



Office of the City Manager

CONSENT CALENDAR
April 25, 2017

To: Honorable Mayor and Members of the City Council
From: Dee Williams-Ridley, City Manager
Submitted by: Phillip L. Harrington, Director, Department of Public Works
Subject: Contract: ERA Construction for Le Conte Safe Routes to School Project

RECOMMENDATION

Adopt a Resolution approving plans and specifications for the Le Conte Safe Routes to Schools Project, Specification No. 16-11008-C; and authorizing execution of a contract with ERA Construction and any amendments, extensions or change orders until completion of the project in accordance with approved plans and specifications, in an amount not to exceed \$449,298.

FISCAL IMPACTS OF RECOMMENDATION

The project is funded by a grant from the California Active Transportation Program via the Metropolitan Transportation Commission (MTC). Funding is subject to appropriation in the FY 2018 budget from MTC Fund 614-4950-431.65-65 15BP11. The required local match of \$51,535 is subject to appropriation in the FY 2018 budget in Measure BB Bike and Pedestrian Fund 407-4950-431-65.65 15BP11.

Low bid by Contractor	\$408,453
10% Contingency	\$40,845
Total NTE Construction cost	\$449,298

This contract has been assigned CMS No. A4PMC.

CURRENT SITUATION AND ITS EFFECTS

The Le Conte Safe Routes to School Project is meant to calm traffic and improve pedestrian safety and transit service on Shattuck Avenue between Russell and Ward Streets (see Figure 1 below for location map). It is a high priority project from the City’s Pedestrian Master Plan, which went through an extensive public outreach process and was adopted by City Council in June 2010. The project is located two blocks west of Le Conte Elementary School (2241 Russell St.), and will provide safer crossings for school-aged children and others on this section of Shattuck Ave.

Planned work includes pedestrian improvements such as sidewalk bulb-outs and signage; relocation of bus stops to the far side of intersections; and wheelchair-accessible curb ramps. The bulb-outs will enhance pedestrian safety by reducing

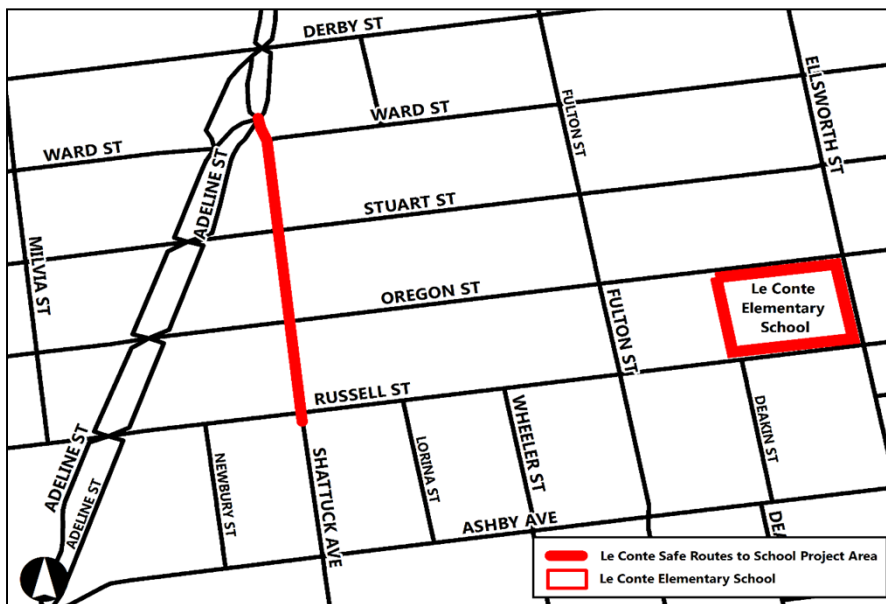
crossing distances, increasing visibility of pedestrians, and decreasing vehicle turning speeds which statistically reduces the probability and severity of crashes. Planned bus stop relocations will also increase visibility of crossing pedestrians, improve transit performance by reducing conflicts with right-turning vehicles, and allow stopped buses to re-enter the traffic stream more easily.

The Safe Routes to School Project (Specification No. 16-11008-C) was released for bids on February 14, 2017 (see Attachment 2, Abstract of Bids). 4 bids were received, ranging from a low of \$408,454 to a high of \$601,601. The consultant engineer's estimate for the project was \$420,000. ERA Construction of San Pablo, California was the lowest responsive and responsible bidder, and staff has verified ERA Construction has a valid and active contractor's license, satisfactory references, and sufficient experience to perform the work.

Plans¹ and specifications² for the Project are on file in the Department of Public Works Transportation Division. In accordance with the requirements of the California Environmental Quality Act (CEQA), this project has been determined to be categorically exempt as it maintains an existing street, and does not expand its use beyond existing conditions.

The contract's ninety-five day term includes a fifty working-day performance period, and an additional forty-five calendar days for project closeout. A ten percent contingency is included for related construction events.

Figure 1. Project Location



¹ <http://bit.ly/2mNhCP8>

² <http://bit.ly/2mqvrrp>

BACKGROUND

The project is located in a mixed-use neighborhood with relatively high volumes of motor vehicles, pedestrians, and bicyclists. Recent data has indicated a need for transportation safety enhancements on this section of Shattuck Ave. For example, between 2006 and 2011, Transportation Injury Mapping data showed 206 traffic collisions involving either a pedestrian or cyclist near Le Conte Elementary School. Moreover, in a 2013 survey, Berkeley Public School parents noted traffic speed, fear of unsafe intersections, and high volume of traffic as the main deterrents preventing their children's travel to and from school by active transportation.

The City studied traffic collision patterns and data to develop a design solution that enhances safety for children and other users of the corridor. Final project design took place during 2015 and 2016.

The Living Wage Ordinance does not apply to this project as Public Works construction contracts are, pursuant to City policy, subject to State prevailing wage laws. ERA Construction submitted a Certification of Compliance with the Equal Benefits Ordinance. The Community Workforce Agreement (CWA) does not apply to this project as estimated project value does not exceed \$500,000.

ENVIRONMENTAL SUSTAINABILITY

The project will allow safer travel for pedestrians, cyclists, and motorists, and improve transit in the project area. These improvements may encourage more people to shift from traveling in single occupancy vehicles to other modes of transit, reducing greenhouse gas emissions and other air pollutants with adverse health impacts.

RATIONALE FOR RECOMMENDATION

As noted above, the project will improve pedestrian safety and transit service, and is a high priority project in the Pedestrian Master Plan adopted by Council at its June 22, 2010 meeting. Contracted services are required as the Department of Public Works lacks the necessary staff and equipment to deliver the project timely along with other assigned work. This construction contract must be awarded by May 31, 2017 in order to satisfy grant requirements.

ALTERNATIVE ACTIONS CONSIDERED

None. The City does not have adequate in-house resources to complete the project.

CONTACT PERSON

Farid Javandel, Manager, Transportation Division (510) 981-7061
Aaron Sage, Principal Planner, Transportation Division (510) 981-6399

Attachments:

- 1: Resolution
- 2: Abstract of Bids

RESOLUTION NO. ##,###-N.S.

CONTRACT: ERA CONSTRUCTION FOR LE CONTE SAFE ROUTES TO SCHOOL
PROJECT

WHEREAS, the Le Conte Safe Routes to School Project will benefit all modes of travel, significantly enhance pedestrian safety along the corridor, and improve transit performance; and

WHEREAS, the City has neither the staff nor the equipment needed to undertake this Project; and

WHEREAS, an invitation for bids was duly advertised and ERA Construction was the lowest responsive and responsible bidder; and

WHEREAS, funding is subject to appropriation in the FY 2018 budget in the MTC Fund 614 and the Capital Improvement Fund 610, CMS No. A4PMC; and

WHEREAS, the contract has been entered into the citywide contract database with CMS No. A4PMC, no other funding is required, and no other projects will be delayed due to this expenditure.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the Plans and Specification No. 16-11008-C for the Le Conte Safe Routes to School Project are approved.

BE IT FURTHER RESOLVED that the Council of the City of Berkeley authorizes the City Manager to execute a contract and any amendments, extensions or change orders until completion of the project in accordance with the approved plans and specifications with ERA Construction in an amount not to exceed \$449,298, which includes a 10% construction contingency for unforeseen circumstances. A record signature copy of said agreement and any amendments to be on file in the Office of the City Clerk.

CITY OF BERKELEY
ABSTRACT OF BIDS

For: FY 2017 Measure M Surface Seals

Spec. No. 17-11101-C

Bid Opening: 2 PM 01-24-17

Item No.	Description	Qty	Unit	Telfer Pavement Technologies, LLC		Pavement Coatings Company	
				Unit Price	Total Price	Unit Price	Total Price
1	Mobilization	1	LS	\$ 163,200.00	\$ 163,200.00	\$ 450,000.00	\$ 450,000.00
2	Clearing, Grubbing & Environ. Protection	1	LS	\$ 25,000.00	\$ 25,000.00	\$ 24,000.00	\$ 24,000.00
3	Traffic Control	1	LS	\$ 565,000.00	\$ 565,000.00	\$ 765,300.00	\$ 765,300.00
4	Construction Area Signs	1	LS	\$ 15,000.00	\$ 15,000.00	\$ 78,000.00	\$ 78,000.00
5	Changeable Messages Signs	11	EA	\$ 1,800.00	\$ 19,800.00	\$ 1,500.00	\$ 16,500.00
6	Remove, Store and Reset Concrete Barricade	16	EA	\$ 1,250.00	\$ 20,000.00	\$ 4,000.00	\$ 64,000.00
7	Remove Thermoplastic Markings, Striping, and Lane Markers	1	LS	\$ 85,000.00	\$ 85,000.00	\$ 47,000.00	\$ 47,000.00
8	Replace Survey Well Monument Box & Cover	138	EA	\$ 450.00	\$ 62,100.00	\$ 604.00	\$ 83,352.00
9	Remove & Replace Concrete Std Curb	1,517	LF	\$ 55.00	\$ 83,435.00	\$ 65.00	\$ 98,605.00
10	Remove & Replace Concrete Std Curb & Gutter	441	LF	\$ 95.00	\$ 41,895.00	\$ 110.00	\$ 48,510.00
11	Remove & Replace Concrete Std Rolled Curb & Gutter	79	LF	\$ 95.00	\$ 7,505.00	\$ 110.00	\$ 8,690.00
12	Hot Mix Asphalt Dike - Caltrans Type C	15	LF	\$ 80.00	\$ 1,200.00	\$ 100.00	\$ 1,500.00
13	Remove & Replace Concrete Valley Gutter	580	SF	\$ 60.00	\$ 34,800.00	\$ 70.00	\$ 40,600.00
14	Concrete Sidewalk	3,840	SF	\$ 18.00	\$ 69,120.00	\$ 20.00	\$ 76,800.00
15	Concrete Curb Ramp	16,246	SF	\$ 42.00	\$ 682,332.00	\$ 50.00	\$ 812,300.00
16	Concrete Curb Ramp Retrofit Detectable Warning Surface	10	EA	\$ 2,000.00	\$ 20,000.00	\$ 2,500.00	\$ 25,000.00
17	Remove & Replace Storm Drain Pipe Under Curb Ramp	994	LF	\$ 500.00	\$ 497,000.00	\$ 650.00	\$ 646,100.00
18	Remove & Replace Storm Drain Pipe Under Street	1,338	LF	\$ 750.00	\$ 1,003,500.00	\$ 1,050.00	\$ 1,404,900.00
19	Storm Drain Catch Basin Repair	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 3,000.00	\$ 3,000.00
20	Full Depth Base Repair (6-inch depth)	102,154	SF	\$ 9.00	\$ 919,386.00	\$ 9.50	\$ 970,463.00
21	Full Depth Base Repair (8-inch depth)	1,946	SF	\$ 20.00	\$ 38,920.00	\$ 17.00	\$ 33,082.00
22	Full Depth Base Repair Over-Excavation with Geogrid	866	CY	\$ 175.00	\$ 151,550.00	\$ 175.00	\$ 151,550.00
23	Crack Sealing	1	LS	\$ 75,000.00	\$ 75,000.00	\$ 55,000.00	\$ 55,000.00
24	Polymer Modified Type II Slurry Seal	148,674	SY	\$ 1.65	\$ 245,312.10	\$ 2.20	\$ 327,082.80
25	Asphalt Rubber Chip Seal	99,356	SY	\$ 4.00	\$ 397,424.00	\$ 4.50	\$ 447,102.00
26	Thermoplastic Traffic Stripe - Detail 2	2,252	LF	\$ 0.80	\$ 1,801.60	\$ 1.00	\$ 2,252.00
27	Thermoplastic Traffic Stripe - Detail 9	110	LF	\$ 0.38	\$ 41.80	\$ 1.00	\$ 110.00
28	Thermoplastic Traffic Stripe - Detail 21	26	LF	\$ 0.95	\$ 24.70	\$ 1.00	\$ 26.00
29	Thermoplastic Traffic Stripe - Detail 22	13,144	LF	\$ 1.25	\$ 16,430.00	\$ 2.00	\$ 26,288.00
30	Thermoplastic Traffic Stripe - Detail 24	211	LF	\$ 0.40	\$ 84.40	\$ 1.00	\$ 211.00
31	Thermoplastic Traffic Stripe - Detail 25A	1,915	LF	\$ 0.55	\$ 1,053.25	\$ 1.00	\$ 1,915.00
32	Thermoplastic Traffic Stripe - Detail 27B	2,229	LF	\$ 0.40	\$ 891.60	\$ 1.00	\$ 2,229.00
33	Thermoplastic Traffic Stripe - Detail 29	76	LF	\$ 2.50	\$ 190.00	\$ 3.00	\$ 228.00
34	Thermoplastic Traffic Stripe - Detail 38	150	LF	\$ 0.95	\$ 142.50	\$ 2.00	\$ 300.00
35	Thermoplastic Traffic Stripe - Detail 39	1,121	LF	\$ 0.60	\$ 672.60	\$ 1.00	\$ 1,121.00
36	Thermoplastic Traffic Stripe - Detail 39A	282	LF	\$ 0.60	\$ 169.20	\$ 1.00	\$ 282.00
37	NOT USED						
38	Thermoplastic Traffic Stripe - Detail 41A	89	LF	\$ 2.00	\$ 178.00	\$ 3.00	\$ 267.00
39	Thermoplastic Speed Hump Striping	44	LF	\$ 3.50	\$ 154.00	\$ 5.00	\$ 220.00
40	Thermoplastic 4 inch Line (White or Yellow)	314	LF	\$ 1.00	\$ 314.00	\$ 1.00	\$ 314.00
41	Thermoplastic 12 inch or Limit Line (White)	1,287	LF	\$ 3.50	\$ 4,504.50	\$ 5.00	\$ 6,435.00
42	Thermoplastic Yield Line	76	LF	\$ 5.00	\$ 380.00	\$ 7.00	\$ 532.00
43	Thermoplastic Triple Four or Six High Visibility Crosswalk (White)	2,032	LF	\$ 4.00	\$ 8,128.00	\$ 5.00	\$ 10,160.00
44	Thermoplastic Ladder Crosswalk (White)	699	LF	\$ 3.50	\$ 2,446.50	\$ 5.00	\$ 3,495.00
45	Thermoplastic Basic Crosswalk (White or Yellow)	9,183	LF	\$ 3.50	\$ 32,140.50	\$ 5.00	\$ 45,915.00
46	Thermoplastic Pavement Markings (White or Yellow)	5,022	SF	\$ 5.00	\$ 25,110.00	\$ 7.00	\$ 35,154.00
47	Painted Curb (Red)	10,167	LF	\$ 2.00	\$ 20,334.00	\$ 3.00	\$ 30,501.00
48	Blue Fire Hydrant Pavement Marker	66	EA	\$ 12.00	\$ 792.00	\$ 15.00	\$ 990.00
49	Type H One-Way Yellow Retroreflective Marker	42	EA	\$ 3.50	\$ 147.00	\$ 5.00	\$ 210.00
50	Type G One-Way Clear Retroreflective Marker	15	EA	\$ 3.50	\$ 52.50	\$ 5.00	\$ 75.00
51	In-Street Pedestrian Crossing Sign (R1-6)	1	EA	\$ 500.00	\$ 500.00	\$ 1,000.00	\$ 1,000.00
52	White Tubular Marker (36 inches)	5	EA	\$ 40.00	\$ 200.00	\$ 50.00	\$ 250.00
53	Supplemental Work	1	LS	\$ 125,000.00	\$ 125,000.00	\$ 125,000.00	\$ 125,000.00

Total Cost of Base Bid	\$ 5,467,861.75	\$ 6,973,916.80
Total Cost of Base Bid as Written	\$ 5,467,861.75	\$ 6,954,347.80

Verified by: Wendy Wong
Submitted by: Wendy Wong

Note: Pavement Coatings Company had math errors for Bid Items 38, 48, and the Total Bid

Attachment 2
CITY OF BERKELEY
ABSTRACT OF BIDS

For: Le Conte Safe Routes to School

Spec. No. 16-11008-C

Bid Opening: 2 PM 03-07-17

Item No.	Description	Qty	Unit	ERA Unit Price	ERA Total Price	Ray's Electric Unit Price	Ray's Electric Total Price	Redgwick Construction Unit Price	Redgwick Construction Total Price	Empire Eng + Construction Unit Price	Empire Eng + Construction Total Price
Mobilization/Demobilization/Traffic Control/Pollution Control											
1	Traffic Control	1	LS	\$ 28,750.00	\$ 28,750.00	\$ 60,000.00	\$ 60,000.00	\$ 86,567.00	\$ 86,567.00	\$ 50,000.00	\$ 50,000.00
2	Construction Area Signs	1	LS	\$ 6,710.00	\$ 6,710.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 2,000.00	\$ 2,000.00
3	Water Pollution Control	1	LS	\$ 5,490.00	\$ 5,490.00	\$ 5,000.00	\$ 5,000.00	\$ 8,500.00	\$ 8,500.00	\$ 5,000.00	\$ 5,000.00
4	Construction Staking	1	LS	\$ 4,636.00	\$ 4,636.00	\$ 6,000.00	\$ 6,000.00	\$ 4,750.00	\$ 4,750.00	\$ 7,500.00	\$ 7,500.00
5	Bonding/Mobilization/Demobilization	1	LS	\$ 21,350.00	\$ 21,350.00	\$ 70,000.00	\$ 70,000.00	\$ 42,493.00	\$ 42,493.00	\$ 40,000.00	\$ 40,000.00
Demolition											
6.1	Sawcut AC	660	LF	\$ 2.20	\$ 1,452.00	\$ 6.00	\$ 3,960.00	\$ 2.00	\$ 1,320.00	\$ 6.85	\$ 4,521.00
6.2	Remove Existing Sidewalk and Ramps	2,500	SF	\$ 4.27	\$ 10,675.00	\$ 7.00	\$ 17,500.00	\$ 5.00	\$ 12,500.00	\$ 6.50	\$ 16,250.00
6.3	Remove Curb and Gutter	485	LF	\$ 7.32	\$ 3,550.20	\$ 23.00	\$ 11,155.00	\$ 10.00	\$ 4,850.00	\$ 30.00	\$ 14,550.00
6.4	Remove AC Pavement	3,500	SF	\$ 4.27	\$ 14,945.00	\$ 4.00	\$ 14,000.00	\$ 5.00	\$ 17,500.00	\$ 15.00	\$ 52,500.00
6.5	Relocate Roadside Sign	3	EA	\$ 976.00	\$ 2,928.00	\$ 350.00	\$ 1,050.00	\$ 170.00	\$ 510.00	\$ 650.00	\$ 1,950.00
6.6	Relocate Parking Meters	5	EA	\$ 1,830.00	\$ 9,150.00	\$ 900.00	\$ 4,500.00	\$ 500.00	\$ 2,500.00	\$ 1,500.00	\$ 7,500.00
6.7	Remove Tree	1	EA	\$ 3,660.00	\$ 3,660.00	\$ 3,000.00	\$ 3,000.00	\$ 1,950.00	\$ 1,950.00	\$ 2,500.00	\$ 2,500.00
6.8	Remove Bike Racks	1	EA	\$ 305.00	\$ 305.00	\$ 300.00	\$ 300.00	\$ 450.00	\$ 450.00	\$ 2,500.00	\$ 2,500.00
6.9	Remove Cross Drain	50	LF	\$ 48.80	\$ 2,440.00	\$ 120.00	\$ 6,000.00	\$ 50.00	\$ 2,500.00	\$ 360.00	\$ 18,000.00
6.10	Remove Cross Drain Inlet/Outlet Structure	3	EA	\$ 3,416.00	\$ 10,248.00	\$ 1,200.00	\$ 3,600.00	\$ 950.00	\$ 2,850.00	\$ 5,575.00	\$ 16,725.00
6.11	Remove Existing Pavement Markings and Traffic Stripes	1	EA	\$ 20,496.00	\$ 20,496.00	\$ 5,500.00	\$ 5,500.00	\$ 3,800.00	\$ 3,800.00	\$ 3,825.00	\$ 3,825.00
6.12	Replace Monument	1	EA	\$ 610.00	\$ 610.00	\$ 5,500.00	\$ 5,500.00	\$ 1,000.00	\$ 1,000.00	\$ 7,000.00	\$ 7,000.00
Paving and Drainage											
7	Concrete Sidewalk	2,450	SF	\$ 8.54	\$ 20,923.00	\$ 15.00	\$ 36,750.00	\$ 17.00	\$ 41,650.00	\$ 20.00	\$ 49,000.00
8	Concrete Curb and Gutter	345	LF	\$ 48.80	\$ 16,836.00	\$ 55.00	\$ 18,975.00	\$ 95.00	\$ 32,775.00	\$ 65.00	\$ 22,425.00
9	Concrete Curb	40	LF	\$ 42.70	\$ 1,708.00	\$ 45.00	\$ 1,800.00	\$ 50.00	\$ 2,000.00	\$ 80.00	\$ 3,200.00
10	Concrete Curb Ramp	11	EA	\$ 3,660.00	\$ 40,260.00	\$ 3,000.00	\$ 33,000.00	\$ 5,200.00	\$ 57,200.00	\$ 3,000.00	\$ 33,000.00
11	Concrete Bus Pad	55	CY	\$ 1,451.80	\$ 79,849.00	\$ 600.00	\$ 33,000.00	\$ 1,200.00	\$ 66,000.00	\$ 1,100.00	\$ 60,500.00
12	Aggregate Base (Class 2)	80	CY	\$ 195.20	\$ 15,616.00	\$ 180.00	\$ 14,400.00	\$ 80.00	\$ 6,400.00	\$ 505.00	\$ 40,400.00
13	Hot Mix Asphalt (Type A)	90	TON	\$ 195.20	\$ 17,568.00	\$ 330.00	\$ 29,700.00	\$ 393.00	\$ 35,370.00	\$ 350.00	\$ 31,500.00
14	14-Inch x 6-Inch Structural Steel Tubing	150	LF	\$ 134.20	\$ 20,130.00	\$ 500.00	\$ 75,000.00	\$ 281.00	\$ 42,150.00	\$ 255.00	\$ 38,250.00
15	Storm Drain Junction Box	1	EA	\$ 2,440.00	\$ 2,440.00	\$ 6,500.00	\$ 6,500.00	\$ 4,000.00	\$ 4,000.00	\$ 9,200.00	\$ 9,200.00
16	Standard Culvert Inlet and Outlet	4	EA	\$ 6,710.00	\$ 26,840.00	\$ 4,300.00	\$ 17,200.00	\$ 3,800.00	\$ 15,200.00	\$ 7,200.00	\$ 28,800.00
17	Modify Drainage Inlet	2	EA	\$ 3,050.00	\$ 6,100.00	\$ 5,650.00	\$ 11,300.00	\$ 2,800.00	\$ 5,600.00	\$ 8,800.00	\$ 17,600.00
Striping and Signage											
18.1	Thermoplastic Traffic Stripe and Pavement Markings	195	LF	\$ 4.27	\$ 832.65	\$ 3.00	\$ 585.00	\$ 2.20	\$ 429.00	\$ 6.50	\$ 1,267.50
18.2	High Visibility Thermoplastic Pavement Markings (White)	1,200	SF	\$ 4.88	\$ 5,856.00	\$ 6.00	\$ 7,200.00	\$ 4.50	\$ 5,400.00	\$ 8.50	\$ 10,200.00
19	Curb Paint (Red and Yellow)	625	LF	\$ 4.88	\$ 3,050.00	\$ 3.00	\$ 1,875.00	\$ 2.25	\$ 1,406.25	\$ 2.50	\$ 1,562.50
20	Roadside Sign	5	EA	\$ 610.00	\$ 3,050.00	\$ 400.00	\$ 2,000.00	\$ 400.00	\$ 2,000.00	\$ 475.00	\$ 2,375.00
Engineer's Estimate for Total Project Cost											
		\$420,000									
		Total Cost Base Bid		\$ 408,453.85		\$ 511,350.00		\$ 516,620.25		\$ 601,601.00	
		Total Cost of Base Bid as Written		\$ 408,451.21		\$ 505,200.00		\$ 516,620.25		\$ 601,601.00	
		Difference		-		-		-		-	
		Percent Difference From Engineer's Estimate		3.0%		22.0%		23.0%		43.2%	
		All Forins Complete		Yes		Yes		Yes		Yes	
		Low Bidder		ERA							
Verified by: Brian Liang											