



**CITY OF HAYWARD**  
**AGENDA REPORT**

AGENDA DATE 12/11/01  
AGENDA ITEM 2  
WORK SESSION ITEM \_\_\_\_\_

**TO:** Mayor and City Council  
**FROM:** Director of Public Works  
**SUBJECT:** Traffic Signal Installation on West Tennyson Road at Oliver Drive: Approval of Addendum and Award of Contract

**RECOMMENDATION:**

It is recommended that the City Council approve the attached resolution that approves Addendum No. 1, which provides the updated Federal Minimum Wage Rates and that awards the contract to St. Francis Electric, Inc., of Hayward in the amount of \$156,176.30.

**BACKGROUND:**

On July 24, 2001, the City Council approved the plans and specifications, acknowledged that the project was categorically exempt from the CEQA process, and called for bids to be received on August 28, 2001. On September 18, 2001, Council rejected the only bid received, because it was too high, and authorized re-advertising the project. The rejected bid was \$217,345, which was 53 percent higher than the Engineer's estimate of \$141,935. The project was re-advertised in mid October 2001, for bids to be received on November 13, 2001.

During the new bidding period, Addendum No. 1 was issued to update the Federal Minimum Wage Rates and to clarify plan holders' questions.

This project installs a traffic signal system at the intersection of West Tennyson Road at Oliver Drive, and installs a signal-interconnect from the new traffic signal to the existing traffic signal at Hesperian Boulevard and West Tennyson Road. The traffic signal has been identified as a high priority on the Traffic Signal Priority List and has received a Federal Hazard Elimination Safety (HES) grant. The re-advertised bid sheet was revised to include only the signal installation in the base bid. The signal-interconnect was included as an additive item, so that the project could be awarded either with or without the traffic signal interconnect, depending on the bid amounts and available funding. The base bid, however, was set forth as the basis for award of the contract.

On November 13, 2001, five bids were received ranging from \$110,532.30 to \$188,072.00 for the base bid and from \$153,616.50 to \$231,920.00 for base bid plus additive items. St. Francis Electric, Inc. submitted the low base bid in the amount of \$110,532.30, which is 17 percent lower than the adjusted Engineer's estimate of \$133,460 for the base bid. St. Francis submitted a total base bid plus additive items in the amount of \$156,176.30, which is 13 percent lower than the adjusted total Engineer's estimate of \$179,960. The adjusted total Engineer's estimate was increased from the initial estimate of \$141,935 to \$179,960 to reflect market-cost increases in signal equipment and interconnect installation costs. Re-bidding the

project, however, did result in a total savings of over \$60,000 compared to the one bid received in August.

This project has a single goal of 12 percent Disadvantaged Business Enterprise (DBE) participation under the federal program, since the project is primarily funded with federal funds. St. Francis included a total of 18.7 percent DBE participation based on the base bid calculation, or 12.8 percent participation based on the base bid plus additive items.

It is recommended that the City Council award the contract to St. Francis Electric, Inc., in the amount of \$156,176.30, which is the total of base bid plus additive items, to complete the project.

**PROJECT COSTS:**

The estimated costs for the project are as follows:

Contract Construction	\$ 156,176
City-Furnished Equipment	15,400
Consultant Design & Construction Support	18,000
Outside Services (PG&E and SMI)	5,000
Design and Administration	17,424
Inspection, Survey, and Testing	8,000
Total Project Costs	<u>\$ 220,000</u>

**FUNDING:**

The 2001-02 Capital Improvement Program includes \$190,000 in the Transportation System Improvement Fund for this project. Sufficient funds are available for transfer from a completed project in this fund to cover the additional \$30,000 required to complete the project. The City will be reimbursed \$150,000 by federal funds.

**SCHEDULE:**

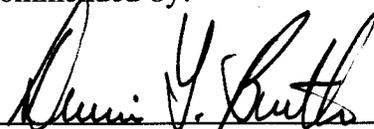
Award	December 11, 2001
Begin Work	May 1, 2002
Complete Work	June 28, 2002

The delay between the project award and the construction start is because of an anticipated four-month waiting period between ordering and delivery of the traffic signal equipment.

Prepared by:

  
Robert A. Bauman, Deputy Director of Public Works

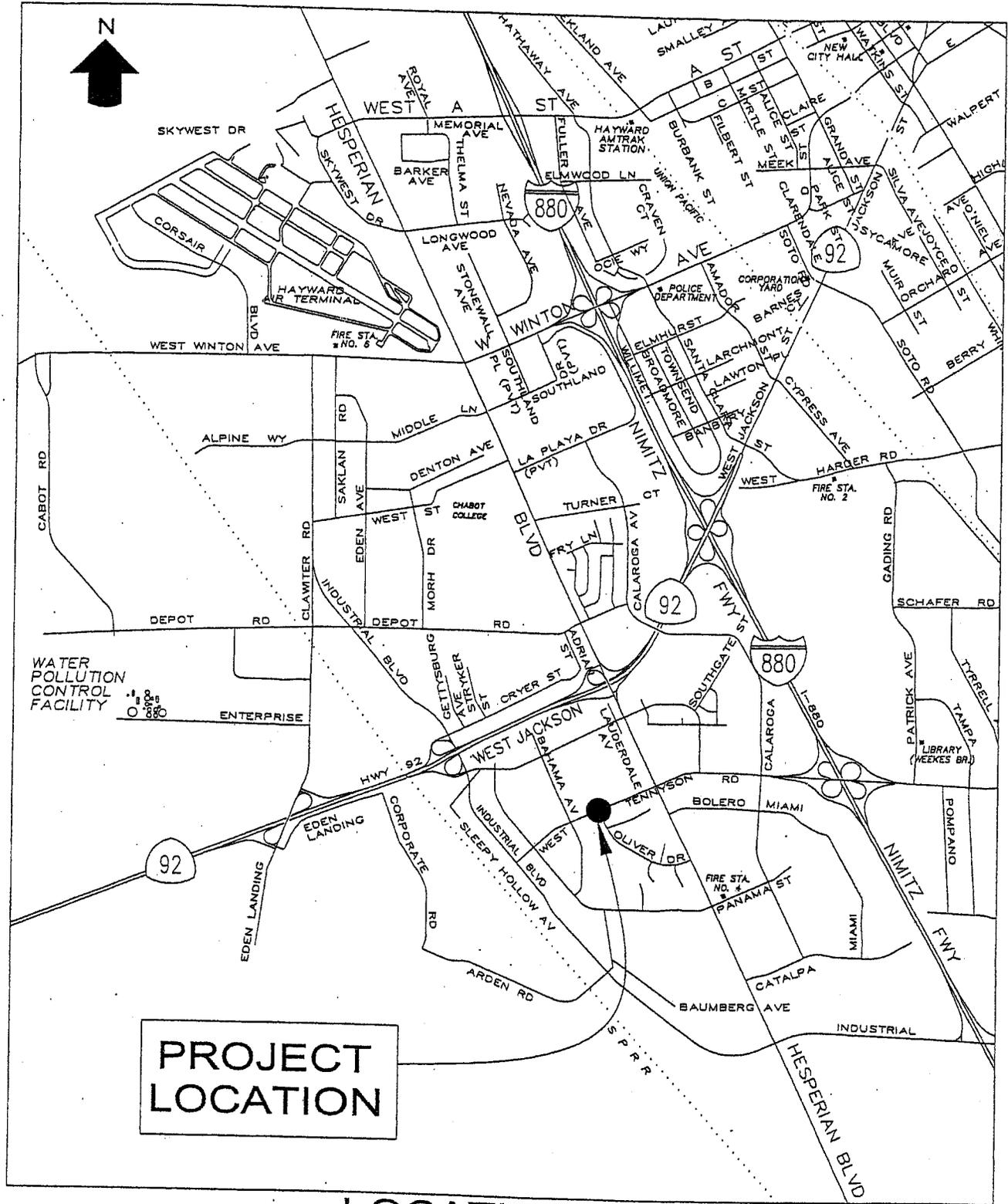
Recommended by:

  
Dennis L. Butler, Director of Public Works

Approved by:

  
Jesús Armas, City Manager

Exhibits:      Exhibit A: Location Map  
                    Exhibit B: Bid Summary



**LOCATION MAP**  
**TRAFFIC SIGNAL INSTALLATION**  
**WEST TENNYSON RD. AT OLIVER DR.**  
**PROJECT NO. 5747**

**CITY OF HAYWARD**

**TRAFFIC SIGNAL INSTALLATION AT W. TENNYSON ROAD-OLIVER DRIVE**

**PROJECT NO. 5747; FEDERAL PROGRAM #STPLHG-5050(023)**

**BIDS OPENED: NOVEMBER 13, 2001**

(NUMBER OF BIDS RECEIVED - 5)

<b>BID SUMMARY</b>				<b>ENGINEER'S ESTIMATE</b>		<b>ST. FRANCIS ELECTRIC, INC. 23294 CONNECTICUT ST HAYWARD CA 94545 (510) 887-288      PHONE (510) 887-410      FAX</b>		<b>RICHARD A. HEAPS ELEC. 8909 FLORIN ROAD SACRAMENTO CA 95829 (916) 386-885      PHONE (916) 386-135      FAX</b>		<b>MIKE BROWN ELECTRIC CO. 561-A MERCANTILE DRIVE COTATI CA 94931 (707) 792-810      PHONE (707) 792-811      FAX</b>	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	MOBILIZATION	5,000.00	5,000.00	5,000.00	5,000.00	2,021.00	2,021.00	12,000.00	12,000.00
2	1	LS	TRAFFIC CONTROL	7,500.00	7,500.00	6,000.00	6,000.00	3,000.00	3,000.00	2,500.00	2,500.00
3	1	LS	TRAFFIC SIGNAL AND SAFETY LIGHTING	95,000.00	95,000.00	77,843.00	77,843.00	94,410.00	94,410.00	90,065.00	90,065.00
4	2,750	LF	REMOVE TRAFFIC STRIPES AND PAVEMENT MARKERS	1.50	4,125.00	1.73	4,757.50 *	0.80	2,200.00	1.50	4,125.00
5	22	SF	REMOVE PAVEMENT MARKINGS	2.50	55.00	2.30	50.60	5.00	110.00	2.00	44.00
6	1	LS	REMOVE AND SALVAGE ELECTROLIER	2,000.00	2,000.00	350.00	350.00	1,100.00	1,100.00	600.00	600.00
7	3	EA	REMOVE AND SALVAGE EXISTING ROADSIDE SIGN	100.00	300.00	150.00	450.00	60.00	180.00	150.00	450.00
8	2	EA	FURNISH AND INSTALL TYPE 1 BARRICADE WITH R49 SIGN	1,000.00	2,000.00	587.00	1,174.00	900.00	1,800.00	500.00	1,000.00
9	2	EA	FURNISH AND INSTALL R26 SIGN ON EXISTING POLE	100.00	200.00	172.50	345.00	160.00	320.00	150.00	300.00
10	2	EA	FURNISH AND INSTALL NEW POLE AND R26 SIGN	350.00	700.00	316.25	632.50	240.00	480.00	275.00	550.00
11	1,170	LF	INSTALL THERMOPLASTIC STRIPING AND PAVEMENT MARKERS - DETAIL 9	2.00	2,340.00	0.58	678.60 *	0.70	819.00	0.50	585.00
12	90	LF	INSTALL THERMOPLASTIC STRIPING - DETAIL 21	3.00	270.00	1.73	155.70	1.25	112.50	1.50	135.00
13	240	LF	INSTALL THERMOPLASTIC STRIPING - DETAIL 28	4.00	960.00	2.88	691.20 *	3.00	720.00	2.50	600.00
14	100	LF	INSTALL THERMOPLASTIC STRIPING AND PAVEMENT MARKERS - DETAIL 38	2.50	250.00	1.44	144.00 *	2.00	200.00	1.25	125.00

Exhibit B

**CITY OF HAYWARD**

**TRAFFIC SIGNAL INSTALLATION AT W. TENNYSON ROAD-OLIVER DRIVE**

**PROJECT NO. 5747; FEDERAL PROGRAM #STPLHG-5050(023)**

**BIDS OPENED: NOVEMBER 13, 2001**

(NUMBER OF BIDS RECEIVED - 5)

<b>BID SUMMARY</b>				<b>ENGINEER'S ESTIMATE</b>		<b>ST. FRANCIS ELECTRIC, INC. 23294 CONNECTICUT ST HAYWARD CA 94545 (510) 887-288      PHONE (510) 887-410      FAX</b>		<b>RICHARD A. HEAPS ELEC. 8909 FLORIN ROAD SACRAMENTO CA 95829 (916) 386-885      PHONE (916) 386-135      FAX</b>		<b>MIKE BROWN ELECTRIC CO. 561-A MERCANTILE DRIVE COTATI CA 94931 (707) 792-810      PHONE (707) 792-811      FAX</b>	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
15	580	LF	INSTALL THERMOPLASTIC STRIPING - DETAIL 39	2.00	1,160.00	1.04	603.20 *	0.85	493.00	0.90	522.00
16	200	LF	INSTALL THERMOPLASTIC STRIPING - DETAIL 39A	2.00	400.00	1.04	208.00 *	0.85	170.00	0.90	180.00
17	160	LF	INSTALL 12" WHITE THERMOPLASTIC LIMIT LINE/CROSSWALK	4.00	640.00	4.60	736.00	2.50	400.00	4.00	640.00
18	220	LF	INSTALL STRIPING - RED CURB	2.00	440.00	2.30	506.00	2.00	440.00	2.00	440.00
19	30	SF	INSTALL THERMOPLASTIC PAVEMENT MARKINGS	4.00	120.00	6.90	207.00	5.00	150.00	6.00	180.00
20	1	LS	ADMINISTRATIVE CHANGE ORDERS	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
<b>TOTAL BASE BID</b>				<b>133,460.00</b>		<b>110,532.30 *</b>		<b>119,125.50</b>		<b>125,041.00</b>	
ADDITIVE ALTERNATIVE BID NO. 1											
21	1,350	LF	FURNISH AND INSTALL 2" CONDUIT AND SIC	30.00	40,500.00	32.02	43,227.00	20.50	27,675.00	20.00	27,000.00
22	8	EA	FURNISH AND INSTALL NO. 6 PULL BOX FOR SIC	400.00	3,200.00	228.75	1,830.00	351.00	2,808.00	225.00	1,800.00
23	1	LS	SIC TERMINATION AT TENNYSON RD./HESPERIAN BLVD.	300.00	300.00	310.00	310.00	629.00	629.00	400.00	400.00
<b>TOTAL ADDITIVE ALTERNATIVE NO. 1</b>				<b>44,000.00</b>		<b>45,367.00</b>		<b>31,112.00</b>		<b>29,200.00</b>	
ADDITIVE ALTERNATIVE BID NO. 2											
24	1	LS	REMOVE CURB RAMP	1,000.00	1,000.00	77.00	77.00	1,106.00	1,106.00	1,000.00	1,000.00
25	1	EA	INSTALL CASE "F" CURB RAMP	1,500.00	1,500.00	200.00	200.00	2,273.00	2,273.00	2,500.00	2,500.00
<b>TOTAL ADDITIVE ALTERNATIVE NO. 2</b>				<b>2,500.00</b>		<b>277.00</b>		<b>3,379.00</b>		<b>3,500.00</b>	
<b>TOTAL BASE BID PLUS ADDITIVE ALT. BID NO. 1 AND NO. 2</b>				<b>179,960.00</b>		<b>156,176.30</b>		<b>153,616.50</b>		<b>157,741.00</b>	

\* TOTAL DIFFERENT THAN SUBMITTED BID

**CITY OF HAYWARD**

**TRAFFIC SIGNAL INSTALLATION AT W. TENNYSON ROAD-OLIVER DRIVE**

**PROJECT NO. 5747; FEDERAL PROGRAM #STPLHG-5050(023)**

**BIDS OPENED: NOVEMBER 13, 2001**

(NUMBER OF BIDS RECEIVED - 5)

<b>BID SUMMARY</b>				<b>ENGINEER'S ESTIMATE</b>		<b>PRISM ENGINEERING, INC. 10732 CHESTNUT AVENUE STANTON CA 90680 (714) 252-948      PHONE (714) 252-948      FAX</b>		<b>UTAH PACIFIC CONST. CO 40940 ELEANORA WAY MURRIETA CA 92562 (909) 677-987      PHONE (909) 677-674      FAX</b>	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	MOBILIZATION	5,000.00	5,000.00	5,000.00	5,000.00	10,000.00	10,000.00
2	1	LS	TRAFFIC CONTROL	7,500.00	7,500.00	5,000.00	5,000.00	10,000.00	10,000.00
3	1	LS	TRAFFIC SIGNAL AND SAFETY LIGHTING	95,000.00	95,000.00	90,250.00	90,250.00	140,000.00	140,000.00
4	2,750	LF	REMOVE TRAFFIC STRIPES AND PAVEMENT MARKERS	1.50	4,125.00	2.50	6,875.00	2.00	5,500.00
5	22	SF	REMOVE PAVEMENT MARKINGS	2.50	55.00	5.00	110.00	6.00	132.00
6	1	LS	REMOVE AND SALVAGE ELECTROLIER	2,000.00	2,000.00	1,500.00	1,500.00	1,000.00	1,000.00
7	3	EA	REMOVE AND SALVAGE EXISTING ROADSIDE SIGN	100.00	300.00	200.00	600.00	150.00	450.00
8	2	EA	FURNISH AND INSTALL TYPE 1 BARRICADE WITH R49 SIGN	1,000.00	2,000.00	600.00	1,200.00 *	100.00	200.00
9	2	EA	FURNISH AND INSTALL R26 SIGN ON EXISTING POLE	100.00	200.00	200.00	400.00 *	300.00	600.00
10	2	EA	FURNISH AND INSTALL NEW POLE AND R26 SIGN	350.00	700.00	500.00	1,000.00	300.00	600.00
11	1,170	LF	INSTALL THERMOPLASTIC STRIPING AND PAVEMENT MARKERS - DETAIL 9	2.00	2,340.00	3.00	3,510.00	2.00	2,340.00
12	90	LF	INSTALL THERMOPLASTIC STRIPING - DETAIL 21	3.00	270.00	6.00	540.00	3.00	270.00
13	240	LF	INSTALL THERMOPLASTIC STRIPING - DETAIL 28	4.00	960.00	5.00	1,200.00	4.00	960.00
14	100	LF	INSTALL THERMOPLASTIC STRIPING AND PAVEMENT MARKERS - DETAIL 38	2.50	250.00	15.00	1,500.00	5.00	500.00

**CITY OF HAYWARD**

**TRAFFIC SIGNAL INSTALLATION AT W. TENNYSON ROAD-OLIVER DRIVE**

**PROJECT NO. 5747; FEDERAL PROGRAM #STPLHG-5050(023)**

**BIDS OPENED: NOVEMBER 13, 2001**

(NUMBER OF BIDS RECEIVED - 5)

<b>BID SUMMARY</b>				<b>ENGINEER'S ESTIMATE</b>		<b>PRISM ENGINEERING, INC. 10732 CHESTNUT AVENUE STANTON CA 90680 (714) 252-948 PHONE (714) 252-948 FAX</b>		<b>UTAH PACIFIC CONST. CO 40940 ELEANORA WAY MURRIETA CA 92562 (909) 677-987 PHONE (909) 677-674 FAX</b>	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
15	580	LF	INSTALL THERMOPLASTIC STRIPING - DETAIL 39	2.00	1,160.00	7.00	4,060.00	4.00	2,320.00
16	200	LF	INSTALL THERMOPLASTIC STRIPING - DETAIL 39A	2.00	400.00	10.00	2,000.00	5.00	1,000.00
17	160	LF	INSTALL 12" WHITE THERMOPLASTIC LIMIT LINE/CROSSWALK	4.00	640.00	10.00	1,600.00	5.00	800.00
18	220	LF	INSTALL STRIPING - RED CURB	2.00	440.00	5.00	1,100.00	5.00	1,100.00
19	30	SF	INSTALL THERMOPLASTIC PAVEMENT MARKINGS	4.00	120.00	25.00	750.00	10.00	300.00
20	1	LS	ADMINISTRATIVE CHANGE ORDERS	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
<b>TOTAL BASE BID</b>				<b>133,460.00</b>		<b>138,195.00 *</b>		<b>188,072.00</b>	
ADDITIVE ALTERNATIVE BID NO. 1									
21	1,350	LF	FURNISH AND INSTALL 2" CONDUIT AND SIC	30.00	40,500.00	21.00	28,350.00	11.00	14,850.00
22	8	EA	FURNISH AND INSTALL NO. 6 PULL BOX FOR SIC	400.00	3,200.00	400.00	3,200.00	2,500.00	20,000.00
23	1	LS	SIC TERMINATION AT TENNYSON RD./HESPERIAN BLVD.	300.00	300.00	1,000.00	1,000.00	2,000.00	2,000.00
<b>TOTAL ADDITIVE ALTERNATIVE NO. 1</b>				<b>44,000.00</b>		<b>32,550.00</b>		<b>36,850.00</b>	
ADDITIVE ALTERNATIVE BID NO. 2									
24	1	LS	REMOVE CURB RAMP	1,000.00	1,000.00	1,000.00	1,000.00	2,000.00	2,000.00
25	1	EA	INSTALL CASE "F" CURB RAMP	1,500.00	1,500.00	2,500.00	2,500.00	5,000.00	5,000.00
<b>TOTAL ADDITIVE ALTERNATIVE NO. 2</b>				<b>2,500.00</b>		<b>3,500.00</b>		<b>7,000.00</b>	
<b>TOTAL BASE BID PLUS ADDITIVE ALT. BID NO. 1 AND NO. 2</b>				<b>179,960.00</b>		<b>174,245.00</b>		<b>231,922.00</b>	

\* TOTAL DIFFERENT THAN SUBMITTED BID

HAYWARD CITY COUNCIL

RESOLUTION NO. \_\_\_\_\_

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

RESOLUTION APPROVING ADDENDUM NO. 1 FOR THE TRAFFIC SIGNAL INSTALLATION ON WEST TENNYSON ROAD AT OLIVER DRIVE, PROJECT 5747, AND AWARDING CONTRACT TO ST. FRANCIS ELECTRIC, INC.

WHEREAS, by resolution on July 24, 2001, the City Council approved the plans and specifications for the Traffic Signal Installation at West Tennyson Road and Oliver Drive, Project No. 5747, and called for bids to be received on August 28, 2001; and

WHEREAS, on September 18, 2001, Council rejected the only bid received because it was too high, and authorized re-advertising the project in mid October for bids to be received November 13, 2001; and

WHEREAS, St. Francis Electric Company, Inc. submitted the low base bid; and

WHEREAS, Addendum No. 1 was issued to update the Federal Minimum Wage Rates and to clarify plan holders' questions.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hayward that Addendum No. 1, a copy of which is on file in the office of the City Clerk, is hereby approved and adopted as part of the plans and specifications for the project.

BE IT FURTHER RESOLVED that St. Francis Electric, Inc. of Hayward, California is hereby awarded the contract for the Traffic Signal Installation at West Tennyson Road and Oliver Drive Project, Project No. 5747, 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.

BE IT FURTHER RESOLVED that the City Manager is hereby authorized and directed to negotiate and execute an agreement in an amount not to exceed \$156,176.30 for the award of the contract on behalf of the City of Hayward, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 2001

ADOPTED BY THE FOLLOWING VOTE:

AYES: COUNCIL MEMBERS:

MAYOR:

NOES: COUNCIL MEMBERS: None

ABSTAIN: COUNCIL MEMBERS: None

ABSENT: COUNCIL MEMBERS: None

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

APPROVED AS TO FORM:

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