



# Bid Abstract

Project: **Buchanan Field Airport Runway 14L-32R Rehabilitation**  
 County No.: **4855-4661-SAS-6X5324**  
 Federal No.: **3-06-0050-025-2019**  
 Bids Opened: **Tuesday, June 25, 2019**  
 Addendum: **No. 1, June 19, 2019**  
 DBE Goal: **7.00%**

	Lowest Bidder	2nd Bidder	3rd Bidder
Name of Bidder:	<b>Ghilotti Bros., Inc.</b>	<b>A Teichert &amp; Sons, Inc. dba Teichert C</b>	<b>DeSilva Gates Construction LP</b>
DIR Registration Number:	1000001037	1000002575	1000003628
Business Address:	525 Jacoby Street San Rafael, CA 94901	400 Sunrise Avenue, Suite 300 Roseville, CA 95661	11555 Dublin Boulevard Dublin, CA 94568
Mailing Address:	PO Box 10268 San Rafael, CA 94912	400 Sunrise Avenue, Suite 300 Roseville, CA 95661	11555 Dublin Boulevard Dublin, CA 94568
Business Phone:	(415) 454-7011	(916) 757-6400	(925) 829-9220
Fax No.:	(415) 454-8376	(916) 757-6499	(925) 803-4263
Email Address:	<a href="mailto:tomb@ghilottibros.com">tomb@ghilottibros.com</a>	<a href="mailto:Rczuleger@teichert.com">Rczuleger@teichert.com</a>	<a href="mailto:dqcestimating@desilvagates.com">dqcestimating@desilvagates.com</a>
Contact:	Thomas G. Barr, P.E.	Rick Czuleger	Michael Gates

Item No.	Bid Item Description	Unit	Quantity	Engineer's Estimate		Lowest Bidder		2nd Bidder		3rd Bidder	
				Unit Cost	Amount	Unit Bid	Amount	Unit Bid	Amount	Unit Bid	Amount
1	Airfield Safety and Traffic Control	LS	1.00	\$80,000.00	\$80,000.00	\$200,000.00	\$200,000.00	\$239,455.50	\$239,455.50	\$207,000.00	\$207,000.00
2	Construction Staking and Survey Layout	LS	1.00	\$60,000.00	\$60,000.00	\$130,000.00	\$130,000.00	\$50,000.00	\$50,000.00	\$70,000.00	\$70,000.00
3	Airport Access and Haul Route Repair	SY	1,750.00	\$40.00	\$70,000.00	\$69.00	\$120,750.00	\$55.00	\$96,250.00	\$25.00	\$43,750.00
4	Recycled Shoulder Base	SY	220.00	\$10.00	\$2,200.00	\$13.50	\$2,970.00	\$6.00	\$1,320.00	\$10.00	\$2,200.00
5	Remove Airfield Light Fixture and Base Can	EA	26.00	\$500.00	\$13,000.00	\$250.00	\$6,500.00	\$345.00	\$8,970.00	\$400.00	\$10,400.00
6	Remove In-Pavement Fixture	EA	14.00	\$300.00	\$4,200.00	\$320.00	\$4,480.00	\$575.00	\$8,050.00	\$500.00	\$7,000.00
7	Remove Guidance Sign and PCC Pad	EA	6.00	\$750.00	\$4,500.00	\$1,150.00	\$6,900.00	\$865.00	\$5,190.00	\$1,000.00	\$6,000.00
8	Remove Miscellaneous Airfield Electrical Components	LS	1.00	\$2,250.00	\$2,250.00	\$5,800.00	\$5,800.00	\$40,200.00	\$40,200.00	\$50,000.00	\$50,000.00
9	Contractor Quality Control Program	LS	1.00	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$80,000.00	\$80,000.00	\$75,000.00	\$75,000.00
10	Prepare Storm Water Pollution Prevention Plan (SWPPP)	LS	1.00	\$5,000.00	\$5,000.00	\$2,400.00	\$2,400.00	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00
11	Maintain Storm Water Pollution Prevention Plan (SWPPP)	LS	1.00	\$62,000.00	\$62,000.00	\$115,000.00	\$115,000.00	\$50,000.00	\$50,000.00	\$65,000.00	\$65,000.00
12	Mobilization	LS	1.00	\$100,000.00	\$100,000.00	\$375,000.00	\$375,000.00	\$328,000.00	\$328,000.00	\$237,000.00	\$237,000.00
13	Pavement Removal, Concrete	SY	2,250.00	\$20.00	\$45,000.00	\$9.00	\$20,250.00	\$12.00	\$27,000.00	\$20.00	\$45,000.00
14	Joint and Crack Repair	LF	41,190.00	\$2.50	\$102,975.00	\$3.10	\$127,689.00	\$3.40	\$140,046.00	\$5.00	\$205,950.00
15	Pavement Marking Removal	SF	17,570.00	\$1.00	\$17,570.00	\$1.00	\$17,570.00	\$1.40	\$24,598.00	\$3.00	\$52,710.00
16	Cold Milling, Full Depth	SY	6,190.00	\$6.00	\$37,140.00	\$5.65	\$34,973.50	\$6.00	\$37,140.00	\$8.00	\$49,520.00
17	Cold Milling, 4-inch Depth	SY	39,900.00	\$6.00	\$239,400.00	\$2.65	\$105,735.00	\$3.50	\$139,650.00	\$6.00	\$239,400.00
18	Cold Milling, 2-inch Depth	SY	19,520.00	\$6.00	\$117,120.00	\$2.15	\$41,968.00	\$4.50	\$87,840.00	\$3.00	\$58,560.00
19	Subgrade Preparation	SY	8,440.00	\$12.00	\$101,280.00	\$2.30	\$19,412.00	\$1.50	\$12,660.00	\$5.00	\$42,200.00
20	Asphalt Surface Course	TON	12,810.00	\$140.00	\$1,793,400.00	\$154.28	\$1,976,326.80	\$130.00	\$1,665,300.00	\$115.00	\$1,473,150.00
21	Emulsified Asphalt Tack Coat	TON	32.00	\$550.00	\$17,600.00	\$1,800.00	\$57,600.00	\$1,100.00	\$35,200.00	\$1,000.00	\$32,000.00
22	Asphalt Surface Treatment	SY	15,600.00	\$6.00	\$93,600.00	\$3.00	\$46,800.00	\$3.00	\$46,800.00	\$13.00	\$202,800.00
23	Runway Friction Testing	LS	1.00	\$10,000.00	\$10,000.00	\$17,300.00	\$17,300.00	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00
24	Markings, Yellow with Type I Reflective Media, Initial Application	SF	10,370.00	\$2.00	\$20,740.00	\$1.75	\$18,147.50	\$0.85	\$8,814.50	\$1.00	\$10,370.00



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Contact:	Thomas G. Barr, P.E.	Rick Czuleger	Michael Gates

BASE BID (continued)				Engineer's Estimate		Lowest Bidder		2nd Bidder		3rd Bidder	
Item No.	Bid Item Description	Unit	Quantity	Unit Cost	Amount	Unit Bid	Amount	Unit Bid	Amount	Unit Bid	Amount
25	Markings, Yellow with Type I Reflective Media, Final Application	SF	10,370.00	\$1.00	\$10,370.00	\$1.75	\$18,147.50	\$0.85	\$8,814.50	\$1.00	\$10,370.00
26	Markings, White with Type III Reflective Media, Initial Application	SF	82,370.00	\$2.00	\$164,740.00	\$1.75	\$144,147.50	\$1.50	\$123,555.00	\$1.50	\$123,555.00
27	Markings, White with Type III Reflective Media, Final Application	SF	82,370.00	\$1.00	\$82,370.00	\$1.75	\$144,147.50	\$1.50	\$123,555.00	\$1.50	\$123,555.00
28	Markings, Black, Initial Application	SF	15,830.00	\$1.00	\$15,830.00	\$1.50	\$23,745.00	\$0.65	\$10,289.50	\$1.00	\$15,830.00
29	Markings, Black, Final Application	SF	15,830.00	\$0.50	\$7,915.00	\$1.50	\$23,745.00	\$0.65	\$10,289.50	\$1.00	\$15,830.00
30	Runway Grooving	SY	47,110.00	\$3.50	\$164,885.00	\$6.72	\$316,579.20	\$6.40	\$301,504.00	\$5.20	\$244,972.00
31	Topsoil (Furnished from Off Site)	CY	1,170.00	\$3.00	\$3,510.00	\$60.00	\$70,200.00	\$80.00	\$93,600.00	\$100.00	\$117,000.00
32	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit	LF	3,970.00	\$2.50	\$9,925.00	\$12.50	\$49,625.00	\$3.50	\$13,895.00	\$3.00	\$11,910.00
33	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Installed in Separate Trench, Including Connections/Terminations	LF	650.00	\$4.25	\$2,762.50	\$9.80	\$6,370.00	\$4.50	\$2,925.00	\$4.00	\$2,600.00
34	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Installed with Directional Bore, Including Connections/Terminations	LF	530.00	\$2.25	\$1,192.50	\$5.00	\$2,650.00	\$1.10	\$583.00	\$1.00	\$530.00
35	Non-Encased, Electrical Conduit, 1-Way 2-Inch Sch 40 PVC	LF	900.00	\$12.25	\$11,025.00	\$40.00	\$36,000.00	\$17.00	\$15,300.00	\$15.00	\$13,500.00
36	Directional Bore, Electrical Conduit, 1-Way 2-Inch HDPE	LF	530.00	\$35.00	\$18,550.00	\$47.00	\$24,910.00	\$46.00	\$24,380.00	\$35.00	\$18,550.00
37	Electrical Handhole, L-867, Size D	EA	1.00	\$1,000.00	\$1,000.00	\$1,470.00	\$1,470.00	\$2,050.00	\$2,050.00	\$2,000.00	\$2,000.00
38	Install Salvaged L-861T Elevated Taxiway Edge Light Fixture on New Base	EA	14.00	\$825.00	\$11,550.00	\$1,390.00	\$19,460.00	\$2,200.00	\$30,800.00	\$2,000.00	\$28,000.00
39	Relocate Existing L-858 Airfield Guidance Sign to New PCC Pad	EA	3.00	\$2,150.00	\$6,450.00	\$7,575.00	\$22,725.00	\$4,600.00	\$13,800.00	\$4,500.00	\$13,500.00
40	Replace L-858 Airfield Guidance Sign Panel	EA	2.00	\$800.00	\$1,600.00	\$2,565.00	\$5,130.00	\$920.00	\$1,840.00	\$1,000.00	\$2,000.00
<b>TOTAL BASE BID:</b>					<b>\$3,572,650.00</b>		<b>\$4,422,623.50</b>		<b>\$3,924,664.50</b>		<b>\$3,950,712.00</b>



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Contact:	Thomas G. Barr, P.E.	Rick Czuleger	Michael Gates

## BID ALTERNATIVE NO. 1

Item No.	Bid Item Description	Unit	Quantity	Engineer's Estimate		Lowest Bidder		2nd Bidder		3rd Bidder	
				Unit Cost	Amount	Unit Bid	Amount	Unit Bid	Amount	Unit Bid	Amount
1	Construction Staking and Survey Layout	LS	1.00	\$20,000.00	\$20,000.00	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$30,000.00	\$30,000.00
2	Remove Airfield Light Fixture and Base Can	EA	77.00	\$500.00	\$38,500.00	\$160.00	\$12,320.00	\$345.00	\$26,565.00	\$400.00	\$30,800.00
3	Remove Existing Taxiway Guidance Sign and PCC Pad	EA	6.00	\$750.00	\$4,500.00	\$1,000.00	\$6,000.00	\$865.00	\$5,190.00	\$1,000.00	\$6,000.00
4	Remove Miscellaneous Airfield Electrical Components	LS	1.00	\$7,500.00	\$7,500.00	\$20,000.00	\$20,000.00	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00
5	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit	LF	24,750.00	\$2.50	\$61,875.00	\$4.00	\$99,000.00	\$3.50	\$86,625.00	\$3.00	\$74,250.00
6	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Installed in Separate Trench, Including Connections/Terminations	LF	6,355.00	\$4.25	\$27,008.75	\$7.00	\$44,485.00	\$4.50	\$28,597.50	\$4.00	\$25,420.00
7	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Installed with Directional Bore, Including Connections/Terminations	LF	8,780.00	\$2.00	\$17,560.00	\$0.70	\$6,146.00	\$1.10	\$9,658.00	\$1.00	\$8,780.00
8	Non-Encased, Electrical Conduit, 1-Way 2-Inch Sch 40 PVC	LF	10,235.00	\$11.25	\$115,143.75	\$13.00	\$133,055.00	\$17.00	\$173,995.00	\$15.00	\$153,525.00
9	Directional Bore, Electrical Conduit, 1-Way 2-Inch HDPE	LF	800.00	\$35.00	\$28,000.00	\$20.00	\$16,000.00	\$46.00	\$36,800.00	\$35.00	\$28,000.00
10	Directional Bore, Electrical Conduit, 2-Way 3-Inch HDPE	LF	2,530.00	\$45.00	\$113,850.00	\$25.00	\$63,250.00	\$63.00	\$159,390.00	\$50.00	\$126,500.00
11	Electrical Handhole, L-867, Size D	EA	5.00	\$1,000.00	\$5,000.00	\$1,000.00	\$5,000.00	\$2,050.00	\$10,250.00	\$2,000.00	\$10,000.00
12	Electrical Junction Structure, Aircraft Rated with Spring Assisted Cover, 3'x3'x3'	EA	25.00	\$6,000.00	\$150,000.00	\$8,000.00	\$200,000.00	\$15,000.00	\$375,000.00	\$14,000.00	\$350,000.00
13	Install LED L-861 (L) Elevated Runway Edge Light and Base Can, Complete	EA	38.00	\$1,250.00	\$47,500.00	\$1,700.00	\$64,600.00	\$2,150.00	\$81,700.00	\$2,000.00	\$76,000.00
14	Install LED L-861E (L) Elevated Runway Threshold/End Light and Base Can, Complete	EA	32.00	\$1,250.00	\$40,000.00	\$1,700.00	\$54,400.00	\$2,400.00	\$76,800.00	\$2,000.00	\$64,000.00
15	Install LED L-852D (L) In-pavement Runway Light and Base Can, Complete	EA	6.00	\$2,000.00	\$12,000.00	\$2,500.00	\$15,000.00	\$4,200.00	\$25,200.00	\$4,000.00	\$24,000.00
16	Install L-858 Airfield Guidance Sign LED Retrofit Kit, 1 Module, Size 1	EA	12.00	\$800.00	\$9,600.00	\$1,000.00	\$12,000.00	\$4,670.00	\$56,040.00	\$4,000.00	\$48,000.00
17	Install L-858 Airfield Guidance Sign LED Retrofit Kit, 2 Module, Size 1	EA	2.00	\$1,000.00	\$2,000.00	\$1,300.00	\$2,600.00	\$5,100.00	\$10,200.00	\$5,000.00	\$10,000.00
18	Install L-858 Airfield Guidance Sign LED Retrofit Kit, 3 Module, Size 1	EA	8.00	\$1,200.00	\$9,600.00	\$1,000.00	\$8,000.00	\$5,400.00	\$43,200.00	\$5,000.00	\$40,000.00
19	Install L-858 Airfield Guidance Sign LED Retrofit Kit, 4 Module, Size 1	EA	6.00	\$1,400.00	\$8,400.00	\$1,800.00	\$10,800.00	\$5,600.00	\$33,600.00	\$5,000.00	\$30,000.00
20	Install L-858 Airfield Guidance Sign LED Retrofit Kit, RDR, Size 5	EA	3.00	\$1,500.00	\$4,500.00	\$1,500.00	\$4,500.00	\$4,470.00	\$13,410.00	\$4,000.00	\$12,000.00
21	Relocate Existing L-858 Airfield Guidance Sign to New PCC Pad	EA	6.00	\$2,150.00	\$12,900.00	\$7,250.00	\$43,500.00	\$4,600.00	\$27,600.00	\$4,500.00	\$27,000.00
22	Replace L-858 Airfield Guidance Sign Panel	EA	3.00	\$800.00	\$2,400.00	\$800.00	\$2,400.00	\$920.00	\$2,760.00	\$1,000.00	\$3,000.00
23	Install L-829 Constant Current Regulator, Class 1, Style 1, 7.5kW, 240V	EA	1.00	\$12,000.00	\$12,000.00	\$13,500.00	\$13,500.00	\$22,000.00	\$22,000.00	\$20,000.00	\$20,000.00
<b>TOTAL BID ALTERNATE NO. 1:</b>					<b>\$749,837.50</b>		<b>\$841,556.00</b>		<b>\$1,384,580.50</b>		<b>\$1,267,275.00</b>



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Contact:	Thomas G. Barr, P.E.	Rick Czuleger	Michael Gates

BID ALTERNATIVE NO. 2						Engineer's Estimate	Lowest Bidder	2nd Bidder	3rd Bidder		
Item No.	Bid Item Description	Unit	Quantity	Unit Cost	Amount	Unit Bid	Amount	Unit Bid	Amount	Unit Bid	Amount
1	Joint and Crack Repair	LF	49,640.00	\$6.00	\$297,840.00	\$3.95	\$196,078.00	\$4.25	\$210,970.00	\$6.50	\$322,660.00
2	Concrete Spall Repair	SF	2,370.00	\$50.00	\$118,500.00	\$15.00	\$35,550.00	\$15.50	\$36,735.00	\$250.00	\$592,500.00
3	Markings, White with Type III Reflective Media, Final Application	SF	18,360.00	\$2.00	\$36,720.00	\$1.50	\$27,540.00	\$1.50	\$27,540.00	\$1.50	\$27,540.00
4	Markings, Yellow with Type I Reflective Media, Final Application	SF	2,500.00	\$2.00	\$5,000.00	\$1.50	\$3,750.00	\$0.85	\$2,125.00	\$1.00	\$2,500.00
5	Markings, Black, Final Application	SF	4,900.00	\$1.00	\$4,900.00	\$1.50	\$7,350.00	\$0.65	\$3,185.00	\$5.00	\$24,500.00
<b>TOTAL BID ALTERNATE NO. 2:</b>							<b>\$270,268.00</b>		<b>\$280,555.00</b>		<b>\$969,700.00</b>

<b>BASE BID:</b>	<b>\$3,572,650.00</b>	\$4,422,623.50	\$3,924,664.50	\$3,950,712.00
<b>TOTAL BID ALTERNATE NO. 1:</b>	<b>\$749,837.50</b>	\$841,556.00	\$1,384,580.50	\$1,267,275.00
<b>TOTAL BID ALTERNATE NO. 2:</b>	<b>\$462,960.00</b>	\$270,268.00	\$280,555.00	\$969,700.00
<b>BASE BID + BID ALTERNATE NO. 1:</b>	<b>\$4,322,487.50</b>	\$5,264,179.50	\$5,309,245.00	\$5,217,987.00
<b>BASE BID + BID ALTERNATE NO. 2:</b>	<b>\$4,035,610.00</b>	\$4,692,891.50	\$4,205,219.50	\$4,920,412.00
<b>BASE BID + BID ALTERNATE NO. 1 + BID ALTERNATE NO. 2:</b>	<b>\$4,785,447.50</b>	<b>\$5,534,447.50</b>	<b>\$5,589,800.00</b>	<b>\$6,187,687.00</b>
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 DBE Goal: **7.00%**

	4th Bidder	5th Bidder	6th Bidder
Name of Bidder:	<b>Martin Brothers Construction</b>	<b>Granite Rock Company</b>	<b>Bay Cities Paving &amp; Grading</b>
DIR Registration Number:	1000000017	1000000239	1000005981
Business Address:	8801 Folsom Boulevard, Suite 260 Sacramento, CA 95826	5225 Hellyer Avenue, Suite 220 San Jose, CA 95138	1450 Civic Ct., Bldg. B-#400 Concord, CA 94520
Mailing Address:	8801 Folsom Boulevard, Suite 260 Sacramento, CA 95826	same as above	PO Box 6227 Concord, CA 94520-6227
Business Phone:	(916) 381-0911	(408) 574-1400	(925) 687-6666
Fax No.:	(916) 381-0611	(408) 365-9548	(925) 687-2122
Email Address:	<a href="mailto:fmartin@martinbrothers.net">fmartin@martinbrothers.net</a>	<a href="mailto:estimating@graniterock.com">estimating@graniterock.com</a>	<a href="mailto:rolney@baycities.us">rolney@baycities.us</a>
Contact:	Felipe Martin, President	Patrick McDonald	Russ Olney, Estimator

Item No.	Bid Item Description	Unit	Quantity	Engineer's Estimate		4th Bidder		5th Bidder		6th Bidder	
				Unit Cost	Amount	Unit Bid	Amount	Unit Bid	Amount	Unit Bid	Amount
1	Airfield Safety and Traffic Control	LS	1.00	\$80,000.00	\$80,000.00	\$105,000.00	\$105,000.00	\$715,000.00	\$715,000.00	\$195,000.00	\$195,000.00
2	Construction Staking and Survey Layout	LS	1.00	\$60,000.00	\$60,000.00	\$120,000.00	\$120,000.00	\$200,000.00	\$200,000.00	\$15,000.00	\$15,000.00
3	Airport Access and Haul Route Repair	SY	1,750.00	\$40.00	\$70,000.00	\$25.00	\$43,750.00	\$50.00	\$87,500.00	\$40.00	\$70,000.00
4	Recycled Shoulder Base	SY	220.00	\$10.00	\$2,200.00	\$12.00	\$2,640.00	\$200.00	\$44,000.00	\$40.00	\$8,800.00
5	Remove Airfield Light Fixture and Base Can	EA	26.00	\$500.00	\$13,000.00	\$250.00	\$6,500.00	\$620.00	\$16,120.00	\$280.00	\$7,280.00
6	Remove In-Pavement Fixture	EA	14.00	\$300.00	\$4,200.00	\$320.00	\$4,480.00	\$1,100.00	\$15,400.00	\$360.00	\$5,040.00
7	Remove Guidance Sign and PCC Pad	EA	6.00	\$750.00	\$4,500.00	\$1,160.00	\$6,960.00	\$2,900.00	\$17,400.00	\$1,300.00	\$7,800.00
8	Remove Miscellaneous Airfield Electrical Components	LS	1.00	\$2,250.00	\$2,250.00	\$5,800.00	\$5,800.00	\$5,800.00	\$5,800.00	\$6,500.00	\$6,500.00
9	Contractor Quality Control Program	LS	1.00	\$60,000.00	\$60,000.00	\$120,000.00	\$120,000.00	\$150,000.00	\$150,000.00	\$110,000.00	\$110,000.00
10	Prepare Storm Water Pollution Prevention Plan (SWPPP)	LS	1.00	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500.00	\$5,000.00	\$5,000.00	\$9,300.00	\$9,300.00
11	Maintain Storm Water Pollution Prevention Plan (SWPPP)	LS	1.00	\$62,000.00	\$62,000.00	\$72,000.00	\$72,000.00	\$275,000.00	\$275,000.00	\$35,000.00	\$35,000.00
12	Mobilization	LS	1.00	\$100,000.00	\$100,000.00	\$210,000.00	\$210,000.00	\$210,000.00	\$210,000.00	\$325,000.00	\$325,000.00
13	Pavement Removal, Concrete	SY	2,250.00	\$20.00	\$45,000.00	\$14.00	\$31,500.00	\$20.00	\$45,000.00	\$60.00	\$135,000.00
14	Joint and Crack Repair	LF	41,190.00	\$2.50	\$102,975.00	\$8.00	\$329,520.00	\$4.60	\$189,474.00	\$3.47	\$142,929.30
15	Pavement Marking Removal	SF	17,570.00	\$1.00	\$17,570.00	\$2.00	\$35,140.00	\$2.40	\$42,168.00	\$1.25	\$21,962.50
16	Cold Milling, Full Depth	SY	6,190.00	\$6.00	\$37,140.00	\$6.75	\$41,782.50	\$7.00	\$43,330.00	\$6.00	\$37,140.00
17	Cold Milling, 4-inch Depth	SY	39,900.00	\$6.00	\$239,400.00	\$5.25	\$209,475.00	\$4.30	\$171,570.00	\$3.75	\$149,625.00
18	Cold Milling, 2-inch Depth	SY	19,520.00	\$6.00	\$117,120.00	\$2.50	\$48,800.00	\$1.90	\$37,088.00	\$2.00	\$39,040.00
19	Subgrade Preparation	SY	8,440.00	\$12.00	\$101,280.00	\$4.00	\$33,760.00	\$2.00	\$16,880.00	\$4.30	\$36,292.00
20	Asphalt Surface Course	TON	12,810.00	\$140.00	\$1,793,400.00	\$166.50	\$2,132,865.00	\$121.00	\$1,550,010.00	\$125.75	\$1,610,857.50
21	Emulsified Asphalt Tack Coat	TON	32.00	\$550.00	\$17,600.00	\$1,250.00	\$40,000.00	\$1,200.00	\$38,400.00	\$1,600.00	\$51,200.00
22	Asphalt Surface Treatment	SY	15,600.00	\$6.00	\$93,600.00	\$5.00	\$78,000.00	\$2.50	\$39,000.00	\$3.08	\$48,048.00
23	Runway Friction Testing	LS	1.00	\$10,000.00	\$10,000.00	\$12,500.00	\$12,500.00	\$3,000.00	\$3,000.00	\$5,600.00	\$5,600.00
24	Markings, Yellow with Type I Reflective Media, Initial Application	SF	10,370.00	\$2.00	\$20,740.00	\$0.65	\$6,740.50	\$0.70	\$7,259.00	\$0.75	\$7,777.50



# Bid Abstract

Project: **Buchanan Field Airport Runway 14L-32R Rehabilitation**  
 County No.: **4855-4661-SAS-6X5324**  
 Federal No.: **3-06-0050-025-2019**  
 Bids Opened: **Tuesday, June 25, 2019**  
 Addendum: **No. 1, June 19, 2019**  
 DBE Goal: **7.00%**

	4th Bidder	5th Bidder	6th Bidder
Name of Bidder:	<b>Martin Brothers Construction</b>	<b>Granite Rock Company</b>	<b>Bay Cities Paving &amp; Grading</b>
DIR Registration Number:	1000000017	1000000239	1000005981
Business Address:	8801 Folsom Boulevard, Suite 260 Sacramento, CA 95826	5225 Hellyer Avenue, Suite 220 San Jose, CA 95138	1450 Civic Ct., Bldg. B-#400 Concord, CA 94520
Mailing Address:	8801 Folsom Boulevard, Suite 260 Sacramento, CA 95826	same as above	PO Box 6227 Concord, CA 94520-6227
Business Phone:	(916) 381-0911	(408) 574-1400	(925) 687-6666
Fax No.:	(916) 381-0611	(408) 365-9548	(925) 687-2122
Email Address:	<a href="mailto:fmartin@martinbrothers.net">fmartin@martinbrothers.net</a>	<a href="mailto:estimating@graniterock.com">estimating@graniterock.com</a>	<a href="mailto:rolney@baycities.us">rolney@baycities.us</a>
Contact:	Felipe Martin, President	Patrick McDonald	Russ Olney, Estimator

BASE BID (continued)				Engineer's Estimate		4th Bidder		5th Bidder		6th Bidder	
Item No.	Bid Item Description	Unit	Quantity	Unit Cost	Amount	Unit Bid	Amount	Unit Bid	Amount	Unit Bid	Amount
25	Markings, Yellow with Type I Reflective Media, Final Application	SF	10,370.00	\$1.00	\$10,370.00	\$0.65	\$6,740.50	\$0.70	\$7,259.00	\$0.75	\$7,777.50
26	Markings, White with Type III Reflective Media, Initial Application	SF	82,370.00	\$2.00	\$164,740.00	\$1.15	\$94,725.50	\$1.10	\$90,607.00	\$1.30	\$107,081.00
27	Markings, White with Type III Reflective Media, Final Application	SF	82,370.00	\$1.00	\$82,370.00	\$1.15	\$94,725.50	\$1.10	\$90,607.00	\$1.30	\$107,081.00
28	Markings, Black, Initial Application	SF	15,830.00	\$1.00	\$15,830.00	\$0.50	\$7,915.00	\$0.50	\$7,915.00	\$0.56	\$8,864.80
29	Markings, Black, Final Application	SF	15,830.00	\$0.50	\$7,915.00	\$0.50	\$7,915.00	\$0.50	\$7,915.00	\$0.56	\$8,864.80
30	Runway Grooving	SY	47,110.00	\$3.50	\$164,885.00	\$7.00	\$329,770.00	\$6.30	\$296,793.00	\$6.21	\$292,553.10
31	Topsoil (Furnished from Off Site)	CY	1,170.00	\$3.00	\$3,510.00	\$75.00	\$87,750.00	\$80.00	\$93,600.00	\$65.00	\$76,050.00
32	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit	LF	3,970.00	\$2.50	\$9,925.00	\$12.50	\$49,625.00	\$12.50	\$49,625.00	\$14.00	\$55,580.00
33	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Installed in Separate Trench, Including Connections/Terminations	LF	650.00	\$4.25	\$2,762.50	\$9.80	\$6,370.00	\$9.80	\$6,370.00	\$15.00	\$9,750.00
34	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Installed with Directional Bore, Including Connections/Terminations	LF	530.00	\$2.25	\$1,192.50	\$5.00	\$2,650.00	\$5.00	\$2,650.00	\$5.60	\$2,968.00
35	Non-Encased, Electrical Conduit, 1-Way 2-Inch Sch 40 PVC	LF	900.00	\$12.25	\$11,025.00	\$40.00	\$36,000.00	\$40.00	\$36,000.00	\$45.00	\$40,500.00
36	Directional Bore, Electrical Conduit, 1-Way 2-Inch HDPE	LF	530.00	\$35.00	\$18,550.00	\$47.00	\$24,910.00	\$47.00	\$24,910.00	\$53.00	\$28,090.00
37	Electrical Handhole, L-867, Size D	EA	1.00	\$1,000.00	\$1,000.00	\$1,470.00	\$1,470.00	\$1,470.00	\$1,470.00	\$1,650.00	\$1,650.00
38	Install Salvaged L-861T Elevated Taxiway Edge Light Fixture on New Base	EA	14.00	\$825.00	\$11,550.00	\$1,390.00	\$19,460.00	\$1,390.00	\$19,460.00	\$1,560.00	\$21,840.00
39	Relocate Existing L-858 Airfield Guidance Sign to New PCC Pad	EA	3.00	\$2,150.00	\$6,450.00	\$7,575.00	\$22,725.00	\$7,575.00	\$22,725.00	\$8,500.00	\$25,500.00
40	Replace L-858 Airfield Guidance Sign Panel	EA	2.00	\$800.00	\$1,600.00	\$2,565.00	\$5,130.00	\$2,565.00	\$5,130.00	\$2,900.00	\$5,800.00
<b>TOTAL BASE BID:</b>					<b>\$3,572,650.00</b>		<b>\$4,499,594.50</b>		<b>\$4,687,435.00</b>		<b>\$3,880,142.00</b>



# Bid Abstract

Project: **Buchanan Field Airport Runway 14L-32R Rehabilitation**  
 County No.: **4855-4661-SAS-6X5324**  
 Federal No.: **3-06-0050-025-2019**  
 Bids Opened: **Tuesday, June 25, 2019**  
 Addendum: **No. 1, June 19, 2019**  
 DBE Goal: **7.00%**

	4th Bidder	5th Bidder	6th Bidder
Name of Bidder:	<b>Martin Brothers Construction</b>	<b>Granite Rock Company</b>	<b>Bay Cities Paving &amp; Grading</b>
DIR Registration Number:	1000000017	1000000239	1000005981
Business Address:	8801 Folsom Boulevard, Suite 260 Sacramento, CA 95826	5225 Hellyer Avenue, Suite 220 San Jose, CA 95138	1450 Civic Ct., Bldg. B-#400 Concord, CA 94520
Mailing Address:	8801 Folsom Boulevard, Suite 260 Sacramento, CA 95826	same as above	PO Box 6227 Concord, CA 94520-6227
Business Phone:	(916) 381-0911	(408) 574-1400	(925) 687-6666
Fax No.:	(916) 381-0611	(408) 365-9548	(925) 687-2122
Email Address:	<a href="mailto:fmartin@martinbrothers.net">fmartin@martinbrothers.net</a>	<a href="mailto:estimating@graniterock.com">estimating@graniterock.com</a>	<a href="mailto:rolney@baycities.us">rolney@baycities.us</a>
Contact:	Felipe Martin, President	Patrick McDonald	Russ Olney, Estimator

## BID ALTERNATIVE NO. 1

Item No.	Bid Item Description	Unit	Quantity	Engineer's Estimate		4th Bidder		5th Bidder		6th Bidder	
				Unit Cost	Amount	Unit Bid	Amount	Unit Bid	Amount	Unit Bid	Amount
1	Construction Staking and Survey Layout	LS	1.00	\$20,000.00	\$20,000.00	\$11,000.00	\$11,000.00	\$11,000.00	\$11,000.00	\$15,000.00	\$15,000.00
2	Remove Airfield Light Fixture and Base Can	EA	77.00	\$500.00	\$38,500.00	\$250.00	\$19,250.00	\$900.00	\$69,300.00	\$280.00	\$21,560.00
3	Remove Existing Taxiway Guidance Sign and PCC Pad	EA	6.00	\$750.00	\$4,500.00	\$1,100.00	\$6,600.00	\$2,800.00	\$16,800.00	\$1,250.00	\$7,500.00
4	Remove Miscellaneous Airfield Electrical Components	LS	1.00	\$7,500.00	\$7,500.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$45,000.00	\$45,000.00
5	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit	LF	24,750.00	\$2.50	\$61,875.00	\$7.00	\$173,250.00	\$7.00	\$173,250.00	\$8.00	\$198,000.00
6	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Installed in Separate Trench, Including Connections/Terminations	LF	6,355.00	\$4.25	\$27,008.75	\$8.50	\$54,017.50	\$8.00	\$50,840.00	\$9.50	\$60,372.50
7	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Installed with Directional Bore, Including Connections/Terminations	LF	8,780.00	\$2.00	\$17,560.00	\$2.00	\$17,560.00	\$2.00	\$17,560.00	\$2.25	\$19,755.00
8	Non-Encased, Electrical Conduit, 1-Way 2-Inch Sch 40 PVC	LF	10,235.00	\$11.25	\$115,143.75	\$18.35	\$187,812.25	\$18.00	\$184,230.00	\$20.00	\$204,700.00
9	Directional Bore, Electrical Conduit, 1-Way 2-Inch HDPE	LF	800.00	\$35.00	\$28,000.00	\$22.00	\$17,600.00	\$22.00	\$17,600.00	\$25.00	\$20,000.00
10	Directional Bore, Electrical Conduit, 2-Way 3-Inch HDPE	LF	2,530.00	\$45.00	\$113,850.00	\$27.00	\$68,310.00	\$27.00	\$68,310.00	\$30.00	\$75,900.00
11	Electrical Handhole, L-867, Size D	EA	5.00	\$1,000.00	\$5,000.00	\$1,120.00	\$5,600.00	\$1,120.00	\$5,600.00	\$1,250.00	\$6,250.00
12	Electrical Junction Structure, Aircraft Rated with Spring Assisted Cover, 3'x3'x3'	EA	25.00	\$6,000.00	\$150,000.00	\$11,900.00	\$297,500.00	\$11,900.00	\$297,500.00	\$13,300.00	\$332,500.00
13	Install LED L-861 (L) Elevated Runway Edge Light and Base Can, Complete	EA	38.00	\$1,250.00	\$47,500.00	\$1,815.00	\$68,970.00	\$1,815.00	\$68,970.00	\$2,050.00	\$77,900.00
14	Install LED L-861E (L) Elevated Runway Threshold/End Light and Base Can, Complete	EA	32.00	\$1,250.00	\$40,000.00	\$1,815.00	\$58,080.00	\$1,815.00	\$58,080.00	\$2,050.00	\$65,600.00
15	Install LED L-852D (L) In-pavement Runway Light and Base Can, Complete	EA	6.00	\$2,000.00	\$12,000.00	\$2,850.00	\$17,100.00	\$2,850.00	\$17,100.00	\$3,200.00	\$19,200.00
16	Install L-858 Airfield Guidance Sign LED Retrofit Kit, 1 Module, Size 1	EA	12.00	\$800.00	\$9,600.00	\$1,200.00	\$14,400.00	\$1,200.00	\$14,400.00	\$1,350.00	\$16,200.00
17	Install L-858 Airfield Guidance Sign LED Retrofit Kit, 2 Module, Size 1	EA	2.00	\$1,000.00	\$2,000.00	\$1,425.00	\$2,850.00	\$1,425.00	\$2,850.00	\$1,600.00	\$3,200.00
18	Install L-858 Airfield Guidance Sign LED Retrofit Kit, 3 Module, Size 1	EA	8.00	\$1,200.00	\$9,600.00	\$1,200.00	\$9,600.00	\$1,200.00	\$9,600.00	\$1,350.00	\$10,800.00
19	Install L-858 Airfield Guidance Sign LED Retrofit Kit, 4 Module, Size 1	EA	6.00	\$1,400.00	\$8,400.00	\$2,050.00	\$12,300.00	\$2,040.00	\$12,240.00	\$2,300.00	\$13,800.00
20	Install L-858 Airfield Guidance Sign LED Retrofit Kit, RDR, Size 5	EA	3.00	\$1,500.00	\$4,500.00	\$1,700.00	\$5,100.00	\$1,700.00	\$5,100.00	\$1,900.00	\$5,700.00
21	Relocate Existing L-858 Airfield Guidance Sign to New PCC Pad	EA	6.00	\$2,150.00	\$12,900.00	\$7,575.00	\$45,450.00	\$7,575.00	\$45,450.00	\$8,500.00	\$51,000.00
22	Replace L-858 Airfield Guidance Sign Panel	EA	3.00	\$800.00	\$2,400.00	\$1,015.00	\$3,045.00	\$1,015.00	\$3,045.00	\$1,150.00	\$3,450.00
23	Install L-829 Constant Current Regulator, Class 1, Style 1, 7.5kW, 240V	EA	1.00	\$12,000.00	\$12,000.00	\$14,600.00	\$14,600.00	\$14,600.00	\$14,600.00	\$16,500.00	\$16,500.00
<b>TOTAL BID ALTERNATE NO. 1:</b>					<b>\$749,837.50</b>		<b>\$1,149,994.75</b>		<b>\$1,203,425.00</b>		<b>\$1,289,887.50</b>



# Bid Abstract

Project: **Buchanan Field Airport Runway 14L-32R Rehabilitation**  
 County No.: **4855-4661-SAS-6X5324**  
 Federal No.: **3-06-0050-025-2019**  
 Bids Opened: **Tuesday, June 25, 2019**  
 Addendum: **No. 1, June 19, 2019**  
 DBE Goal: **7.00%**

	4th Bidder	5th Bidder	6th Bidder
Name of Bidder:	<b>Martin Brothers Construction</b>	<b>Granite Rock Company</b>	<b>Bay Cities Paving &amp; Grading</b>
DIR Registration Number:	1000000017	1000000239	1000005981
Business Address:	8801 Folsom Boulevard, Suite 260 Sacramento, CA 95826	5225 Hellyer Avenue, Suite 220 San Jose, CA 95138	1450 Civic Ct., Bldg. B-#400 Concord, CA 94520
Mailing Address:	8801 Folsom Boulevard, Suite 260 Sacramento, CA 95826	same as above	PO Box 6227 Concord, CA 94520-6227
Business Phone:	(916) 381-0911	(408) 574-1400	(925) 687-6666
Fax No.:	(916) 381-0611	(408) 365-9548	(925) 687-2122
Email Address:	<a href="mailto:fmartin@martinbrothers.net">fmartin@martinbrothers.net</a>	<a href="mailto:estimating@graniterock.com">estimating@graniterock.com</a>	<a href="mailto:rolney@baycities.us">rolney@baycities.us</a>
Contact:	Felipe Martin, President	Patrick McDonald	Russ Olney, Estimator

BID ALTERNATIVE NO. 2					Engineer's Estimate	4th Bidder	5th Bidder	6th Bidder			
Item No.	Bid Item Description	Unit	Quantity	Unit Cost	Amount	Unit Bid	Amount	Unit Bid	Amount	Unit Bid	Amount
1	Joint and Crack Repair	LF	49,640.00	\$6.00	\$297,840.00	\$7.25	\$359,890.00	\$5.80	\$287,912.00	\$4.42	\$219,408.80
2	Concrete Spall Repair	SF	2,370.00	\$50.00	\$118,500.00	\$85.00	\$201,450.00	\$95.00	\$225,150.00	\$452.00	\$1,071,240.00
3	Markings, White with Type III Reflective Media, Final Application	SF	18,360.00	\$2.00	\$36,720.00	\$1.15	\$21,114.00	\$1.10	\$20,196.00	\$1.30	\$23,868.00
4	Markings, Yellow with Type I Reflective Media, Final Application	SF	2,500.00	\$2.00	\$5,000.00	\$0.65	\$1,625.00	\$0.60	\$1,500.00	\$0.75	\$1,875.00
5	Markings, Black, Final Application	SF	4,900.00	\$1.00	\$4,900.00	\$0.50	\$2,450.00	\$0.50	\$2,450.00	\$0.56	\$2,744.00
<b>TOTAL BID ALTERNATE NO. 2:</b>					<b>\$462,960.00</b>		<b>\$586,529.00</b>		<b>\$537,208.00</b>		<b>\$1,319,135.80</b>

<b>BASE BID:</b>	<b>\$3,572,650.00</b>	\$4,499,594.50	\$4,687,435.00	\$3,880,142.00
<b>TOTAL BID ALTERNATE NO. 1:</b>	<b>\$749,837.50</b>	\$1,149,994.75	\$1,203,425.00	\$1,289,887.50
<b>TOTAL BID ALTERNATE NO. 2:</b>	<b>\$462,960.00</b>	\$586,529.00	\$537,208.00	\$1,319,135.80
<b>BASE BID + BID ALTERNATE NO. 1:</b>	<b>\$4,322,487.50</b>	\$5,649,589.25	\$5,890,860.00	\$5,170,029.50
<b>BASE BID + BID ALTERNATE NO. 2:</b>	<b>\$4,035,610.00</b>	\$5,086,123.50	\$5,224,643.00	\$5,199,277.80
<b>BASE BID + BID ALTERNATE NO. 1 + BID ALTERNATE NO. 2:</b>	<b>\$4,785,447.50</b>	<b>\$6,236,118.25</b>	<b>\$6,428,068.00</b>	<b>\$6,489,165.30</b>
	Engineer's Estimate	4th Bidder	5th Bidder	6th Bidder





# Bid Abstract

Project: **Buchanan Field Airport Runway 14L-32R Rehabilitation**  
 County No.: **4855-4661-SAS-6X5324**  
 Federal No.: **3-06-0050-025-2019**  
 Bids Opened: **Tuesday, June 25, 2019**  
 Addendum: **No. 1, June 19, 2019**  
 DBE Goal: **7.00%**

	7th Bidder	8th Bidder
Name of Bidder:	<b>Ghilotti Construction Company, Inc.</b>	<b>Granite Construction Company</b>
DIR Registration Number:	1000003044	1000000085
Business Address:	264 Ghilotti Avenue Santa Rosa, CA 95407	715 Comstock Street Santa Clara, CA 95054
Mailing Address:	same as above	same as above
Business Phone:	(707) 585-1221	(408) 327-7000
Fax No.:	(707) 585-1601	(408) 327-7090
Email Address:	<a href="mailto:tom@ghilotti.com">tom@ghilotti.com</a>	<a href="mailto:karim.massoud@gcin.com">karim.massoud@gcin.com</a>
Contact:	Thomas Smith, Estimating Manager	Karim Massoud

BASE BID				Engineer's Estimate		7th Bidder		8th Bidder	
Item No.	Bid Item Description	Unit	Quantity	Unit Cost	Amount	Unit Bid	Amount	Unit Bid	Amount
1	Airfield Safety and Traffic Control	LS	1.00	\$80,000.00	<b>\$80,000.00</b>	<b>\$838,000.00</b>	<b>\$838,000.00</b>	<b>\$475,000.00</b>	<b>\$475,000.00</b>
2	Construction Staking and Survey Layout	LS	1.00	\$60,000.00	<b>\$60,000.00</b>	<b>\$200,000.00</b>	<b>\$200,000.00</b>	<b>\$400,000.00</b>	<b>\$400,000.00</b>
3	Airport Access and Haul Route Repair	SY	1,750.00	\$40.00	<b>\$70,000.00</b>	<b>\$40.00</b>	<b>\$70,000.00</b>	<b>\$50.00</b>	<b>\$87,500.00</b>
4	Recycled Shoulder Base	SY	220.00	\$10.00	<b>\$2,200.00</b>	<b>\$75.00</b>	<b>\$16,500.00</b>	<b>\$20.00</b>	<b>\$4,400.00</b>
5	Remove Airfield Light Fixture and Base Can	EA	26.00	\$500.00	<b>\$13,000.00</b>	<b>\$250.00</b>	<b>\$6,500.00</b>	<b>\$275.00</b>	<b>\$7,150.00</b>
6	Remove In-Pavement Fixture	EA	14.00	\$300.00	<b>\$4,200.00</b>	<b>\$320.00</b>	<b>\$4,480.00</b>	<b>\$340.00</b>	<b>\$4,760.00</b>
7	Remove Guidance Sign and PCC Pad	EA	6.00	\$750.00	<b>\$4,500.00</b>	<b>\$1,160.00</b>	<b>\$6,960.00</b>	<b>\$1,250.00</b>	<b>\$7,500.00</b>
8	Remove Miscellaneous Airfield Electrical Components	LS	1.00	\$2,250.00	<b>\$2,250.00</b>	<b>\$5,800.00</b>	<b>\$5,800.00</b>	<b>\$6,500.00</b>	<b>\$6,500.00</b>
9	Contractor Quality Control Program	LS	1.00	\$60,000.00	<b>\$60,000.00</b>	<b>\$35,000.00</b>	<b>\$35,000.00</b>	<b>\$75,000.00</b>	<b>\$75,000.00</b>
10	Prepare Storm Water Pollution Prevention Plan (SWPPP)	LS	1.00	\$5,000.00	<b>\$5,000.00</b>	<b>\$1,300.00</b>	<b>\$1,300.00</b>	<b>\$10,000.00</b>	<b>\$10,000.00</b>
11	Maintain Storm Water Pollution Prevention Plan (SWPPP)	LS	1.00	\$62,000.00	<b>\$62,000.00</b>	<b>\$75,000.00</b>	<b>\$75,000.00</b>	<b>\$250,000.00</b>	<b>\$250,000.00</b>
12	Mobilization	LS	1.00	\$100,000.00	<b>\$100,000.00</b>	<b>\$500,000.00</b>	<b>\$500,000.00</b>	<b>\$420,000.00</b>	<b>\$420,000.00</b>
13	Pavement Removal, Concrete	SY	2,250.00	\$20.00	<b>\$45,000.00</b>	<b>\$30.00</b>	<b>\$67,500.00</b>	<b>\$16.00</b>	<b>\$36,000.00</b>
14	Joint and Crack Repair	LF	41,190.00	\$2.50	<b>\$102,975.00</b>	<b>\$5.00</b>	<b>\$205,950.00</b>	<b>\$5.50</b>	<b>\$226,545.00</b>
15	Pavement Marking Removal	SF	17,570.00	\$1.00	<b>\$17,570.00</b>	<b>\$1.75</b>	<b>\$30,747.50</b>	<b>\$2.00</b>	<b>\$35,140.00</b>
16	Cold Milling, Full Depth	SY	6,190.00	\$6.00	<b>\$37,140.00</b>	<b>\$12.00</b>	<b>\$74,280.00</b>	<b>\$5.00</b>	<b>\$30,950.00</b>
17	Cold Milling, 4-inch Depth	SY	39,900.00	\$6.00	<b>\$239,400.00</b>	<b>\$10.00</b>	<b>\$399,000.00</b>	<b>\$5.00</b>	<b>\$199,500.00</b>
18	Cold Milling, 2-inch Depth	SY	19,520.00	\$6.00	<b>\$117,120.00</b>	<b>\$7.00</b>	<b>\$136,640.00</b>	<b>\$3.00</b>	<b>\$58,560.00</b>
19	Subgrade Preparation	SY	8,440.00	\$12.00	<b>\$101,280.00</b>	<b>\$5.00</b>	<b>\$42,200.00</b>	<b>\$3.50</b>	<b>\$29,540.00</b>
20	Asphalt Surface Course	TON	12,810.00	\$140.00	<b>\$1,793,400.00</b>	<b>\$125.00</b>	<b>\$1,601,250.00</b>	<b>\$120.00</b>	<b>\$1,537,200.00</b>
21	Emulsified Asphalt Tack Coat	TON	32.00	\$550.00	<b>\$17,600.00</b>	<b>\$1,000.00</b>	<b>\$32,000.00</b>	<b>\$1,200.00</b>	<b>\$38,400.00</b>
22	Asphalt Surface Treatment	SY	15,600.00	\$6.00	<b>\$93,600.00</b>	<b>\$3.00</b>	<b>\$46,800.00</b>	<b>\$4.00</b>	<b>\$62,400.00</b>
23	Runway Friction Testing	LS	1.00	\$10,000.00	<b>\$10,000.00</b>	<b>\$5,000.00</b>	<b>\$5,000.00</b>	<b>\$7,500.00</b>	<b>\$7,500.00</b>
24	Markings, Yellow with Type I Reflective Media, Initial Application	SF	10,370.00	\$2.00	<b>\$20,740.00</b>	<b>\$0.65</b>	<b>\$6,740.50</b>	<b>\$0.80</b>	<b>\$8,296.00</b>



# Bid Abstract

Project: **Buchanan Field Airport Runway 14L-32R Rehabilitation**  
 County No.: **4855-4661-SAS-6X5324**  
 Federal No.: **3-06-0050-025-2019**  
 Bids Opened: **Tuesday, June 25, 2019**  
 Addendum: **No. 1, June 19, 2019**  
 DBE Goal: **7.00%**

	7th Bidder	8th Bidder
Name of Bidder:	<b>Ghilotti Construction Company, Inc.</b>	<b>Granite Construction Company</b>
DIR Registration Number:	1000003044	1000000085
Business Address:	264 Ghilotti Avenue Santa Rosa, CA 95407	715 Comstock Street Santa Clara, CA 95054
Mailing Address:	same as above	same as above
Business Phone:	(707) 585-1221	(408) 327-7000
Fax No.:	(707) 585-1601	(408) 327-7090
Email Address:	<a href="mailto:tom@ghilotti.com">tom@ghilotti.com</a>	<a href="mailto:karim.massoud@gcin.com">karim.massoud@gcin.com</a>
Contact:	Thomas Smith, Estimating Manager	Karim Massoud

BASE BID (continued)				Engineer's Estimate		7th Bidder		8th Bidder	
Item No.	Bid Item Description	Unit	Quantity	Unit Cost	Amount	Unit Bid	Amount	Unit Bid	Amount
25	Markings, Yellow with Type I Reflective Media, Final Application	SF	10,370.00	\$1.00	\$10,370.00	\$0.65	\$6,740.50	\$0.80	\$8,296.00
26	Markings, White with Type III Reflective Media, Initial Application	SF	82,370.00	\$2.00	\$164,740.00	\$1.15	\$94,725.50	\$1.50	\$123,555.00
27	Markings, White with Type III Reflective Media, Final Application	SF	82,370.00	\$1.00	\$82,370.00	\$1.15	\$94,725.50	\$1.50	\$123,555.00
28	Markings, Black, Initial Application	SF	15,830.00	\$1.00	\$15,830.00	\$0.50	\$7,915.00	\$0.62	\$9,814.60
29	Markings, Black, Final Application	SF	15,830.00	\$0.50	\$7,915.00	\$0.50	\$7,915.00	\$0.62	\$9,814.60
30	Runway Grooving	SY	47,110.00	\$3.50	\$164,885.00	\$6.00	\$282,660.00	\$5.10	\$240,261.00
31	Topsoil (Furnished from Off Site)	CY	1,170.00	\$3.00	\$3,510.00	\$85.00	\$99,450.00	\$45.00	\$52,650.00
32	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit	LF	3,970.00	\$2.50	\$9,925.00	\$2.70	\$10,719.00	\$13.00	\$51,610.00
33	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Installed in Separate Trench, Including Connections/Terminations	LF	650.00	\$4.25	\$2,762.50	\$9.80	\$6,370.00	\$11.00	\$7,150.00
34	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Installed with Directional Bore, Including Connections/Terminations	LF	530.00	\$2.25	\$1,192.50	\$2.50	\$1,325.00	\$5.25	\$2,782.50
35	Non-Encased, Electrical Conduit, 1-Way 2-Inch Sch 40 PVC	LF	900.00	\$12.25	\$11,025.00	\$26.70	\$24,030.00	\$45.00	\$40,500.00
36	Directional Bore, Electrical Conduit, 1-Way 2-Inch HDPE	LF	530.00	\$35.00	\$18,550.00	\$27.00	\$14,310.00	\$50.00	\$26,500.00
37	Electrical Handhole, L-867, Size D	EA	1.00	\$1,000.00	\$1,000.00	\$1,470.00	\$1,470.00	\$1,550.00	\$1,550.00
38	Install Salvaged L-861T Elevated Taxiway Edge Light Fixture on New Base	EA	14.00	\$825.00	\$11,550.00	\$1,390.00	\$19,460.00	\$1,450.00	\$20,300.00
39	Relocate Existing L-858 Airfield Guidance Sign to New PCC Pad	EA	3.00	\$2,150.00	\$6,450.00	\$7,575.00	\$22,725.00	\$7,850.00	\$23,550.00
40	Replace L-858 Airfield Guidance Sign Panel	EA	2.00	\$800.00	\$1,600.00	\$1,365.00	\$2,730.00	\$2,700.00	\$5,400.00
<b>TOTAL BASE BID:</b>					<b>\$3,572,650.00</b>		<b>\$5,104,918.50</b>		<b>\$4,765,129.70</b>



# Bid Abstract

Project: **Buchanan Field Airport Runway 14L-32R Rehabilitation**  
 County No.: **4855-4661-SAS-6X5324**  
 Federal No.: **3-06-0050-025-2019**  
 Bids Opened: **Tuesday, June 25, 2019**  
 Addendum: **No. 1, June 19, 2019**  
 DBE Goal: **7.00%**

	7th Bidder	8th Bidder
Name of Bidder:	<b>Ghilotti Construction Company, Inc.</b>	<b>Granite Construction Company</b>
DIR Registration Number:	1000003044	1000000085
Business Address:	264 Ghilotti Avenue Santa Rosa, CA 95407	715 Comstock Street Santa Clara, CA 95054
Mailing Address:	same as above	same as above
Business Phone:	(707) 585-1221	(408) 327-7000
Fax No.:	(707) 585-1601	(408) 327-7090
Email Address:	<a href="mailto:tom@ghilotti.com">tom@ghilotti.com</a>	<a href="mailto:karim.massoud@gcin.com">karim.massoud@gcin.com</a>
Contact:	Thomas Smith, Estimating Manager	Karim Massoud

## BID ALTERNATIVE NO. 1

Item No.	Bid Item Description	Unit	Quantity	Engineer's Estimate		7th Bidder		8th Bidder	
				Unit Cost	Amount	Unit Bid	Amount	Unit Bid	Amount
1	Construction Staking and Survey Layout	LS	1.00	\$20,000.00	\$20,000.00	\$11,000.00	\$11,000.00	\$11,000.00	\$11,000.00
2	Remove Airfield Light Fixture and Base Can	EA	77.00	\$500.00	\$38,500.00	\$170.00	\$13,090.00	\$260.00	\$20,020.00
3	Remove Existing Taxiway Guidance Sign and PCC Pad	EA	6.00	\$750.00	\$4,500.00	\$1,100.00	\$6,600.00	\$1,140.00	\$6,840.00
4	Remove Miscellaneous Airfield Electrical Components	LS	1.00	\$7,500.00	\$7,500.00	\$40,000.00	\$40,000.00	\$41,500.00	\$41,500.00
5	No. 8 AWG, 5 kV, L-824, Type C Cable, Installed in Duct Bank or Conduit	LF	24,750.00	\$2.50	\$61,875.00	\$2.00	\$49,500.00	\$8.00	\$198,000.00
6	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Installed in Separate Trench, Including Connections/Terminations	LF	6,355.00	\$4.25	\$27,008.75	\$8.50	\$54,017.50	\$8.80	\$55,924.00
7	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Installed with Directional Bore, Including Connections/Terminations	LF	8,780.00	\$2.00	\$17,560.00	\$0.80	\$7,024.00	\$2.10	\$18,438.00
8	Non-Encased, Electrical Conduit, 1-Way 2-Inch Sch 40 PVC	LF	10,235.00	\$11.25	\$115,143.75	\$18.35	\$187,812.25	\$19.00	\$194,465.00
9	Directional Bore, Electrical Conduit, 1-Way 2-Inch HDPE	LF	800.00	\$35.00	\$28,000.00	\$22.00	\$17,600.00	\$23.00	\$18,400.00
10	Directional Bore, Electrical Conduit, 2-Way 3-Inch HDPE	LF	2,530.00	\$45.00	\$113,850.00	\$27.00	\$68,310.00	\$28.00	\$70,840.00
11	Electrical Handhole, L-867, Size D	EA	5.00	\$1,000.00	\$5,000.00	\$1,120.00	\$5,600.00	\$1,200.00	\$6,000.00
12	Electrical Junction Structure, Aircraft Rated with Spring Assisted Cover, 3'x3'x3'	EA	25.00	\$6,000.00	\$150,000.00	\$10,900.00	\$272,500.00	\$12,500.00	\$312,500.00
13	Install LED L-861 (L) Elevated Runway Edge Light and Base Can, Complete	EA	38.00	\$1,250.00	\$47,500.00	\$1,815.00	\$68,970.00	\$1,900.00	\$72,200.00
14	Install LED L-861E (L) Elevated Runway Threshold/End Light and Base Can, Complete	EA	32.00	\$1,250.00	\$40,000.00	\$1,815.00	\$58,080.00	\$1,900.00	\$60,800.00
15	Install LED L-852D (L) In-pavement Runway Light and Base Can, Complete	EA	6.00	\$2,000.00	\$12,000.00	\$2,850.00	\$17,100.00	\$3,000.00	\$18,000.00
16	Install L-858 Airfield Guidance Sign LED Retrofit Kit, 1 Module, Size 1	EA	12.00	\$800.00	\$9,600.00	\$1,200.00	\$14,400.00	\$1,250.00	\$15,000.00
17	Install L-858 Airfield Guidance Sign LED Retrofit Kit, 2 Module, Size 1	EA	2.00	\$1,000.00	\$2,000.00	\$1,425.00	\$2,850.00	\$1,500.00	\$3,000.00
18	Install L-858 Airfield Guidance Sign LED Retrofit Kit, 3 Module, Size 1	EA	8.00	\$1,200.00	\$9,600.00	\$1,200.00	\$9,600.00	\$1,250.00	\$10,000.00
19	Install L-858 Airfield Guidance Sign LED Retrofit Kit, 4 Module, Size 1	EA	6.00	\$1,400.00	\$8,400.00	\$2,040.00	\$12,240.00	\$2,150.00	\$12,900.00
20	Install L-858 Airfield Guidance Sign LED Retrofit Kit, RDR, Size 5	EA	3.00	\$1,500.00	\$4,500.00	\$1,700.00	\$5,100.00	\$1,760.00	\$5,280.00
21	Relocate Existing L-858 Airfield Guidance Sign to New PCC Pad	EA	6.00	\$2,150.00	\$12,900.00	\$7,575.00	\$45,450.00	\$7,850.00	\$47,100.00
22	Replace L-858 Airfield Guidance Sign Panel	EA	3.00	\$800.00	\$2,400.00	\$1,015.00	\$3,045.00	\$1,050.00	\$3,150.00
23	Install L-829 Constant Current Regulator, Class 1, Style 1, 7.5kW, 240V	EA	1.00	\$12,000.00	\$12,000.00	\$14,600.00	\$14,600.00	\$15,200.00	\$15,200.00
<b>TOTAL BID ALTERNATE NO. 1:</b>						<b>\$749,837.50</b>		<b>\$984,488.75</b>	<b>\$1,216,557.00</b>



# Bid Abstract

Project: **Buchanan Field Airport Runway 14L-32R Rehabilitation**  
 County No.: **4855-4661-SAS-6X5324**  
 Federal No.: **3-06-0050-025-2019**  
 Bids Opened: **Tuesday, June 25, 2019**  
 Addendum: **No. 1, June 19, 2019**  
 DBE Goal: **7.00%**

	7th Bidder	8th Bidder
Name of Bidder:	<b>Ghilotti Construction Company, Inc.</b>	<b>Granite Construction Company</b>
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Fax No.:	(707) 585-1601	(408) 327-7090
Email Address:	<a href="mailto:tom@ghilotti.com">tom@ghilotti.com</a>	<a href="mailto:karim.massoud@gcin.com">karim.massoud@gcin.com</a>
Contact:	Thomas Smith, Estimating Manager	Karim Massoud

BID ALTERNATIVE NO. 2					Engineer's Estimate	7th Bidder	8th Bidder		
Item No.	Bid Item Description	Unit	Quantity	Unit Cost	Amount	Unit Bid	Amount	Unit Bid	Amount
1	Joint and Crack Repair	LF	49,640.00	\$6.00	\$297,840.00	\$6.00	\$297,840.00	\$6.00	\$297,840.00
2	Concrete Spall Repair	SF	2,370.00	\$50.00	\$118,500.00	\$60.00	\$142,200.00	\$262.00	\$620,940.00
3	Markings, White with Type III Reflective Media, Final Application	SF	18,360.00	\$2.00	\$36,720.00	\$1.15	\$21,114.00	\$1.90	\$34,884.00
4	Markings, Yellow with Type I Reflective Media, Final Application	SF	2,500.00	\$2.00	\$5,000.00	\$0.65	\$1,625.00	\$1.90	\$4,750.00
5	Markings, Black, Final Application	SF	4,900.00	\$1.00	\$4,900.00	\$0.50	\$2,450.00	\$1.60	\$7,840.00
<b>TOTAL BID ALTERNATE NO. 2:</b>					<b>\$462,960.00</b>		<b>\$465,229.00</b>		<b>\$966,254.00</b>

<b>BASE BID:</b>	<b>\$3,572,650.00</b>	\$5,104,918.50	\$4,765,129.70
<b>TOTAL BID ALTERNATE NO. 1:</b>	<b>\$749,837.50</b>	\$984,488.75	\$1,216,557.00
<b>TOTAL BID ALTERNATE NO. 2:</b>	<b>\$462,960.00</b>	\$465,229.00	\$966,254.00
<b>BASE BID + BID ALTERNATE NO. 1:</b>	<b>\$4,322,487.50</b>	\$6,089,407.25	\$5,981,686.70
<b>BASE BID + BID ALTERNATE NO. 2:</b>	<b>\$4,035,610.00</b>	\$5,570,147.50	\$5,731,383.70
<b>BASE BID + BID ALTERNATE NO. 1 + BID ALTERNATE NO. 2:</b>	<b>\$4,785,447.50</b>	<b>\$6,554,636.25</b>	<b>\$6,947,940.70</b>
	Engineer's Estimate	7th Bidder	8th Bidder