



**DATE:** April 20, 2010

**TO:** Mayor and City Council

**FROM:** Director of Public Works

**SUBJECT:** Pavement Rehabilitation – Slurry Seal: Hesperian Boulevard and Industrial Boulevard (Districts 17 & 21) – Approval of Addendum, Award of Contract, and Appropriation of Funds

### **RECOMMENDATION**

That Council adopts the attached resolutions:

1. Approving Addendum No. 1, providing minor revisions to the plans and specifications; and awarding the contract to American Asphalt Repair and Resurfacing Company, Inc., in an amount of \$457,027.05, and
2. Appropriating \$50,000 in the Street System Improvements Fund to complete this project.

### **BACKGROUND**

On February 23, 2010, Council approved the plans and specifications for the Pavement Rehabilitation – Slurry Seal: Hesperian Boulevard and Industrial Boulevard project and called for bids to be received on March 23, 2010. Addendum No. 1 was issued to make minor revisions to the plans and specifications in response to plan holders' questions.

This project is a continuation of the City's ongoing program to provide preventive maintenance of street pavement and to repair failed pavement sections with localized pavement section repairs and the application of slurry seal. The preventive maintenance work involves the application of slurry seal on streets every six to seven years after pavement reconstruction or overlay to extend the life of the pavement before it deteriorates to the point where more costly rehabilitation work is needed. Streets that exhibit greater pavement stresses are treated with localized pavement section repairs. Attachment III depicts the portions of Hesperian Boulevard and Industrial Boulevard selected for slurry seal treatment this year.

## DISCUSSION

The selection of streets for slurry seal is based on staff's analysis of the pavement condition indices identified through the City's computerized Pavement Management Program (PMP), field examination, and the functional classification of each street. The arterials selected for this year's slurry seal treatment are portions of Hesperian Boulevard and Industrial Boulevard. The slurry seal treatment involves the application of a slurry sand emulsion that seals the street surface against water intrusion. The slurry seal work also includes removing the full depth of failed, localized pavement sections, compacting the base, and patching it with asphalt concrete.

To minimize the disruption to traffic flow and to residents and businesses, the slurry seal work will be performed lane-by-lane and phased longitudinally. For slurry seal work performed through intersections and in front of driveways, sand will be applied over the fresh slurry seal to allow through traffic and driveway access at all times.

In order to maximize the use of available funds and allow flexibility during award, staff structured the bid to include a Base Bid (with an Engineer's Estimate of \$409,520) and an Add Alternate (with an Engineer's estimate of \$64,400) for a combined total of \$473,920. The base Bid excluded several of the major intersections since this work would be more difficult and likely more expensive. The ADD Alternate included slurry sealing all the intersections on the two arterials. This bid structure allows the Council to award just the Base Bid or the Base Bid plus the Add Alternate depending on the reasonableness of the bids.

On March 23, 2010, four bids were received. American Asphalt Repair and Resurfacing Company, Inc. of Hayward submitted the low bid in the total amount of \$457,027.05, which included a Base Bid in the amount of \$373,823.40 and an Add Alternate in the amount of \$83,203.65. The low bid is 3.6 percent below the Engineer's Estimate of \$473,920. Bond Blacktop, Inc. of Union City submitted the second lowest bid in the amount of \$479,628.42, which included a Base Bid in the amount of \$421,351.90 and an Add Alternate in the amount of \$58,276.52. The second low bidder's total bid is 1.2 percent above the Engineer's Estimate. The bids ranged from \$457,027.05 to \$662,416.00.

Staff recommends awarding the Base Bid plus the Add Alternate to take advantage of the relatively low unit bid prices and slurry all of the two listed street sections of Hesperian Boulevard and Industrial Boulevard. This recommendation will require an additional appropriation of \$50,000 for the project in the Street System Improvements Fund.

All bid documents and licenses are in order. Staff recommends award of contract to the low bidder, American Asphalt Repair and Resurfacing Company, Inc., in the amount of \$457,027.05.

## FISCAL & ECONOMIC IMPACT

The estimated project costs are as follows:

Construction Contract	\$457,027
Design and Administration	50,000
Construction Inspection and Testing	42,973
<b>Total</b>	<b>\$550,000</b>

The FY 2010 Capital Improvement Program includes a total of \$500,000 in the Street System Improvements Fund for this project. An additional appropriation of \$50,000, which is available in the Street System Improvements Fund's balance, is needed to complete this project.

## PUBLIC CONTACT

Because of the temporary inconvenience caused by the pavement work, staff will send a preliminary notice explaining the slurry seal work to all affected residents and businesses along the project streets about four weeks before the start of work. After the construction work is scheduled for a particular road segment and 72-hours prior to commencement of that work the Contractor will send notices to affected residents and businesses and will post signs on barricades 72 hours prior indicating the date and time of work for the specific area.

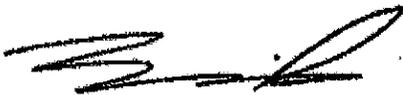
## SCHEDULE

Opened Bids	March 23, 2010
Award Contract	April 20, 2010
Begin Work	May 11, 2010
Complete Work	June 23, 2010

*Prepared by:* Morad Fakhrai, Deputy Director of Public Works

*Recommended by:* Robert A. Bauman, Director of Public Works

Approved by:



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Fran David, Acting City Manager

### Attachments:

- Attachment I: Resolution Approving Addendum No. 1 and Awarding Contract
- Attachment II: Resolution Appropriating Additional Funds
- Attachment III: Location Map
- Attachment IV: Bid Summary



# DRAFT

HAYWARD CITY COUNCIL

RESOLUTION NO. 10-\_\_\_\_\_

Introduced by Council Member \_\_\_\_\_

RESOLUTION APPROVING ADDENDUM NO. 1 AND  
AWARDING THE CONTRACT TO AMERICAN ASPHALT  
REPAIR AND RESURFACING COMPANY, INC. FOR THE  
PAVEMENT REHABILITATION SLURRY SEAL:  
HESPERIAN BOULEVARD AND INDUSTRIAL BOULEVARD  
(DISTRICTS 17 & 21) PROJECT, PROJECT NO. 5139

BE IT RESOLVED by the City Council of the City of Hayward as follows:

WHEREAS, by resolution on February 23, 2010, the City Council approved the plans and specifications for the Pavement Rehabilitation Slurry Seal: Hesperian Boulevard and Industrial Boulevard (Districts 17 & 21) Project, Project No. 5139, and called for bids to be received on March 23, 2010; and

WHEREAS, Addendum No. 1 was provided to make minor revisions to the plans and specifications; and

WHEREAS, on March 23, 2010, four bids were received ranging from \$457,027.05 to \$662,416.00; American Asphalt Repair and Resurfacing Company Inc. of Hayward, California submitted the low bid in the amount of \$457,027.05, which is 3.6 percent below the Engineer's Estimate of \$473,917.65; and

NOW, THEREFORE, BE IT RESOLVED by the City Council that Addendum No. 1 is hereby approved and adopted as part of the plans and specifications of the project.

BE IT FURTHER RESOLVED by the City Council that American Asphalt Repair and Resurfacing Company, Inc. is hereby awarded the contract for the Pavement Rehabilitation Slurry Seal: Hesperian Boulevard and Industrial Boulevard (Districts 17 & 21) Project, Project No. 5139, in an amount not to exceed \$457,027.05, in accordance with the plans and specifications adopted therefor and on file in the office of the City Clerk of the City of Hayward at and for the price named and stated in the bid of the hereinabove specified bidder, and all other bids are hereby rejected.

Attachment I

BE IT FURTHER RESOLVED that the City Manager is hereby authorized and directed to execute the contract with American Asphalt Repair and Resurfacing Company, Inc. in the name of and for and on behalf of the City of Hayward, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 2010

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: \_\_\_\_\_  
City Clerk of the City of Hayward

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney of the City of Hayward

# DRAFT

HAYWARD CITY COUNCIL

RESOLUTION NO. 10-\_\_\_\_\_

Introduced by Council Member \_\_\_\_\_

RESOLUTION AMENDING RESOLUTION 09-083, AS AMENDED, THE CAPITAL BUDGET RESOLUTION FOR FISCAL YEAR 2010, RELATING TO AN APPROPRIATION OF FUNDS FROM THE STREET SYSTEM IMPROVEMENTS FUND, FUND 413 TO PAVEMENT REHABILITATION SLURRY SEAL: HESPERIAN BOULEVARD AND INDUSTRIAL BOULEVARD (DISTRICTS 17 & 21) PROJECT, PROJECT NO. 5139

BE IT RESOLVED by the City Council of the City of Hayward that Resolution No. 09-083, as amended, the Capital Budget Resolution for Fiscal Year 2010, is hereby amended by approving an appropriation of \$50,000 from the Street System Improvements Fund, Fund 413 to Pavement Rehabilitation Slurry Seal: Hesperian Boulevard and Industrial Boulevard (Districts 17 & 21) Project, Project No. 5139.

IN COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 2010

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

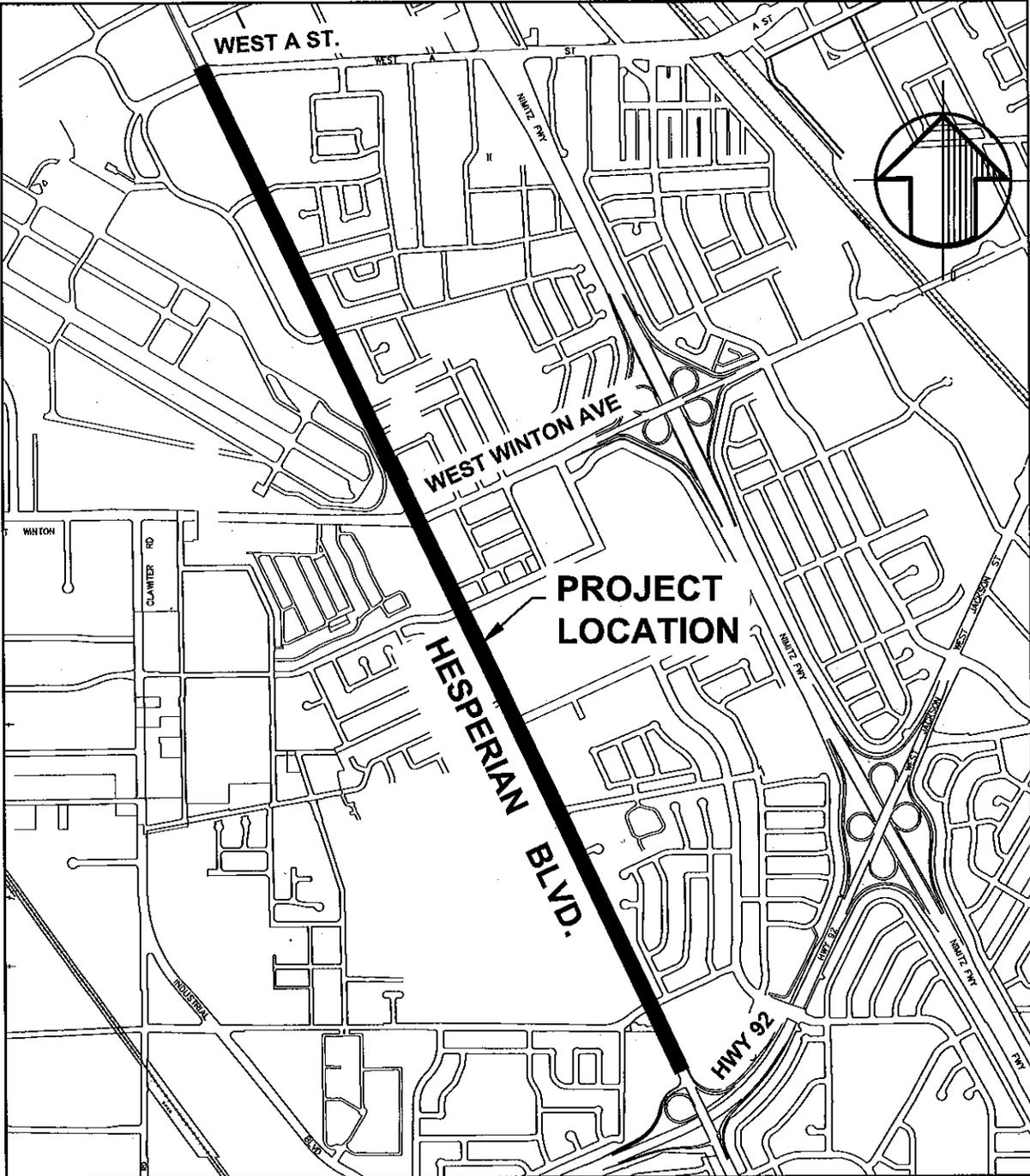
ATTEST: \_\_\_\_\_  
City Clerk of the City of Hayward

Attachment II

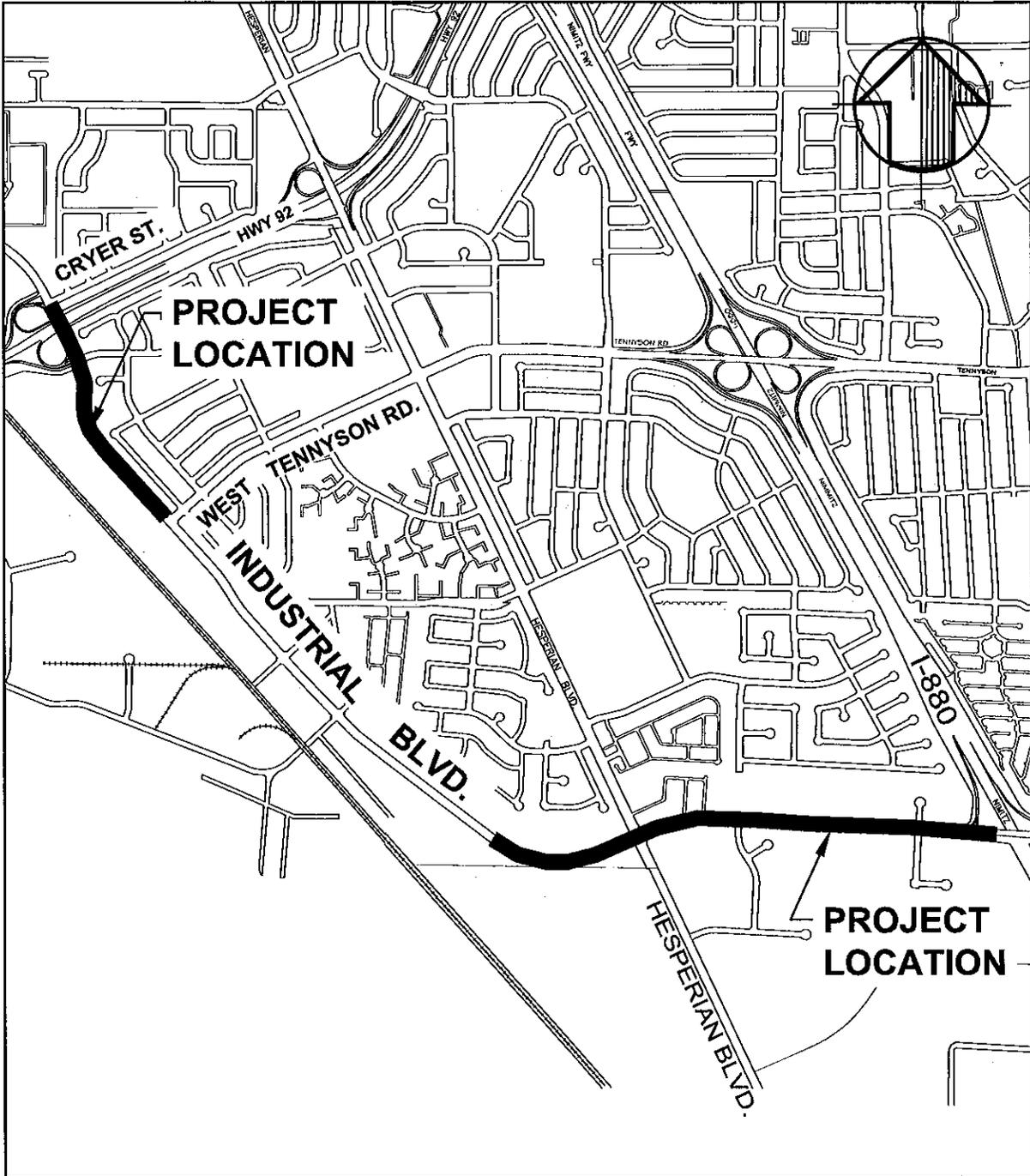
APPROVED AS TO FORM:

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City Attorney of the City of Hayward



**LOCATION MAP**  
**SLURRY SEAL: HESPERIAN BLVD. AND**  
**INDUSTRIAL BLVD. (DISTRICTS 17 & 21)**  
**PROJECT NO. 5139**



**LOCATION MAP**  
**SLURRY SEAL: HESPERIAN BLVD. AND**  
**INDUSTRIAL BLVD. (DISTRICTS 17 & 21)**  
**PROJECT NO. 5139**

(NUMBER OF BIDS RECEIVED - 4)

BID SUMMARY  
 ATTACHMENT IV

BID SUMMARY				ENGINEER'S ESTIMATE		AMERICAN ASPHALT 24200 Clawiter Road Hayward, CA 94545 (800) 541-5559 Phone (510) 723-0288 Fax		BOND BLACKTOP, INC. P.O. Box 616 Union City, CA 94587 (510) 441-9981 Phone (510) 441-9982 Fax	
ITEM	QTY.	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
<b>Pavement Rehab Slurry Seal - BASE BID (Hesperian Blvd. and Industrial Blvd. from 1890 ft. N/O Hesperian Blvd. to I-880)</b>									
1.	1	LS	TRAFFIC CONTROL	20,000.00	20,000.00	5,000.00	5,000.00	13,600.00	13,600.00
2.	13,200	SF	FULL DEPTH AC SPOT REPAIR	6.00	79,200.00	5.72	75,504.00	6.82	90,024.00
3.	1	LS	CRACK SEALING	10,000.00	10,000.00	10,000.00	10,000.00	12,500.00	12,500.00
4.	110,955	SY	POLYMER MODIFIED SLURRY SEAL	2.00	221,910.00	1.69	187,513.95	1.71	189,733.05
5.	6,420	EA	PAVEMENT MARKERS (TYPE A)	1.75	11,235.00	2.00	12,840.00	4.70	30,174.00
6.	1,079	EA	PAVEMENT MARKERS (TYPE G)	3.00	3,237.00	3.60	3,884.40	5.75	6,204.25
7.	620	EA	PAVEMENT MARKERS (TYPE H)	3.00	1,860.00	3.60	2,232.00	5.75	3,565.00
8.	200	LF	4" THERMOPLASTIC STRIPE (WHITE OR YELLOW)	0.80	160.00	2.00	400.00	0.84	168.00
9.	6,918	LF	8" THERMOPLASTIC STRIPE (WHITE OR YELLOW)	1.00	6,918.00	2.45	16,949.10	1.45	10,031.10
10.	3,723	LF	12" THERMOPLASTIC STRIPE (WHITE OR YELLOW)	3.00	11,169.00	3.25	12,099.75	5.25	19,545.75
11.	3,963	SF	THERMOPLASTIC MARKINGS (WHITE OR YELLOW)	4.50	17,833.50	5.40	21,400.20	5.25	20,805.75
12.	1	LS	RECYCLING IMPLEMENTATION	1,000.00	1,000.00	1,000.00	1,000.00	1.00	1.00
13.	1	LS	ADMINISTRATIVE CHANGE ORDER	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00
<b>BID LIST TOTAL</b>					<b>409,522.50</b>		<b>373,823.40</b>		<b>421,351.90</b>
<b>Pavement Rehab Slurry Seal - ADDITIVE ALTERNATIVE BID (Industrial Blvd. from Cryer St. to W Tennyson Rd.)</b>									
14.	1	LS	TRAFFIC CONTROL	5,000.00	5,000.00	5,000.00	5,000.00	2,000.00	2,000.00
15.	1	LS	CRACK SEALING	5,000.00	5,000.00	5,000.00	5,000.00	4,300.00	4,300.00
16.	20,550	SY	POLYMER MODIFIED SLURRY SEAL	2.00	41,100.00	2.65	54,457.50	1.70	34,935.00
17.	693	EA	PAVEMENT MARKERS (TYPE A)	1.75	1,212.75	2.00	1,386.00	4.70	3,257.10
18.	312	EA	PAVEMENT MARKERS (TYPE D)	3.00	936.00	3.60	1,123.20	5.75	1,794.00
19.	117	EA	PAVEMENT MARKERS (TYPE G)	3.00	351.00	3.60	421.20	5.75	672.75
20.	2,863	LF	4" THERMOPLASTIC STRIPE (WHITE OR YELLOW)	0.80	2,290.40	2.00	5,726.00	0.84	2,404.92
21.	815	LF	8" THERMOPLASTIC STRIPE (WHITE OR YELLOW)	1.00	815.00	2.45	1,996.75	1.45	1,181.75
22.	100	LF	12" THERMOPLASTIC STRIPE (WHITE OR YELLOW)	3.00	300.00	3.25	325.00	5.25	525.00
23.	420	SF	THERMOPLASTIC MARKINGS (WHITE OR YELLOW)	4.50	1,890.00	5.40	2,268.00	5.25	2,205.00
24.	1	LS	RECYCLING IMPLEMENTATION	500.00	500.00	500.00	500.00	1.00	1.00
25.	1	LS	ADMINISTRATIVE CHANGE ORDER	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
<b>BID LIST TOTAL</b>					<b>64,395.15</b>		<b>83,203.65</b>		<b>58,276.52</b>
<b>TOTAL BID AMOUNT</b>					<b>473,917.65</b>		<b>457,027.05</b>		<b>479,628.42</b>

CITY OF HAYWARD

CONSTRUCTION OF PAVEMENT REHABILITATION SLURRY SEAL: HESPERIAN BLVD. AND INDUSTRIAL BLVD. (DISTRICTS 17 AND 21)

PROJECT NO. 5139

BIDS OPENED: MARCH 23, 2010

(NUMBER OF BIDS RECEIVED - 4)

BID SUMMARY				ENGINEER'S ESTIMATE		VALLEY SLURRY SEAL		GRAHAM CONTRACTORS, INC.	
						3785 Channel Drive W. Sacramento, CA 95691 (916) 373-1500 Phone (916) 373-0183 Fax		860 Lonus Street San Jose, CA 95126 (408) 293-9516 Phone (408) 293-3633 Fax	
ITEM	QTY.	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
<b>Pavement Rehab Slurry Seal - BASE BID (Hesperian Blvd. and Industrial Blvd. from 1890 ft. N/O Hesperian Blvd. to I-880)</b>									
1.	1	LS	TRAFFIC CONTROL	20,000.00	20,000.00	20,500.00	20,500.00	20,000.00	20,000.00
2.	13,200	SF	FULL DEPTH AC SPOT REPAIR	6.00	79,200.00	8.29	109,428.00	6.70	88,440.00
3.	1	LS	CRACK SEALING	10,000.00	10,000.00	50,953.50	50,953.50	30,000.00	30,000.00
4.	110,955	SY	POLYMER MODIFIED SLURRY SEAL	2.00	221,910.00	1.92	213,033.60	2.92	323,988.60
5.	6,420	EA	PAVEMENT MARKERS (TYPE A)	1.75	11,235.00	2.62	16,820.40	2.10	13,482.00
6.	1,079	EA	PAVEMENT MARKERS (TYPE G)	3.00	3,237.00	3.41	3,679.39	3.80	4,100.20
7.	620	EA	PAVEMENT MARKERS (TYPE H)	3.00	1,860.00	3.41	2,114.20	3.80	2,356.00
8.	200	LF	4" THERMOPLASTIC STRIPE (WHITE OR YELLOW)	0.80	160.00	0.52	104.00	2.10	420.00
9.	6,918	LF	8" THERMOPLASTIC STRIPE (WHITE OR YELLOW)	1.00	6,918.00	0.52	3,597.36	2.60	17,986.80
10.	3,723	LF	12" THERMOPLASTIC STRIPE (WHITE OR YELLOW)	3.00	11,169.00	2.10	7,818.30	3.40	12,658.20
11.	3,963	SF	THERMOPLASTIC MARKINGS (WHITE OR YELLOW)	4.50	17,833.50	4.20	16,644.60	5.80	22,985.40
12.	1	LS	RECYCLING IMPLEMENTATION	1,000.00	1,000.00	2,100.00	2,100.00	5,000.00	5,000.00
13.	1	LS	ADMINISTRATIVE CHANGE ORDER	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00
			<b>BID LIST TOTAL</b>		<b>409,522.50</b>		<b>471,793.35</b>		<b>566,417.20</b>
<b>Pavement Rehab Slurry Seal - ADDITIVE ALTERNATIVE BID (Industrial Blvd. from Cryer St. to W Tennyson Rd.)</b>									
14.	1	LS	TRAFFIC CONTROL	5,000.00	5,000.00	3,700.00	3,700.00	10,000.00	10,000.00
15.	1	LS	CRACK SEALING	5,000.00	5,000.00	14,500.00	14,500.00	6,000.00	6,000.00
16.	20,550	SY	POLYMER MODIFIED SLURRY SEAL	2.00	41,100.00	1.92	39,456.00	2.92	60,006.00
17.	693	EA	PAVEMENT MARKERS (TYPE A)	1.75	1,212.75	3.15	2,182.95	2.10	1,455.30
18.	312	EA	PAVEMENT MARKERS (TYPE D)	3.00	936.00	3.15	982.80	3.80	1,185.60
19.	117	EA	PAVEMENT MARKERS (TYPE G)	3.00	351.00	3.15	368.55	3.80	444.60
20.	2,863	LF	4" THERMOPLASTIC STRIPE (WHITE OR YELLOW)	0.80	2,290.40	0.52	1,488.76	2.10	6,012.30
21.	815	LF	8" THERMOPLASTIC STRIPE (WHITE OR YELLOW)	1.00	815.00	0.52	423.80	2.60	2,119.00
22.	100	LF	12" THERMOPLASTIC STRIPE (WHITE OR YELLOW)	3.00	300.00	2.10	210.00	3.40	340.00
23.	420	SF	THERMOPLASTIC MARKINGS (WHITE OR YELLOW)	4.50	1,890.00	3.67	1,541.40	5.80	2,436.00
24.	1	LS	RECYCLING IMPLEMENTATION	500.00	500.00	1,000.00	1,000.00	1,000.00	1,000.00
25.	1	LS	ADMINISTRATIVE CHANGE ORDER	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
			<b>BID LIST TOTAL</b>		<b>64,395.15</b>		<b>70,854.26</b>		<b>95,998.80</b>
			<b>TOTAL BID AMOUNT</b>		<b>473,917.65</b>		<b>542,647.61</b>		<b>662,416.00</b>