



LOS ANGELES METRO ORANGE (G) LINE IMPROVEMENTS CONSTRUCTION SUPPORT SERVICES CONSULTANT

Los Angeles County Metro Transportation Authority | March 18, 2021 2:00pm

TAB 1

COVER LETTER, STAFFING MATRIX, COST PROPOSAL 1 & 2



Metro Orange Line Van Nuys Station

March 18, 2021

500 S. Main Street, Ste. 1200
Orange, CA 92868-4507
Telephone 714.550.4665

RFP No. PS70129 Cost Proposal

Los Angeles County Metropolitan
Transportation Authority
One Gateway Plaza
Los Angeles, CA 90012 – 2952

Attention: Helen Gates-Bryant, Principal Contract Administrator

RE: REQUEST FOR PROPOSAL CONTRACT NO. RFP No. PS70129
Metro Orange Line (G Line) Improvements Construction Support Services Consultant (CSSC) –
Cost Proposal 1 & 2

Dear Helen Gates-Bryant:

Biggs Cardosa is pleased to submit our Cost and Fee proposals (Cost Proposal #1 and #2) to provide Construction Management Support for the Metro Orange Line (G Line) Improvement Project.

We had prepared two cost proposal, namely Cost Proposal #1 & #2 that considers a combination of the overall contracting method, as requested by Metro for the successful delivery of those projects.

Enclose within, are the followings:

Cost Proposal #1

I. Our CSSC Services 'Cost Proposal #1' for Year 1, 2, 3, 4 and 5, which is in line with the 4th paragraph of section 1.4 Volume III - Cost Proposal Tab 1 & 2 BASE YEAR and covers the entire Scope of Services, including information for the Proposer and members of its team. Cost Proposal #1 includes all proposed applicable direct labor by name and by labor category and we specified the number of hours to be dedicated to the project and hourly direct labor rate for each.

Cost Proposal #1 is based on 5 Years as per the duration provided under Exhibit 6 included part of Addendum 2. It includes the total hours per person per calendar years for a period of 5 Years as requested per the RFP and its Addendums, summarized according to the followings:

- a) The Total Cost for the 5 Year Period: **\$22,891,430.04**
- b) Signed Form 60 of Exhibit 2 of the RFP Proposer and all Subcontractors for each year
- c) Proposers and Subcontractors copies of audit performed by a cognizant audit agency / audit letters or equivalent of the overhead rate
- d) Form 1, 2, 3, 4, 5A, 5B and Metro Certification Letter.

Cost Proposal #2

II. Our CSSC Services for 'Cost Proposal #2' for Year 1, 2, 3, 4 and 5 details the exact hours per person per calendar year, as described on Exhibit 6 CSSC Staffing Plan of Addendum #2 issued on February 19, 2021.

- a) The Total Cost for the 5 Year Period: **\$15,820,330.00**

It is our understanding that Metro needs all proposers to present their cost proposals following exactly the distribution of hours on Exhibit 6 CSSC Staffing Plan of Addendum #2 in order to be able to make



an equitable "apples-to-apples" comparison between proposers. We also understand that as per the RFP section 1.4, the purpose of Cost Proposal #2 is for evaluation only as this is a selection factor. This is reflected in our Cost Proposal # 2.

Construction Support Services Consultant Proposed Cost Proposal

We had compared and weighed all the benefits and drawbacks of the two cost proposals. The two proposals have been prepared with thoughtful consideration of Metro invested overall project intentions and purpose, as well identifying reasonable opportunities for achieving above and beyond the expected objectives.


For many reasons, we believe that several positions listed in the scope of services are not represented in the CSSC Staffing Plan provided by Metro under Exhibit 6 CSSC of Addendum #2 issued on February 19, 2021 and in our Cost Proposal #2. For example: A Flagger is nominated in Attachment A of the RFP whereas it has been omitted from the Exhibit 6; Section F (pg. 20) of the RFP states the CSSC may be required to assist and support LACMTA with coordinating environmental issues; and lastly but not all, the RFP requires the CSSC to assist and support coordinating survey work. We also anticipate critical geotechnical inspection, quality management and Material IQA, system/signal design review and design management among other specialties outlined in our staffing matrix needed to support the progressive design/build process.

In summary, please see the attached cost proposal spreadsheet of the proposed services for Cost Proposal #1 and #2 for the Metro Orange Line (G Line) Improvements Project for your consideration. Biggs Cardosa Associates, Inc. proposes to provide the Construction Support Services outlined in this proposal for a **fixed fee of \$22,891,430.04 for Cost Proposal #1 and \$15,820,330.00 for Cost Proposal #2.**

We look forward to working with LACMTA to successfully deliver the Metro Orange Line (G Line) Improvement Project. If you have any questions please don't hesitate to contact me.

Sincerely,

BIGGS CARDOSA ASSOCIATES, INC.



Michael Thomas, SE
Project Director
Email: mthomas@biggscardosa.com

BIGGS CARDOSA ASSOCIATES, INC.

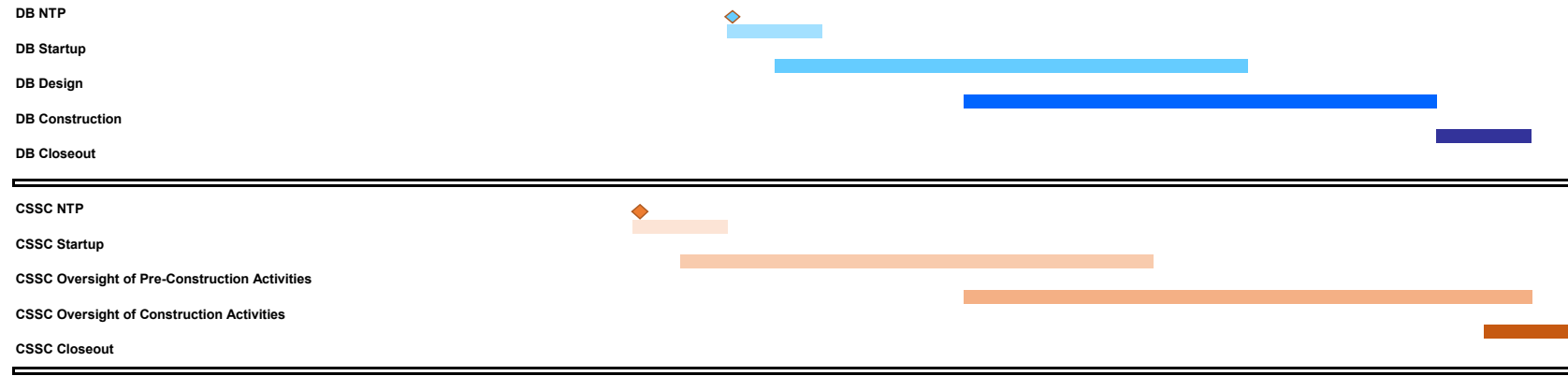


Mazen Mneimneh, P.E.
Deputy Project Director
Email: mmneimneh@biggscardosa.com

LOS ANGELES METRO ORANGE (G) LINE IMPROVEMENTS - CONSTRUCTION SUPPORT SERVICES (COST PROPOSAL 1)

RFP No. PS70129

STAFFING MATRIX



CONSULTANT NAME	NAME / LABOR CATEGORY	DESIGNATION	Year 1				Year 2				Year 3				Year 4				Year 5			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
BCA	Michael Thomas, SE	Project Director (KEY)	50%	75%	75%	75%	60%	60%	60%	60%	50%	50%	50%	50%	50%	50%	50%	50%	35%	25%	10%	10%
BCA	Mazen Mneimneh, PE	Deputy Project Director (KEY)	25%	25%	25%	25%	25%	50%	50%	50%	75%	75%	75%	75%	75%	75%	75%	75%	75%	50%	25%	25%
BCA	John Scott, PE	Resident Engineer/Structures Rep (KEY)					25%	50%	75%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	30%	25%
BCA	Bruce (Alt. Lauren)	Project/Field Engineer (Office Engineer)	25%	25%	50%	50%	50%	50%	50%	75%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	75%	50%
BCA	Tom Denford	Design Oversight Manager			10%	20%	30%	40%	50%	50%	50%	35%	35%	20%	15%	10%	10%	10%	10%	10%	10%	10%
BCA	John Wong, PE	Design Review Support (As Needed)																				
BCA	Socorro (Alt. Ardy)	Lead/Structures Construction Inspector (KEY)							50%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	75%	50%	50%
BCA	Anna Mendiola	Landscaping Construction Inspector												10%	10%	25%	75%	75%	25%	10%		
BCA	Kelly Markwick	Project Administration	25%	25%	35%	35%	35%	35%	35%	50%	50%	50%	75%	75%	75%	75%	75%	75%	50%	35%	25%	25%
ANSER	Robert Delgado, CHST	Safety Manager (KEY)		10%	10%	50%	50%	50%	50%	30%	30%	30%	30%	20%	20%	20%	20%	20%	20%	10%	10%	10%
ANSER	Anthony Le	Senior Cost Analyst (KEY)	25%	50%	50%	50%	50%	50%	50%	25%	25%	25%	25%	25%	25%	25%	25%	25%	10%	10%	10%	10%
ANSER	Pavel Raskin	Estimator				25%	50%	100%	100%	100%	100%	100%	50%	50%	50%	50%	50%	50%	15%	15%		
ANSER	Shawn Paroline	Risk Manager (As Needed)																				
ANSER	Kevin Lai	Claims Manager (As Needed)																				
MNS	John Spalione, PE	Assistant Resident Engineer (KEY)							25%	100%	100%	100%	100%	100%	100%	100%	100%	100%				
MNS	George Haines	Senior Construction Inspector (CIVIL)									50%	100%	100%	100%	100%	100%	100%	100%	75%	50%	25%	
ZEPHYR	Jose Romero	Safety Officer						50%	50%	50%	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	50%	
ZEPHYR	Nick Moskos	Flagger							50%	50%	50%	100%	100%	100%	100%	100%	100%	100%	100%	50%	50%	
AMG	Joy Bhattacharya	Signal/Systems Design Review/DB Coordinator (KEY)		25%	25%	25%	30%	40%	40%	40%	30%	30%	25%	25%	25%	25%	25%	25%	10%			
AMG	Leonard Gilliana	Senior Construction inspector (System/Signal) (KEY)											50%	50%	50%	50%	50%	50%	50%	50%	25%	
ATLAS	Jinesh Mehta	Quality Control Manager		0%	25%	50%	50%	50%	50%	75%	75%	75%	75%	50%	50%	50%	50%	25%	25%	25%		
ATLAS	Issac Harris	Material Testing IQA									25%	25%	50%	50%	50%	50%	50%	50%	40%	20%		
PACIFICA	Kate Suenram	Third Party/Utilities Coordinator			25%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	25%	25%	25%	10%	10%	10%	10%
MAARS	Micaela Arellano	Document Control			25%	50%	50%	50%	50%	75%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
NSI	Laura Uden	Quality Manager (KEY)	15%	25%	35%	41%	55%	55%	55%	51%	49%	49%	49%	48%	49%	49%	49%	48%	49%	49%	49%	48%
DIAZ YOURMAN & ASSOCIATES	Jorge G. Sandoval	Geotechnical Construction Inspector									25%	50%	50%	50%	50%	50%	50%	25%				
GPA	Richard Galvin	Environmental Compliance Officer					5%	5%	5%	13%	13%	5%	5%	5%	3%	3%	3%	3%	3%	3%	3%	3%
GPA	George Gorman	Sr. Environmental Planner					5%	5%	5%	13%	13%	5%	5%	5%	3%	3%	3%	3%	3%	3%	3%	3%
CAPO	Adam Brown	Schedule Reviewer			25%	50%	50%	50%	50%	50%	50%	50%	50%	25%	25%	25%	25%	25%	25%	25%	25%	25%
GUIDA	Tim Fettig	Surveying IQA									25%	25%	25%	25%	10%	10%	10%	10%				
CASAMAR	ALLISON COSTA	SWPPP Compliance Officer					10%	10%	10%	25%	25%	25%	25%	25%	10%	10%	10%	10%	10%	10%	10%	10%

Staffing Level for CSSC Team (FTE's)	1.7	2.9	4.4	6.0	6.8	8.5	10.4	12.3	14.6	15.7	15.7	15.4	15.1	14.7	14.5	15.0	12.1	8.2	6.0	4.0
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LOS ANGELES METRO ORANGE (G) LINE IMPROVEMENTS - CONSTRUCTION SUPPORT SERVICES (COST PROPOSAL 1)

RFP No. PS70129

CONSULTANT NAME	NAME / LABOR CATEGORY	DESIGNATION	Year 1				Year 2				Year 3				Year 4				Year 5				Total Hours	Total All Years
			Hours	Base Hourly Rate	Hourly Rate	Total Cost (\$)	Hours	Base Hourly Rate	Hourly Rate	Total Cost (\$)	Hours	Base Hourly Rate	Hourly Rate	Total Cost (\$)	Hours	Base Hourly Rate	Hourly Rate	Total Cost (\$)	Hours	Base Hourly Rate	Hourly Rate	Total Cost (\$)		
BCA	Michael Thomas, SE	Project Director (KEY)	1419	\$ 107.31	\$ 316.50	\$ 449,118.23	1238.4	\$ 110.53	\$ 326.00	\$ 403,716.46	1032	\$ 113.85	\$ 335.78	\$ 346,523.29	1032	\$ 117.26	\$ 345.85	\$ 356,918.99	412.8	\$ 120.78	\$ 356.23	\$ 147,050.63	5134	\$ 1,703,327.60
BCA	Mazen Mneimneh, PE	Deputy Project Director (KEY)	516	\$ 101.50	\$ 299.37	\$ 154,473.45	903	\$ 104.55	\$ 308.35	\$ 278,438.39	1548	\$ 107.68	\$ 317.60	\$ 491,642.64	1548	\$ 110.91	\$ 327.13	\$ 506,391.92	903	\$ 114.24	\$ 336.94	\$ 304,257.14	5418	\$ 1,735,203.54
BCA	John Scott, PE	Resident Engineer/Structures Rep (KEY)	0	\$ 95.00	\$ 280.20	\$ -	1290	\$ 97.85	\$ 288.60	\$ 372,296.23	2064	\$ 100.79	\$ 297.26	\$ 613,544.18	2064	\$ 103.81	\$ 306.18	\$ 631,950.51	1057.8	\$ 106.92	\$ 315.36	\$ 333,590.87	6476	\$ 1,951,381.79
BCA	Bruce (Alt. Lauren)	Project/Field Engineer (Office Engineer)	774	\$ 61.26	\$ 180.68	\$ 139,847.93	1161	\$ 63.10	\$ 186.10	\$ 216,065.05	2064	\$ 64.99	\$ 191.69	\$ 395,639.12	2064	\$ 66.94	\$ 197.44	\$ 407,508.29	1677	\$ 68.95	\$ 203.36	\$ 341,033.50	7740	\$ 1,500,093.90
BCA	Tom Denford	Design Oversight Manager	154.8	\$ 78.75	\$ 232.27	\$ 35,955.03	877.2	\$ 81.11	\$ 239.24	\$ 209,857.50	877.2	\$ 83.55	\$ 246.41	\$ 216,153.23	283.8	\$ 86.05	\$ 253.81	\$ 72,029.88	206.4	\$ 88.63	\$ 261.42	\$ 53,956.93	2399	\$ 587,952.58
BCA	John Wong, PE	Design Review Support (As Needed)	0	\$ 45.29	\$ 133.58	\$ -	0	\$ 46.65	\$ 137.59	\$ -	0	\$ 48.05	\$ 141.71	\$ -	0	\$ 49.49	\$ 145.97	\$ -	0	\$ 50.97	\$ 150.35	\$ -	0	\$ -
BCA	Socorro (Alt. Ardy)	Lead/Structures Construction Inspector (KEY)	0	\$ 66.35	\$ 195.69	\$ -	774	\$ 68.34	\$ 201.57	\$ 156,011.71	2064	\$ 70.39	\$ 207.61	\$ 428,512.17	2064	\$ 72.50	\$ 213.84	\$ 441,367.54	1419	\$ 74.68	\$ 220.26	\$ 312,543.39	6321	\$ 1,338,434.81
BCA	Anna Mendiola	Landscaping Construction Inspector	0	\$ 69.07	\$ 203.72	\$ -	0	\$ 71.14	\$ 209.83	\$ -	0	\$ 73.28	\$ 216.12	\$ -	619.2	\$ 75.47	\$ 222.61	\$ 137,838.38	567.6	\$ 77.74	\$ 229.29	\$ 130,142.41	1187	\$ 267,980.79
BCA	Kelly Markwick	Project Administration	619.2	\$ 41.25	\$ 121.66	\$ 75,334.34	799.8	\$ 42.49	\$ 125.31	\$ 100,226.06	1290	\$ 43.76	\$ 129.07	\$ 166,504.59	1548	\$ 45.07	\$ 132.95	\$ 205,799.67	696.6	\$ 46.43	\$ 136.93	\$ 95,388.15	4954	\$ 643,252.81
ANSER	Robert Delgado, CHST	Safety Manager (KEY)	361.2	\$ 95.19	\$ 220.89	\$ 79,786.95	928.8	\$ 98.05	\$ 227.53	\$ 211,330.71	567.6	\$ 100.99	\$ 234.35	\$ 133,018.96	412.8	\$ 104.02	\$ 241.38	\$ 99,643.58	258	\$ 107.14	\$ 248.62	\$ 64,145.20	2528	\$ 587,925.40
ANSER	Anthony Le	Senior Cost Analyst (KEY)	903	\$ 87.32	\$ 202.63	\$ 182,976.06	903	\$ 89.94	\$ 208.71	\$ 188,466.18	516	\$ 92.64	\$ 214.98	\$ 110,927.97	516	\$ 95.42	\$ 221.43	\$ 114,256.76	206.4	\$ 98.28	\$ 228.06	\$ 47,072.54	3044	\$ 643,699.52
ANSER	Pavel Raskin	Estimator	129	\$ 82.00	\$ 190.29	\$ 24,546.88	1806	\$ 84.46	\$ 195.99	\$ 353,966.06	1548	\$ 86.99	\$ 201.87	\$ 312,487.82	1032	\$ 89.60	\$ 207.92	\$ 214,575.69	154.8	\$ 92.29	\$ 214.16	\$ 33,152.66	4670	\$ 938,729.11
ANSER	Shawn Paroline	Risk Manager (As Needed)	0	\$ 79.33	\$ 184.09	\$ -	0	\$ 81.71	\$ 189.61	\$ -	0	\$ 84.16	\$ 195.30	\$ -	0	\$ 86.96	\$ 201.80	\$ -	0	\$ 89.29	\$ 207.20	\$ -	0	\$ -
ANSER	Kevin Lai	Claims Manager (As Needed)	0	\$ 110.58	\$ 256.61	\$ -	0	\$ 113.90	\$ 264.31	\$ -	0	\$ 117.31	\$ 272.22	\$ -	0	\$ 120.83	\$ 280.39	\$ -	0	\$ 124.46	\$ 288.82	\$ -	0	\$ -
MNS	John Spalione, PE	Assistant Resident Engineer (KEY)	0	\$ 90.66	\$ 243.31	\$ -	645	\$ 93.38	\$ 250.61	\$ 161,643.99	2064	\$ 96.18	\$ 258.13	\$ 532,778.60	2064	\$ 99.07	\$ 265.87	\$ 548,761.95	0	\$ 102.04	\$ 273.85	\$ -	4773	\$ 1,243,184.54
MNS	George Haines	Senior Construction Inspector (CIVIL)	0	\$ 67.00	\$ 179.81	\$ -	0	\$ 68.00	\$ 182.50	\$ -	1806	\$ 69.00	\$ 185.18	\$ 334,436.56	2064	\$ 70.00	\$ 187.86	\$ 387,752.53	774	\$ 71.00	\$ 190.55	\$ 147,484.45	4644	\$ 869,673.54
ZEPHYR	Jose Romero	Safety Officer	0	\$ 55.00	\$ 121.54	\$ -	774	\$ 55.00	\$ 121.54	\$ 94,075.44	2064	\$ 56.65	\$ 125.19	\$ 258,393.88	2064	\$ 58.35	\$ 128.95	\$ 266,147.98	1032	\$ 60.10	\$ 132.81	\$ 137,065.07	5934	\$ 755,682.38
ZEPHYR	Nick Moskos	Flagger	0	\$ 65.00	\$ 143.64	\$ -	516	\$ 65.00	\$ 143.64	\$ 74,120.05	1806	\$ 65.00	\$ 143.64	\$ 259,420.16	2064	\$ 66.95	\$ 147.95	\$ 305,374.59	1032	\$ 68.96	\$ 152.39	\$ 157,271.33	5418	\$ 796,186.13
AMG	Joy Bhattacharya	Signal/Systems Design Review/DB Coordinator (KEY)	387	\$ 110.73	\$ 294.11	\$ 113,818.84	774	\$ 115.16	\$ 305.87	\$ 236,743.18	567.6	\$ 119.77	\$ 318.10	\$ 180,556.13	516	\$ 124.56	\$ 330.83	\$ 170,707.62	51.6	\$ 129.54	\$ 344.06	\$ 17,753.59	2296	\$ 719,579.36
AMG	Leonard Gilliana	Senior Construction inspector (System/Signal) (KEY)	0	\$ -	\$ -	\$ -	0	\$ 70.00	\$ 185.92	\$ -	516	\$ 72.80	\$ 193.36	\$ 99,774.36	1032	\$ 75.71	\$ 201.10	\$ 207,530.67	645	\$ 78.74	\$ 209.14	\$ 134,894.94	2193	\$ 442,199.98
ATLAS	Jinesh Mehta	Quality Control Manager	645	\$ 95.00	\$ 242.50	\$ 156,414.24	1290	\$ 95.00	\$ 242.50	\$ 312,828.48	1290	\$ 95.00	\$ 242.50	\$ 312,828.48	774	\$ 95.00	\$ 242.50	\$ 187,697.09	129	\$ 95.00	\$ 242.50	\$ 31,282.85	4128	\$ 1,001,051.15
ATLAS	Issac Harris	Material Testing IQA	0	\$ 58.54	\$ 149.43	\$ -	0	\$ 58.54	\$ 149.43	\$ -	774	\$ 58.54	\$ 149.43	\$ 115,660.92	1032	\$ 58.54	\$ 149.43	\$ 154,214.56	309.6	\$ 58.54	\$ 149.43	\$ 46,264.37	2116	\$ 316,139.85
PACIFICA	Kate Suenram	Third Party/Utilities Coordinator	387	\$ 110.00	\$ 265.96	\$ 102,925.75	1032	\$ 113.30	\$ 273.94	\$ 282,702.72	1032	\$ 116.70	\$ 282.16	\$ 291,186.29	645	\$ 120.20	\$ 290.62	\$ 187,449.62	206.4	\$ 123.80	\$ 299.32	\$ 61,780.40	3302	\$ 926,044.77
MAARS	Micaela Arellano	Document Control	387	\$ 37.00	\$ 84.30	\$ 32,623.95	1161	\$ 38.11	\$ 86.83	\$ 100,808.01	2064	\$ 39.25	\$ 89.43	\$ 184,590.67	2064	\$ 40.43	\$ 92.12	\$ 190,128.39	2064	\$ 41.64	\$ 94.88	\$ 195,832.24	7740	\$ 703,983.25
NSI	Laura Uden	Quality Manager (KEY)	599	\$ 99.33	\$ 237.81	\$ 142,445.77	1116	\$ 102.31	\$ 244.94	\$ 273,353.45	1008	\$ 105.80	\$ 253.30	\$ 255,322.15	1008	\$ 108.54	\$ 259.86	\$ 261,934.46	1008	\$ 111.80	\$ 267.66	\$ 269,801.66	4739	\$ 1,202,857.49
DIAZ YOURMA	Jorge G. Sandoval	Geotechnical Construction Inspector	0	\$ 57.08	\$ 186.92	\$ -	0	\$ 58.51	\$ 191.60	\$ -	903	\$ 59.97	\$ 196.38	\$ 177,333.58	1032	\$ 61.47	\$ 201.29	\$ 207,733.61	129	\$ 63.01	\$ 206.32	\$ 26,615.87	2064	\$ 411,683.06
GPA	Richard Galvin	Environmental Compliance Officer	0	\$ 99.00	\$ 308.50	\$ -	141.9	\$ 101.97	\$ 317.76	\$ 45,089.85	141.9	\$ 105.03	\$ 327.29	\$ 46,442.54	51.6	\$ 108.18	\$ 337.11	\$ 17,394.84	38.7	\$ 111.43	\$ 347.22	\$ 13,437.52	374	\$ 122,364.74
GPA	George Gorman	Sr. Environmental Planner	0	\$ 54.47	\$ 169.74	\$ -	141.9	\$ 56.10	\$ 174.83	\$ 24,808.52	141.9	\$ 57.79	\$ 180.08	\$ 25,552.78	51.6	\$ 59.52	\$ 185.48	\$ 9,570.68	38.7	\$ 61.31	\$ 191.04	\$ 7,393.35	374	\$ 67,325.33
CAPO	Adam Brown	Schedule Reviewer	387	\$ 60.10	\$ 138.82	\$ 53,724.16	1032	\$ 61.90	\$ 142.99	\$ 147,562.36	903	\$ 63.76	\$ 147.28	\$ 132,990.57	516	\$ 65.67	\$ 151.69	\$ 78,274.45	516	\$ 67.64	\$ 156.25	\$ 80,622.69	3354	\$ 493,174.22
GUIDA	Tim Fettig	Surveying IQA	0	\$ 79.20	\$ 264.10	\$ -	0	\$ 81.58	\$ 272.02	\$ -	516	\$ 84.02	\$ 280.18	\$ 144,572.36	206.4	\$ 86.54	\$ 288.58	\$ 59,563.81	0	\$ 89.14	\$ 297.24	\$ -	722	\$ 204,136.17
CASAMAR	ALLISON COSTA	SWPPP Compliance Officer	0	\$ 61.07	\$ 141.07	\$ -	283.8	\$ 62.90	\$ 145.30	\$ 41,237.23	516	\$ 64.79	\$ 149.66	\$ 77,226.09	283.8	\$ 66.73	\$ 154.15	\$ 43,748.58	154.8	\$ 68.73	\$ 158.78	\$ 24,578.75	1238	\$ 186,790.65

105,282 \$ 22,360,038

LOS ANGELES METRO ORANGE (G) LINE IMPROVEMENTS - CONSTRUCTION SUPPORT SERVICES (COST PROPOSAL 1)
RFP No. PS70129

OTHER DIRECT COSTS	Year 1	Year 2	Year 3	Year 4	Year 5
BIGGS CARDOSA ASSOCIATES, INC.	\$ 15,500.00	\$ 21,000.00	\$ 21,000.00	\$ 21,000.00	\$ 21,000.00
ANSER ADVISORY LLC	\$ -	\$ -	\$ -	\$ -	\$ -
MNS ENGINEERS, INC	\$ -	\$ -	\$ -	\$ -	\$ -
ZEPHYR UAS, INC	\$ -	\$ 5,000.00	\$ 21,000.00	\$ 24,000.00	\$ 24,000.00
AMG ADVANCED MOBILITY GROUP	\$ 8,000.00	\$ 9,600.00	\$ 10,080.00	\$ 10,584.00	\$ 11,113.20
ALTA VISTA SOLUTIONS & ATLAS COMPANY	\$ -	\$ -	\$ -	\$ -	\$ -
PACIFICA SERVICES, INC	\$ -	\$ -	\$ -	\$ -	\$ -
MAARS SERVICES, INC	\$ -	\$ -	\$ -	\$ -	\$ -
NSI ENGINEERING, INC	\$ -	\$ -	\$ -	\$ -	\$ -
DIAZ YOURMAN & ASSOCIATES	\$ -	\$ -	\$ -	\$ -	\$ -
GPA CONSULTING	\$ -	\$ -	\$ -	\$ -	\$ -
CAPO PROJECTS GROUP, LLC	\$ -	\$ -	\$ -	\$ -	\$ -
GUIDA SURVEYING, INC	\$ -	\$ -	\$ 1,456.00	\$ 1,456.00	\$ -
CASAMAR GROUP	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL DIRECT COSTS	\$ 23,500.00	\$ 35,600.00	\$ 53,536.00	\$ 57,040.00	\$ 56,113.20

TRAVEL	Year 1	Year 2	Year 3	Year 4	Year 5
BIGGS CARDOSA ASSOCIATES, INC.	\$ -	\$ -	\$ -	\$ -	\$ -
ANSER ADVISORY LLC	\$ -	\$ -	\$ -	\$ -	\$ -
MNS ENGINEERS, INC	\$ -	\$ -	\$ -	\$ -	\$ -
ZEPHYR UAS, INC	\$ -	\$ -	\$ -	\$ -	\$ -
AMG ADVANCED MOBILITY GROUP	\$ 39,050.00	\$ 58,575.00	\$ 61,503.75	\$ 64,578.94	\$ 67,807.88
ALTA VISTA SOLUTIONS & ATLAS COMPANY	\$ -	\$ -	\$ -	\$ -	\$ -
PACIFICA SERVICES, INC	\$ -	\$ -	\$ -	\$ -	\$ -
MAARS SERVICES, INC	\$ -	\$ -	\$ -	\$ -	\$ -
NSI ENGINEERING, INC	\$ -	\$ -	\$ -	\$ -	\$ -
DIAZ YOURMAN & ASSOCIATES	\$ -	\$ -	\$ -	\$ -	\$ -
GPA CONSULTING	\$ -	\$ -	\$ -	\$ -	\$ -
CAPO PROJECTS GROUP, LLC	\$ 1,625.40	\$ 4,334.40	\$ 3,792.60	\$ 2,167.20	\$ 2,167.20
GUIDA SURVEYING, INC	\$ -	\$ -	\$ -	\$ -	\$ -
CASAMAR GROUP	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL DIRECT COSTS	\$ 40,675.40	\$ 62,909.40	\$ 65,296.35	\$ 66,746.14	\$ 69,975.08

CM SERVICES (PER YEAR)	Year 1	Year 2	Year 3	Year 4	Year 5	Total All Years	SBE	DVBE
BIGGS CARDOSA ASSOCIATES, INC.	\$ 870,228.98	\$ 1,757,611.41	\$ 2,679,519.22	\$ 2,780,805.19	\$ 1,738,963.02	\$ 9,827,127.82		
ANSER ADVISORY LLC	\$ 287,309.90	\$ 753,762.95	\$ 556,434.75	\$ 428,476.03	\$ 144,370.40	\$ 2,170,354.03		
MNS ENGINEERS, INC	\$ -	\$ 161,643.99	\$ 867,215.16	\$ 936,514.49	\$ 147,484.45	\$ 2,112,858.08		
ZEPHYR UAS, INC	\$ -	\$ 173,195.49	\$ 538,814.04	\$ 595,522.57	\$ 318,336.40	\$ 1,625,868.51	7.10%	
AMG ADVANCED MOBILITY GROUP	\$ 160,868.84	\$ 304,918.18	\$ 351,914.25	\$ 453,401.23	\$ 231,569.61	\$ 1,502,672.11	6.56%	
ALTA VISTA SOLUTIONS & ATLAS COMPANY	\$ 156,414.24	\$ 312,828.48	\$ 428,489.41	\$ 341,911.65	\$ 77,547.22	\$ 1,317,191.00		
PACIFICA SERVICES, INC	\$ 102,925.75	\$ 282,702.72	\$ 291,186.29	\$ 187,449.62	\$ 61,780.40	\$ 926,044.77		
MAARS SERVICES, INC	\$ 32,623.95	\$ 100,808.01	\$ 184,590.67	\$ 190,128.39	\$ 195,832.24	\$ 703,983.25	3.08%	
NSI ENGINEERING, INC	\$ 142,445.77	\$ 273,353.45	\$ 255,322.15	\$ 261,934.46	\$ 269,801.66	\$ 1,202,857.49	5.25%	5.25%
DIAZ YOURMAN & ASSOCIATES	\$ -	\$ -	\$ 177,333.58	\$ 207,733.61	\$ 26,615.87	\$ 411,683.06	1.80%	
GPA CONSULTING	\$ -	\$ 69,898.37	\$ 71,995.32	\$ 26,965.52	\$ 20,830.86	\$ 189,690.07	0.83%	
CAPO PROJECTS GROUP, LLC	\$ 55,349.56	\$ 151,896.76	\$ 136,783.17	\$ 80,441.65	\$ 82,789.89	\$ 507,261.02	2.22%	
GUIDA SURVEYING, INC	\$ -	\$ -	\$ 146,028.36	\$ 61,019.81	\$ -	\$ 207,048.17	0.90%	
CASAMAR GROUP	\$ -	\$ 41,237.23	\$ 77,226.09	\$ 43,748.58	\$ 24,578.75	\$ 186,790.65	0.82%	0.82%
CM SERVICES COSTS TOTAL	\$ 1,808,166.97	\$ 4,383,857.04	\$ 6,762,852.46	\$ 6,596,052.80	\$ 3,340,500.77	\$ 22,891,430.04	28.56%	6.07%

LOS ANGELES METRO ORANGE (G) LINE IMPROVEMENTS - CONSTRUCTION SUPPORT SERVICES (COST PROPOSAL 2)
RFP No. PS70129

CONSULTANT NAME	NAME / LABOR CATEGORY	DESIGNATION	Year 1				Year 2				Year 3			
			Hours	Base Hourly Rate	Hourly Rate	Total Cost (\$)	Hours	Base Hourly Rate	Hourly Rate	Total Cost (\$)	Hours	Base Hourly Rate	Hourly Rate	Total Cost (\$)
BCA	Michael Thomas, SE	Project Director (KEY)	1925	\$ 107.31	\$ 316.50	\$ 609,268.92	1925	\$ 110.53	\$ 326.00	\$ 627,546.98	1925	\$ 113.85	\$ 335.78	\$ 646,373.39
BCA	John Scott, PE	Resident Engineer (KEY)	1925	\$ 95.00	\$ 280.20	\$ 539,377.01	1925	\$ 97.85	\$ 288.60	\$ 555,558.32	1925	\$ 100.79	\$ 297.26	\$ 572,225.07
BCA	Bruce (Alt. Lauren)	Project/Field Engineer (Office Engineer)	0	\$ 61.26	\$ 180.68	\$ -	1925	\$ 63.10	\$ 186.10	\$ 358,247.40	1925	\$ 64.99	\$ 191.69	\$ 368,994.82
BCA	Socorro (Alt. Ardy)	Lead Construction Inspector (KEY)	0	\$ 66.35	\$ 195.69	\$ -	1925	\$ 68.34	\$ 201.57	\$ 388,013.63	1925	\$ 70.39	\$ 207.61	\$ 399,654.04
ANSER	Robert Delgado, CHST	Safety Manager (KEY)	0	\$ 95.19	\$ 220.89	\$ -	1925	\$ 98.05	\$ 227.53	\$ 437,997.00	1925	\$ 100.99	\$ 234.35	\$ 451,130.21
ANSER	Anthony Le	Senior Cost Analyst (KEY)	963	\$ 87.32	\$ 202.63	\$ 195,133.94	481	\$ 89.94	\$ 208.71	\$ 100,390.07	481	\$ 92.64	\$ 214.98	\$ 103,403.78
ANSER	Pavel Raskin	Estimator	963	\$ 82.00	\$ 190.29	\$ 183,245.34	481	\$ 84.46	\$ 195.99	\$ 94,273.35	481	\$ 86.99	\$ 201.87	\$ 97,097.31
MNS	John Spalione, PE	Assistant Resident Engineer (KEY)	0	\$ 90.66	\$ 243.31	\$ -	1925	\$ 93.38	\$ 250.61	\$ 482,425.87	1925	\$ 96.18	\$ 258.13	\$ 496,898.64
MNS	George Haines	Senior Construction Inspector (CIVIL)	0	\$ 67.00	\$ 179.81	\$ -	0	\$ 68.00	\$ 182.50	\$ -	1925	\$ 69.00	\$ 185.18	\$ 356,473.08
AMG	Leonard Gilliana	Senior Construction inspector (Signal) (KEY)	0	\$ -	\$ -	\$ -	1925	\$ 70.00	\$ 185.92	\$ 357,904.09	1925	\$ 72.80	\$ 193.36	\$ 372,220.25

CONSULTANT NAME	NAME / LABOR CATEGORY	DESIGNATION	Year 4				Year 5				Total Hours	Total All Years
			Hours	Base Hourly Rate	Hourly Rate	Total Cost (\$)	Hours	Base Hourly Rate	Hourly Rate	Total Cost (\$)		
BCA	Michael Thomas, SE	Project Director (KEY)	1925	\$ 117.26	\$ 345.85	\$ 665,764.60	1925	\$ 120.78	\$ 356.23	\$ 685,737.53	9625	\$ 3,234,691.42
BCA	John Scott, PE	Resident Engineer (KEY)	1925	\$ 103.81	\$ 306.18	\$ 589,391.82	1925	\$ 106.92	\$ 315.36	\$ 607,073.58	9625	\$ 2,863,625.81
BCA	Bruce (Alt. Lauren)	Project/Field Engineer (Office Engineer)	1925	\$ 66.94	\$ 197.44	\$ 380,064.66	1925	\$ 68.95	\$ 203.36	\$ 391,466.60	7700	\$ 1,498,773.49
BCA	Socorro (Alt. Ardy)	Lead Construction Inspector (KEY)	1925	\$ 72.50	\$ 213.84	\$ 411,643.66	963	\$ 74.68	\$ 220.26	\$ 212,106.61	6738	\$ 1,411,417.93
ANSER	Robert Delgado, CHST	Safety Manager (KEY)	1925	\$ 104.02	\$ 241.38	\$ 464,665.45	963	\$ 107.14	\$ 248.62	\$ 239,425.68	6738	\$ 1,593,218.34
ANSER	Anthony Le	Senior Cost Analyst (KEY)	481	\$ 95.42	\$ 221.43	\$ 106,506.79	0	\$ 98.28	\$ 228.06	\$ -	2406	\$ 505,434.58
ANSER	Pavel Raskin	Estimator	481	\$ 89.60	\$ 207.92	\$ 100,010.57	0	\$ 92.29	\$ 214.16	\$ -	2406	\$ 474,626.57
MNS	John Spalione, PE	Assistant Resident Engineer (KEY)	1925	\$ 99.07	\$ 265.87	\$ 511,805.60	1925	\$ 102.04	\$ 273.85	\$ 527,166.85	7700	\$ 2,018,296.96
MNS	George Haines	Senior Construction Inspector (CIVIL)	1925	\$ 70.00	\$ 187.86	\$ 361,639.36	963	\$ 71.00	\$ 190.55	\$ 183,498.09	4813	\$ 901,610.52
AMG	Leonard Gilliana	Senior Construction inspector (Signal) (KEY)	1925	\$ 75.71	\$ 201.10	\$ 387,109.06	963	\$ 78.74	\$ 209.14	\$ 201,401.28	6738	\$ 1,318,634.67

64,489 \$ **15,820,330**