20)		(449,936.90)		(627,994.56)		(776,643.20)		(785,078.58)		(1,153,708.20)
OPTION 2: MATERIAL PRODUCED OFFSITE																	
P-209-1-D3-O2	6-inch Aggregate Base Course (Deductive Quantity)	-23,231	S.Y.	9.00	(209,079)	8.00	(185,848.00)	4.50	(104,539.50)	7.00	(162,617.00)	4.00	(92,924.00)	5.30	(123,124.30)	6.90	(160,293.90)
P-401-1-D3-O2	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Deductive Quantity)	-22,427	S.Y.	28.00	(627,956)	21.00	(470,967.00)	15.00	(336,405.00)	13.00	(291,551.00)	18.50	(414,899.50)	17.50	(392,472.50)	16.90	(379,016.30)
DEDUCTIVE ALTERNATIVE 3 + OPTION 2 TOTAL					(1,088,956)		(592,272.20)		(582,336.56)		(582,336.56)		(776,643.20)		(735,176.38)		(1,153,708.20)
OPTION 3: AGGREGATE BASE PRODUCED ONSITE & ASPHALT CONCRETE PRODUCED OFFSITE																	
P-209-1-D3-O3	6-inch Aggregate Base Course (Deductive Quantity)	-23,231	S.Y.	7.00	(162,617)	7.00	(162,617.00)	3.20	(74,339.20)	7.00	(162,617.00)	4.00	(92,924.00)	6.00	(139,386.00)	6.90	(160,293.90)
P-401-1-D3-O3	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Deductive Quantity)	-22,427	S.Y.	28.00	(627,956)	21.00	(470,967.00)	15.00	(336,405.00)	13.00	(291,551.00)	18.50	(414,899.50)	17.50	(392,472.50)	16.90	(379,016.30)
DEDUCTIVE ALTERNATIVE 3 + OPTION 3 TOTAL					(1,041,538)		(776,520.20)		(562,071.90)		(582,336.56)		(776,643.20)		(751,438.08)		(1,153,708.20)
OPTION 4: ASPHALT CONCRETE PRODUCED ONSITE & AGGREGATE BASE PRODUCED OFFSITE																	
P-209-1-D3-O4	6-inch Aggregate Base Course (Deductive Quantity)	-23,231	S.Y.	9.00	(209,079)	8.00	(185,848.00)	4.50	(104,539.50)	7.00	(162,617.00)	4.00	(92,924.00)	5.30	(123,124.30)	6.90	(160,293.90)
P-401-1-D3-O4	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Deductive Quantity)	-22,427	S.Y.	23.00	(515,821)	21.00	(470,967.00)	10.00	(224,270.00)	13.00	(291,551.00)	18.50	(414,899.50)	19.00	(426,113.00)	16.90	(379,016.30)
DEDUCTIVE ALTERNATIVE 3 + OPTION 4 TOTAL					(975,865)		(799,751.20)		(480,137.20)		(582,336.56)		(776,643.20)		(768,816.88)		(1,153,708.20)
DEDUCTIVE ALTERNATIVE 4: ELIMINATE TAXIWAY A EAST OF TAXIWAY B AND ITS ASSOCIATED CONNECTORS TO RUNWAY 9/27																	
Items to be subtracted from the base bid:																	
P-104-1-D4	Pavement Removal	-16710	S.Y.	5.00	(83,550)	0.50	(8,355.00)	0.60	(10,026.00)	1.00	(16,710.00)	1.65	(27,571.50)	1.55	(25,900.50)	0.90	(15,039.00)
P-151-1-D4	Clearing and Grubbing	-4.2	Acres	1,400.00	(5,880)	740.00	(3,108.00)	700.00	(2,940.00)	1,000.00	(4,200.00)	1,200.00	(5,040.00)	1,340.00	(5,628.00)	2,200.00	(9,240.00)
P-152-1-D4	Unclassified Excavation and Embankment	-1	L.S.	1,250,000.00	(1,250,000)	90,000.00	(90,000.00)	20,000.00	(20,000.00)	160,000.00	(160,000.00)	623,750.00	(623,750.00)	758,290.00	(758,290.00)	1,600,000.00	(1,600,000.00)
P-152-2-D4	Overexcavation of Unsuitable Soils and Backfill w/ Suitable	-5000	C.Y.	30.00	(150,000)	2.00	(10,000.00)	3.50	(17,500.00)	2.00	(10,000.00)	0.01	(50.00)	19			

CARSON CITY AIRPORT

REHABILITATE and REALIGN RUNWAY 9/27 and TAXIWAY A AND CONSTRUCT TAXIWAY D

PRELIMINARY COST ESTIMATE

05/18/09

ITEM	DESCRIPTION	ENGINEERS ESTIMATE				EI CAMINO CONSTRUCTION		GRANITE CONSTRUCTION		ROAD AND HIGHWAY BUILDERS		SIERRA NEVADA CONSTRUCTION		A&K EARTHMOVERS		Q&D CONSTRUCTION	
		QTY.	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
Items to be added to the base bid:																	
P-100-1-D4	Mobilization/Demobilization	1	L.S.	\$ 67,888.00	\$ 67,888	\$ 7,100.00	\$ 7,100.00	\$ 100.00	\$ 100.00	\$ 1,000.00	\$ 1,000.00	\$ 1.00	\$ 1.00	\$ 2,860.00	\$ 2,860.00	\$ 1.00	\$ 1.00
P-152-1-D4	Unclassified Excavation and Embankment	1	L.S.	\$ 60,000.00	\$ 60,000	\$ 81,555.00	\$ 81,555.00	\$ 1.00	\$ 1.00	\$ 60,000.00	\$ 60,000.00	\$ 10,000.00	\$ 10,000.00	\$ 651,000.00	\$ 651,000.00	\$ 1.00	\$ 1.00
P-620-1-D4	6-inch Solid Yellow Stripe	910	L.F.	\$ 0.50	\$ 455	\$ 0.75	\$ 682.50	\$ 0.40	\$ 364.00	\$ 0.60	\$ 546.00	\$ 0.45	\$ 409.50	\$ 0.40	\$ 364.00	\$ 0.40	\$ 364.00
D-701-7-D4	24-inch RCP Class III	150	L.F.	\$ 100.00	\$ 15,000	\$ 83.00	\$ 12,450.00	\$ 95.00	\$ 14,250.00	\$ 40.00	\$ 6,000.00	\$ 66.00	\$ 9,900.00	\$ 80.00	\$ 12,000.00	\$ 60.00	\$ 9,000.00
D-701-8-D4	24-inch RCP End Section	2	Each	\$ 500.00	\$ 1,000	\$ 2,150.00	\$ 4,300.00	\$ 1,100.00	\$ 2,200.00	\$ 500.00	\$ 1,000.00	\$ 1,375.00	\$ 2,750.00	\$ 970.00	\$ 1,940.00	\$ 1,200.00	\$ 2,400.00
D-703-1-D4	24" Thick Rock Rip Rap	200	S.F.	\$ 10.00	\$ 2,000	\$ 4.00	\$ 800.00	\$ 1.50	\$ 300.00	\$ 5.00	\$ 1,000.00	\$ 2.50	\$ 500.00	\$ 4.50	\$ 900.00	\$ 4.00	\$ 800.00
L-110-3-D4	4 Way 2" Schedule 40 PVC, Direct Earth Buried	420	LF	\$ 18.00	\$ 7,560	\$ 17.45	\$ 7,329.00	\$ 15.00	\$ 6,300.00	\$ 8.00	\$ 3,360.00	\$ 15.45	\$ 6,489.00	\$ 15.30	\$ 6,426.00	\$ 20.00	\$ 8,400.00
L-125-18-D4	L-858C Sign - Taxiway End Marker	3	EA	\$ 7,500.00	\$ 22,500	\$ 1,300.00	\$ 3,900.00	\$ 1,810.00	\$ 5,430.00	\$ 3.00	\$ 9.00	\$ 1,860.00	\$ 5,580.00	\$ 2,040.00	\$ 6,120.00	\$ 1,600.00	\$ 4,800.00
DEDUCTIVE ALTERNATIVE 4 TOTAL					\$ (1,699,309)		\$ (261,104.85) *		\$ (238,544.05)		\$ (284,358.00)		\$ (839,550.80)		\$ (357,960.95)		\$ (1,806,066.20)
OPTION 1: MATERIAL PRODUCED ONSITE																	
P-209-1-D4-O1	6-inch Aggregate Base Course (Deductive Quantity)	-32,107	S.Y.	\$ 7.00	\$ (224,749)	\$ 7.00	\$ (224,749.00)	\$ 3.20	\$ (102,742.40)	\$ 7.00	\$ (224,749.00)	\$ 4.00	\$ (128,428.00)	\$ 6.00	\$ (192,642.00)	\$ 6.90	\$ (221,538.30)
P-209-1-D4-O1	6-inch Aggregate Base Course (Additive Quantity)	3460	S.Y.	\$ 7.00	\$ 24,220	\$ 7.00	\$ 24,220.00	\$ 3.20	\$ 11,072.00	\$ 7.00	\$ 24,220.00	\$ 4.00	\$ 13,840.00	\$ 10.00	\$ 34,600.00	\$ 6.90	\$ 23,874.00
P-401-1-D4-O1	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Deductive Quantity)	-31,048	S.Y.	\$ 23.00	\$ (714,104)	\$ 21.00	\$ (652,008.00)	\$ 10.00	\$ (310,480.00)	\$ 13.00	\$ (403,624.00)	\$ 18.50	\$ (574,388.00)	\$ 18.00	\$ (558,864.00)	\$ 16.90	\$ (524,711.20)
P-401-1-D4-O1	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Additive Quantity)	3267	S.Y.	\$ 23.00	\$ 75,141	\$ 21.00	\$ 68,607.00	\$ 10.00	\$ 32,670.00	\$ 13.00	\$ 42,471.00	\$ 18.50	\$ 60,439.50	\$ 30.00	\$ 98,010.00	\$ 16.90	\$ 55,212.30
DEDUCTIVE ALTERNATIVE 4 + OPTION 1 TOTAL					\$ (2,538,801)		\$ (1,045,034.85) *		\$ (608,024.45)		\$ (846,040.00)		\$ (1,468,087.30)		\$ (976,856.95)		\$ (2,473,229.40)
OPTION 2: MATERIAL PRODUCED OFFSITE																	
P-209-1-D4-O2	6-inch Aggregate Base Course (Deductive Quantity)	-32,107	S.Y.	\$ 9.00	\$ (288,963)	\$ 8.00	\$ (256,856.00)	\$ 4.50	\$ (144,481.50)	\$ 7.00	\$ (224,749.00)	\$ 4.00	\$ (128,428.00)	\$ 5.50	\$ (176,588.50)	\$ 6.90	\$ (221,538.30)
P-209-1-D4-O2	6-inch Aggregate Base Course (Additive Quantity)	3460	S.Y.	\$ 9.00	\$ 31,140	\$ 8.00	\$ 27,680.00	\$ 4.50	\$ 15,570.00	\$ 7.00	\$ 24,220.00	\$ 4.00	\$ 13,840.00	\$ 9.00	\$ 31,140.00	\$ 6.90	\$ 23,874.00
P-401-1-D4-O2	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Deductive Quantity)	-31,048	S.Y.	\$ 28.00	\$ (869,344)	\$ 21.00	\$ (652,008.00)	\$ 15.00	\$ (465,720.00)	\$ 13.00	\$ (403,624.00)	\$ 18.50	\$ (574,388.00)	\$ 17.90	\$ (555,759.20)	\$ 16.90	\$ (524,711.20)
P-401-1-D4-O2	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Additive Quantity)	3267	S.Y.	\$ 28.00	\$ 91,476	\$ 21.00	\$ 68,607.00	\$ 15.00	\$ 49,005.00	\$ 13.00	\$ 42,471.00	\$ 18.50	\$ 60,439.50	\$ 28.00	\$ 91,476.00	\$ 16.90	\$ 55,212.30
DEDUCTIVE ALTERNATIVE 4 + OPTION 2 TOTAL					\$ (2,735,000)		\$ (1,073,681.85) *		\$ (784,170.55)		\$ (846,040.00)		\$ (1,468,087.30)		\$ (967,692.65)		\$ (2,473,229.40)
OPTION 3: AGGREGATE BASE PRODUCED ONSITE & ASPHALT CONCRETE PRODUCED OFFSITE																	
P-209-1-D4-O3	6-inch Aggregate Base Course (Deductive Quantity)	-32,107	S.Y.	\$ 7.00	\$ (224,749)	\$ 7.00	\$ (224,749.00)	\$ 3.20	\$ (102,742.40)	\$ 7.00	\$ (224,749.00)	\$ 4.00	\$ (128,428.00)	\$ 6.00	\$ (192,642.00)	\$ 6.90	\$ (221,538.30)
P-209-1-D4-O3	6-inch Aggregate Base Course (Additive Quantity)	3460	S.Y.	\$ 7.00	\$ 24,220	\$ 7.00	\$ 24,220.00	\$ 3.20	\$ 11,072.00	\$ 7.00	\$ 24,220.00	\$ 4.00	\$ 13,840.00	\$ 10.00	\$ 34,600.00	\$ 6.90	\$ 23,874.00
P-401-1-D4-O3	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Deductive Quantity)	-31,048	S.Y.	\$ 28.00	\$ (869,344)	\$ 21.00	\$ (652,008.00)	\$ 15.00	\$ (465,720.00)	\$ 13.00	\$ (403,624.00)	\$ 18.50	\$ (574,388.00)	\$ 17.90	\$ (555,759.20)	\$ 16.90	\$ (524,711.20)
P-401-1-D4-O3	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Additive Quantity)	3267	S.Y.	\$ 28.00	\$ 91,476	\$ 21.00	\$ 68,607.00	\$ 15.00	\$ 49,005.00	\$ 13.00	\$ 42,471.00	\$ 18.50	\$ 60,439.50	\$ 28.00	\$ 91,476.00	\$ 16.90	\$ 55,212.30
DEDUCTIVE ALTERNATIVE 4 + OPTION 3 TOTAL					\$ (2,677,706)		\$ (1,045,034.85) *		\$ (746,929.45)		\$ (846,040.00)		\$ (1,468,087.30)		\$ (980,286.15)		\$ (2,473,229.40)
OPTION 4: ASPHALT CONCRETE PRODUCED ONSITE & AGGREGATE BASE PRODUCED OFFSITE																	
P-209-1-D4-O4	6-inch Aggregate Base Course (Deductive Quantity)	-32,107	S.Y.	\$ 9.00	\$ (288,963)	\$ 8.00	\$ (256,856.00)	\$ 4.50	\$ (144,481.50)	\$ 7.00	\$ (224,749.00)	\$ 4.00	\$ (128,428.00)	\$ 5.50	\$ (176,588.50)	\$ 6.90	\$ (221,538.30)
P-209-1-D4-O4	6-inch Aggregate Base Course (Additive Quantity)	3460	S.Y.	\$ 9.00	\$ 31,140	\$ 8.00	\$ 27,680.00	\$ 4.50	\$ 15,570.00	\$ 7.00	\$ 24,220.00	\$ 4.00	\$ 13,840.00	\$ 9.00	\$ 31,140.00	\$ 6.90	\$ 23,874.00
P-401-1-D4-O4	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Deductive Quantity)	-31,048	S.Y.	\$ 23.00	\$ (714,104)	\$ 21.00	\$ (652,008.00)	\$ 10.00	\$ (310,480.00)	\$ 13.00	\$ (403,624.00)	\$ 18.50	\$ (574,388.00)	\$ 18.00	\$ (558,864.00)	\$ 16.90	\$ (524,711.20)
P-401-1-D4-O4	4-inch Plant Mix Bituminous Pavement w/ Fog Seal (Additive Quantity)	3267	S.Y.	\$ 23.00	\$ 75,141	\$ 21.00	\$ 68,607.00	\$ 10.00	\$ 32,670.00	\$ 13.00	\$ 42,471.00	\$ 18.50	\$ 60,439.50	\$ 30.00	\$ 98,010.00	\$ 16.90	\$ 55,212.30
DEDUCTIVE ALTERNATIVE 4 + OPTION 4 TOTAL					\$ (2,596,095)		\$ (1,073,681.85) *		\$ (645,265.55)		\$ (846,040.00)		\$ (1,468,087.30)		\$ (964,263.45)		\$ (2,473,229.40)
BASE BID + OPTION 1 TOTAL					\$ 13,283,485		\$ 9,584,858.50		\$ 9,585,585.00		\$ 10,790,972.00		\$ 11,424,007.00		\$ 12,687,796.20		\$ 14,943,234.70
BASE BID + OPTION 2 TOTAL					\$ 14,399,627		\$ 9,747,534.50		\$ 10,587,853.80		\$ 10,206,240.60		\$ 11,424,007.00		\$ 11,979,701.00		\$ 14,943,234.70
BASE BID + OPTION 3 TOTAL					\$ 14,074,275		\$ 9,584,858.50		\$ 10,376,375.00		\$ 10,518,940.80		\$ 11,424,007.00		\$ 12,134,243.20		\$ 14,943,234.70
BASE BID + OPTION 4 TOTAL					\$ 13,608,837		\$ 9,747,534.50		\$ 9,797,063.80		\$ 10,640,045.60		\$ 11,424,007.00		\$ 12,533,254.00		\$ 14,943,234.70
DEDUCTIVE ALTERNATIVE 1 TOTAL					\$ (1,060,000)		\$ (664,766.00)		\$ (667,160.40)		\$ (631,180.00)		\$ (641,311.00)		\$ (693,884.00)		\$ (775,479.00)
DEDUCTIVE ALTERNATIVE 2 with OPTION 1 TOTAL					\$ (506,363)		\$ (383,867.50) *		\$ (225,325.50)		\$ (299,376.08)		\$ (341,383.30)		\$ (392,708.18)		\$ (369,363.60)
DEDUCTIVE ALTERNATIVE 2 with OPTION 2 TOTAL					\$ (574,750)		\$ (393,828.50) *		\$ (286,739.80)		\$ (273,220.08)		\$ (341,383.30)		\$ (368,203.18)		\$ (369,363.60)
DEDUCTIVE ALTERNATIVE 2 with OPTION 3 TOTAL					\$ (554,828)		\$ (383,867.50) *		\$ (273,790.50)		\$ (273,220.08)		\$ (341,383.30)		\$ (370,352.18)		\$ (369,363.60)
DEDUCTIVE ALTERNATIVE 2 with OPTION 4 TOTAL					\$ (526,285)		\$ (383,604.50) *		\$ (238,274.80)		\$ (273,220.08)		\$ (341,383.30)		\$ (387,859.18)		\$ (369,363.60)
DEDUCTIVE ALTERNATIVE 3 with OPTION 1 TOTAL					\$ (929,403)		\$ (776,520.20)		\$ (449,936.90)		\$ (627,994.56)		\$ (776,643.20)		\$ (785,078.58)		\$ (1,153,708.20)
DEDUCTIVE ALTERNATIVE 3 with OPTION 2 TOTAL					\$ (1,088,000)		\$ (799,751.20)		\$ (592,272.20) *		\$ (582,336.56)		\$ (776,643.20)		\$ (735,176.38)		\$ (1,153,708.20)
DEDUCTIVE ALTERNATIVE 3 with OPTION 3 TOTAL					\$ (1,041,538)		\$ (776,520.20)		\$ (562,071.90) *		\$ (582,336.56)		\$ (776,643.20)		\$ (751,438.08)		\$ (1,153,708.20)
DEDUCTIVE ALTERNATIVE 3 with OPTION 4 TOTAL					\$ (975,865)		\$ (799,751.20)		\$ (480,137.20) *		\$ (582,336.56)		\$ (776,643.20)		\$ (768,816.88)		\$ (1,153,708.20)
DEDUCTIVE ALTERNATIVE 4 with OPTION 1 TOTAL					\$ (2,538,801)		\$ (1,045,034.85) *		\$ (608,024.45)		\$ (846,040.00)		\$ (1,468,087.30)		\$ (976,856.95)		\$ (2,473,229.40)
DEDUCTIVE ALTERNATIVE 4 with OPTION 2 TOTAL					\$ (2,735,000)		\$ (1,073,681.85) *		\$ (784,170.55)		\$ (846,040.00)		\$ (1,468,087.30)		\$ (967,692.65)		\$ (2,473,229.40)
DEDUCTIVE ALTERNATIVE 4 with OPTION 3 TOTAL					\$ (2,677,706)		\$ (1,045,034.85) *		\$ (746,929.45)		\$ (846,040.00)		\$ (1,468,087.30)		\$ (980,286.15)		\$ (2,473,229.40)
DEDUCTIVE ALTERNATIVE 4 with OPTION 4 TOTAL					\$ (2,596,095)		\$ (1,073,681.85) *		\$ (645,265.55)		\$ (846,040.00)		\$ (1,468,087.30)		\$ (964,263.45)		\$ (2,473,229.40)

* Indicates adjusted numbers for addition errors