



CITY OF HAYWARD AGENDA REPORT

AGENDA DATE 05/19/98

AGENDA ITEM 1

WORK SESSION ITEM _____

TO: Mayor and City Council
FROM: Director of Public Works
SUBJECT: **WINTON AVENUE/"D" STREET FIBER OPTIC INTERCONNECT SYSTEM:
APPROVAL OF ADDENDA NOS. 1 AND 2, AWARD OF CONTRACT, AND
APPROPRIATION OF FUNDS**

Recommendation:

It is recommended that the City Council adopt the attached resolutions that provide for funding, approval of addendums, and award of the base bid, plus additives.

Background/Discussion:

On March 24, 1998, the City Council approved the plans and specification for the above referenced projects. The purpose of these projects is to install a fiber optic traffic signal interconnect system on Winton Avenue and "D" Street. The fiber optic system will work in concert with the interconnect systems on "D" Street, between Second Street and Winton Avenue, and on Winton Avenue, between Soto Road and Corsair Boulevard, which are either in operation or under construction. Presently, there are two types of interconnect systems within the project limits. A copper hardwire system exists on the eastern portion of the project from Soto Road to Grand Street and will continue to Second Street after the "D" Street widening is complete. A spread-spectrum wireless interconnect system has recently been installed from Soto Road to Corsair Boulevard on the western portion. The proposed overall system will be a hybrid system using the fiber optic cable as the communication backbone, while keeping the existing intersection-to-intersection connections in place in order to preserve the City's previous investment in traffic signal hardware. Although it would be possible to construct a pure fiber optic traffic signal system, it was deemed inappropriate and too costly to convert every intersection, at this time.

Under the new system, the two intersections with existing on-street traffic signal master controllers at Hesperian Boulevard and Winton Avenue, and Soto Road and Winton Avenue will have direct communications with City Hall utilizing the fiber optics backbone. Currently, telephone lines and modems are used for this type of communication. Additionally, provisions have been made to bring video to City Hall from locations where video detection systems have or will be installed for traffic control. The video detection systems, however, are not designed for traffic enforcement.

An added benefit of this project will be the ability to utilize the proposed fiber optic backbone to connect City facilities, such as the Police Department, the Main Library, Fire Station No. 1, and the Corporation Yard/EOC to City Hall.

On April 21, 1998, a total of three bids were received ranging from \$225,426 to \$304,935 for the base bids. NETSYS Engineering, Inc. submitted the low bid in the amount of \$225,426 for the base bid, which is 24 percent lower than the Engineer's Estimate of \$296,650. The bid additives include the extension of the fiber optic cable along Winton Avenue from Hesperian Boulevard to Corsair Boulevard, and the connection of the fiber optics to the Police Department, the Main Library, and Fire Station No. 1.

Staff recommends that the award specifically include the following additive bid items: the connections to the Police Department (\$13,830), the Main Library (\$15,830), and Fire Station No. 1 (\$13,830), for a total of \$60,791. The additive bid item to extend the fiber backbone from Hesperian Boulevard to Corsair Boulevard at \$90,908 is not recommended at this time.

Staff had inadvertently omitted the administrative change order line item from the bid proposals and Engineer's Estimate. It is our normal procedure to include an administrative change order amount in all Public Works contracts to accommodate minor variations in the scope of contracts. The administrative change order amount for this project would have been a fixed number of \$25,000, which is applicable to all bids and hence would not change the bidders' positions. It is recommended that Council authorize the addition of the Administrative Change Order line item to the contract. Since the bids were so low, it is further recommended that the administrative change order amount of \$25,000 be increased by \$40,000 for a total of \$65,000, to allow additional terminal equipment to be installed at all building sites to finalize the fiber optic connections. Previously, due to funding constraints, it was assumed that monies would not be available for this purpose. The addition of the equipment in the various buildings is the last piece necessary to establish the active communications link between the various buildings.

Addenda Nos. 1 and 2 were issued to eliminate sawcuts adjacent to rockwheel trenches to reduce costs and to allow installation of conduits by directional drilling in addition to the trenching method shown on a majority of conduit runs. The option would result in superior installation utilizing directional drilling, and could be comparable in cost where utilized by contractors who own the drilling equipment. The low bidder has indicated he will use directional drilling.

Staff established a combined goal of 4 percent for Disadvantaged Business Enterprise (DBE)/Women-Owned Business Enterprise (WBE) participation. The low bidder obtained 4 percent WBE participation by utilizing a woman-owned fiber optic cable supplier for these projects.

Project Cost:

Estimated projects costs:

Design and Administration	\$ 65,000
Construction	
Base bid	225,426
Additives	60,791
Administrative Change Orders	65,000
Inspection and Caltrans Permits	<u>40,000</u>
TOTAL	\$ 456,217

Funding:

The City's 1997/98 Capital Improvement Program includes a total of \$219,000 in the Transportation System Improvement Fund for the Winton Avenue Fiber Optic Project and the "D" Street Fiber Optic Project. The additional \$238,000 needed for the project is recommended, with \$130,000 allocated for "D" Street and \$108,000 for Winton Avenue. The proposed 1998/99 Capital Improvement Program budget took into account the additional required funding for these two projects and the monies are available in the Transportation System Improvement Fund for this purpose.

Schedule:

Award contract
Begin work
Completion

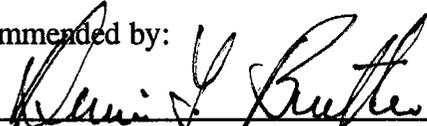
May 19, 1998
June 15, 1998
November 30, 1998

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

Attachment: Exhibit A: Project Location Map
 Exhibit B: Summary of Bids

CITY OF HAYWARD
WINTON AVENUE AND D STREET FIBER OPTICS INTERCONNECT SYSTEM
PROJECT NOS. 5729 & 5738
BIDS OPENED: TUESDAY, APRIL 21, 1998

(NUMBER OF BIDS RECEIVED - 3)

EXHIBIT B

BID SUMMARY			ENGINEER'S ESTIMATE		NETSYS ENGINEERING INC 7066-A COMMERCE CIRCLE PLEASANTON CA 94568 (925) 463-9195		ALL STAR TELECOM 3346 ARDEN ROAD HAYWARD CA 94545 (510) 782-0900		
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	17,500	LF	60 SMFO OUTDOOR CABLE	6.00	105,000.00	2.40	42,000.00	3.84	67,200.00
2	1,350	LF	6 SMFO OUTDOOR CABLE	2.50	3,375.00	0.81	1,093.50	0.99	1,336.50
3	300	LF	60 SMFO INDOOR CABLE	7.50	2,250.00	11.40	3,420.00	6.45	1,935.00
4	5,800	LF	3" CONDUIT BY TRENCHING METHOD	15.00	87,000.00	12.50	72,500.00	14.77	85,688.00
5	450	LF	3" CONDUIT BY DIRECTIONAL DRILLING	25.00	11,250.00	33.00	14,850.00	14.77	6,646.50
6	250	LF	BRIDGE CONDUIT (INCLUDES PAINTING)	80.00	20,000.00	100.00	25,000.00	40.29	10,072.50
7	1	LS	BRIDGE EXPANSION JOINTS AND CONNECTIONS	1,200.00	1,200.00	2,000.00	2,000.00	2,471.25	2,471.25
8	600	LF	OUTDOOR INNERDUCT	1.25	750.00	0.50	300.00	2.41	1,446.00
9	450	LF	INDOOR INNERDUCT	2.50	1,125.00	0.55	247.50	5.16	2,322.00
10	24	EA	NO. 6 PULL BOX	350.00	8,400.00	575.00	13,800.00	235.04	5,640.96
11	1	EA	NO. N48 PULL BOX	900.00	900.00	1,675.00	1,675.00	671.54	671.54
12	8	EA	NO. N40 PULL BOX	600.00	4,800.00	800.00	6,400.00	537.23	4,297.84
13	4	EA	REMOVE PULL BOX	150.00	600.00	150.00	600.00	134.31	537.24
14	2	EA	SPLICE CLOSURE	800.00	1,600.00	1,450.00	2,900.00	1,840.01	3,680.02
15	2	EA	CABLE ENCLOSURE	500.00	1,000.00	450.00	900.00	293.33	586.66
16	4	EA	SMFO TRANSCEIVER	1,000.00	4,000.00	950.00	3,800.00	1,980.22	7,920.88
17	4	EA	SMFO VIDEO TRANSCEIVER	3,200.00	12,800.00	1,800.00	7,200.00	2,733.69	10,934.76
18	1	EA	RACK UNIT	1,000.00	1,000.00	950.00	950.00	989.57	989.57
19	3	EA	RS 232/485 CONVERTOR	100.00	300.00	180.00	540.00	212.74	638.22
20	2	EA	CONDUIT CONNECTION TO THE CONTROLLER CABINET	500.00	1,000.00	400.00	800.00	671.54	1,343.08
21	1	LS	FIBER DISTRIBUTION CENTER IN CORP YARD	4,000.00	4,000.00	3,150.00	3,150.00	2,007.62	2,007.62
22	1	LS	FIBER DISTRIBUTION CENTER IN CITY HALL	5,000.00	5,000.00	3,250.00	3,250.00	2,895.12	2,895.12
23	1	LS	TERMINAL SERVER	5,000.00	5,000.00	3,600.00	3,600.00	4,763.07	4,763.07
24	2	EA	FIBER OPTIC CABINET MOUNTED INTERCONNECT CENTER	1,000.00	2,000.00	650.00	1,300.00	496.94	993.88
25	1	LS	VIDEO SWITCH AND CONNECTION TO THE AUTOSCOPE	1,200.00	1,200.00	1,950.00	1,950.00	219.19	219.19
26	1	LS	CORPORATION YARD BUILDING CONNECTION	1,000.00	1,000.00	1,950.00	1,950.00	3,782.09	3,782.09
27	1	EA	3" STUB-OUT	100.00	100.00	150.00	150.00	268.61	268.61
28	1	LS	TRAFFIC CONTROL	10,000.00	10,000.00	9,100.00	9,100.00	0.00	0.00
TOTAL BASE BID					296,650.00		225,426.00		231,266.10

CITY OF HAYWARD
WINTON AVENUE AND D STREET FIBER OPTICS INTERCONNECT SYSTEM
PROJECT NOS. 5729 & 5738
BIDS OPENED: TUESDAY, APRIL 21, 1998

(NUMBER OF BIDS RECEIVED - 3)

BID SUMMARY				ENGINEER'S ESTIMATE		NETSYS ENGINEERING INC 7066-A COMMERCE CIRCLE PLEASANTON CA 94566 (925) 483-9195		ALL STAR TELECOM 3348 ARDEN ROAD HAYWARD CA 94545 (510) 782-0900	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
ADDITIVE BID ITEMS A - LOCAL CONTROLLERS & WEST OF HESPERIAN INSTALLATION									
1A	7,300	LF	6 SMFO OUTDOOR CABLE	2.50	18,250.00	0.81	5,913.00	0.99	7,227.00
2A	4,600	LF	2" CONDUIT BY TRENCHING METHOD	13.50	62,100.00	12.00	55,200.00	14.77	67,942.00
3A	13	EA	NO. 6 PULL BOX	350.00	4,550.00	575.00	7,475.00	258.54 *	3,361.02
4A	1	EA	NO. N40 PULL BOX	600.00	600.00	800.00	800.00	590.95	590.95
5A	90	LF	2" CONDUIT BY DIRECTIONAL DRILLING METHOD	22.00	1,980.00	33.00	2,970.00	16.25 *	1,462.50
6A	7	EA	SMFO TRANSCEIVER	1,000.00	7,000.00	950.00	6,650.00	1,980.22	13,861.54
7A	5	EA	FIBER OPTICS CABINET MOUNTED INTERCONNECT CENTER	900.00	4,500.00	650.00	3,250.00	498.94	2,484.70
8A	5	EA	CONDUIT CONNECTION TO THE CONTROLLER CABINET	500.00	2,500.00	400.00	2,000.00	671.54	3,357.70
9A	1	EA	2" STUB-OUT	100.00	100.00	150.00	150.00	288.61	288.61
10A	1	LS	TRAFFIC CONTROL	2,000.00	2,000.00	6,500.00	6,500.00	1,500.00	1,500.00
TOTAL ADDITIVE BID ITEMS A					103,580.00		90,908.00		102,056.02
ADDITIVE BID ITEMS B - POLICE DEPARTMENT EXTENSION									
1B	1,200	LF	60 SMFO OUTDOOR CABLE	6.00	7,200.00	2.40	2,880.00	3.84	4,608.00
2B	1	LS	INTERCEPT CONDUIT AND INSTALL SWEEP	350.00	350.00	2,500.00	2,500.00	600.00	600.00
3B	1	EA	CABLE ENCLOSURE	500.00	500.00	450.00	450.00	293.33	293.33
4B	1	LS	FIBER DISTRIBUTION CENTER	4,500.00	4,500.00	3,150.00	3,150.00	2,895.12	2,895.12
5B	1	LS	TRAFFIC CONTROL	200.00	200.00	4,850.00	4,850.00	500.00	500.00
TOTAL ADDITIVE BID ITEMS B					12,750.00		13,830.00		8,896.45
ADDITIVE BID ITEMS C - MAIN LIBRARY EXTENSION									
1C	400	LF	60 SMFO OUTDOOR CABLE	6.00	2,400.00	2.40	960.00	3.84	1,536.00
2C	1	EA	NO. 6 PULL BOX	350.00	350.00	575.00	575.00	284.40 *	284.40
3C	1	EA	NO. N40 PULL BOX	600.00	600.00	800.00	800.00	650.05	650.05
4C	80	LF	3" CONDUIT BY TRENCHING	15.00	1,200.00	12.00	960.00	16.25 *	1,300.00
5C	70	LF	3" CONDUIT BY DIRECTIONAL DRILLING	25.00	1,750.00	10.00	700.00	16.25 *	1,137.50
6C	1	LS	MAIN LIBRARY BUILDING CONNECTION	3,000.00	3,000.00	3,685.00	3,685.00	4,800.00	4,800.00
7C	1	EA	CABLE ENCLOSURE	500.00	500.00	450.00	450.00	293.33	293.33
8C	1	LS	FIBER DISTRIBUTION CENTER	4,500.00	4,500.00	3,150.00	3,150.00	2,895.12	2,895.12
9C	1	LS	TRAFFIC CONTROL	1,000.00	1,000.00	4,550.00	4,550.00	1,000.00	1,000.00
TOTAL ADDITIVE BID ITEMS C					15,300.00		15,830.00		13,896.40

* TOTAL DIFFERENT FROM SUBMITTED BID

CITY OF HAYWARD
WINTON AVENUE AND D STREET FIBER OPTICS INTERCONNECT SYSTEM
PROJECT NOS. 5729 & 5738
BIDS OPENED: TUESDAY, APRIL 21, 1998

(NUMBER OF BIDS RECEIVED - 3)

BID SUMMARY			ENGINEER'S ESTIMATE		NETSYS ENGINEERING INC 7088-A COMMERCE CIRCLE PLEASANTON CA 94586 (925) 483-9195		ALL STAR TELECOM 3346 ARDEN ROAD HAYWARD CA 94545 (510) 782-0900		
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
ADDITIVE BID ITEMS D - FIRE STATION NO. 1 EXTENSION									
1D	2,500	LF	60 SMFO OUTDOOR CABLE	6.00	15,000.00	2.40	6,000.00	3.84	9,600.00
2D	300	LF	60 SMFO INDOOR CABLE	8.00	2,400.00	18.17	5,451.00	6.45	1,935.00
3D	2	EA	NO. 6 PULL BOX	350.00	700.00	575.00	1,150.00	258.54 *	517.08
4D	30	LF	3" CONDUIT BY DIRECTIONAL DRILLING	25.00	750.00	33.00	990.00	16.25 *	487.50
5D	1	EA	REMOVE EXISTING PULL BOX	200.00	200.00	150.00	150.00	134.31	134.31
6D	500	LF	3" CONDUIT BY TRENCHING	15.00	7,500.00	12.00	6,000.00	14.77	7,385.00
7D	1	EA	CABLE ENCLOSURE	500.00	500.00	450.00	450.00	293.33 *	293.33
8D	300	LF	INDOOR INNERDUCT	2.50	750.00	0.80	240.00	5.16 *	1,548.00
9D	1	LS	ADDITIONAL SPLICING AND CONNECTORS IN CITY HALL	1,000.00	1,000.00	2,850.00	2,850.00	1,300.00	1,300.00
10D	1	LS	FIBER DISTRIBUTION CENTER	4,000.00	4,000.00	3,250.00	3,250.00	2,895.12	2,895.12
11D	1	LS	TRAFFIC CONTROL	1,500.00	1,500.00	4,800.00	4,800.00	1,000.00	1,000.00
TOTAL ADDITIVE BID ITEMS D					34,300.00		31,131.00		27,095.34
TOTAL BID					462,580.00		377,125.00		383,210.31

* TOTAL DIFFERENT FROM SUBMITTED BID

CITY OF HAYWARD
WINTON AVENUE AND D STREET FIBER OPTICS INTERCONNECT SYSTEM
PROJECT NOS. 5729 & 5738
BIDS OPENED: TUESDAY, APRIL 21, 1998

(NUMBER OF BIDS RECEIVED - 3)

BID SUMMARY			ENGINEER'S ESTIMATE		ROSENDIN ELECTRIC INC 880 N MABURY ROAD SAN JOSE CA 95133 (408) 286-2800	
ITEM	QUANTITY UNIT	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL
1	17,500 LF	60 SMFO OUTDOOR CABLE	6.00	105,000.00	2.90	50,750.00
2	1,350 LF	6 SMFO OUTDOOR CABLE	2.50	3,375.00	1.00	1,350.00
3	300 LF	60 SMFO INDOOR CABLE	7.50	2,250.00	2.90	870.00
4	5,800 LF	3" CONDUIT BY TRENCHING METHOD	15.00	87,000.00	21.00	121,800.00
5	450 LF	3" CONDUIT BY DIRECTIONAL DRILLING	25.00	11,250.00	57.00	25,650.00
6	250 LF	BRIDGE CONDUIT (INCLUDES PAINTING)	80.00	20,000.00	34.80 *	8,700.00
7	1 LS	BRIDGE EXPANSION JOINTS AND CONNECTIONS	1,200.00	1,200.00	1,100.00	1,100.00
8	600 LF	OUTDOOR INNERDUCT	1.25	750.00	2.00	1,200.00
9	450 LF	INDOOR INNERDUCT	2.50	1,125.00	2.00	900.00
10	24 EA	NO. 6 PULL BOX	350.00	8,400.00	600.00	14,400.00
11	1 EA	NO. N48 PULL BOX	900.00	900.00	1,030.00	1,030.00
12	8 EA	NO. N40 PULL BOX	600.00	4,800.00	980.00	7,840.00
13	4 EA	REMOVE PULL BOX	150.00	600.00	175.00	700.00
14	2 EA	SPLICE CLOSURE	800.00	1,600.00	1,000.00	2,000.00
15	2 EA	CABLE ENCLOSURE	500.00	1,000.00	330.00	660.00
16	4 EA	SMFO TRANSCEIVER	1,000.00	4,000.00	2,250.00	9,000.00
17	4 EA	SMFO VIDEO TRANSCEIVER	3,200.00	12,800.00	2,750.00	11,000.00
18	1 EA	RACK UNIT	1,000.00	1,000.00	720.00	720.00
19	3 EA	RS 232/485 CONVERTOR	100.00	300.00	160.00	480.00
20	2 EA	CONDUIT CONNECTION TO THE CONTROLLER CABINET	500.00	1,000.00	150.00	300.00
21	1 LS	FIBER DISTRIBUTION CENTER IN CORP YARD	4,000.00	4,000.00	8,400.00	8,400.00
22	1 LS	FIBER DISTRIBUTION CENTER IN CITY HALL	5,000.00	5,000.00	7,800.00	7,800.00
23	1 LS	TERMINAL SERVER	5,000.00	5,000.00	2,500.00	2,500.00
24	2 EA	FIBER OPTIC CABINET MOUNTED INTERCONNECT CENTER	1,000.00	2,000.00	145.00	290.00
25	1 LS	VIDEO SWITCH AND CONNECTION TO THE AUTOSCOPE	1,200.00	1,200.00	1,300.00	1,300.00
26	1 LS	CORPORATION YARD BUILDING CONNECTION	1,000.00	1,000.00	8,300.00	8,300.00
27	1 EA	3" STUB-OUT	100.00	100.00	800.00	800.00
28	1 LS	TRAFFIC CONTROL	10,000.00	10,000.00	15,095.00	15,095.00
TOTAL BASE BID				296,650.00		304,935.00

* TOTAL DIFFERENT FROM SUBMITTED BID

CITY OF HAYWARD
WINTON AVENUE AND D STREET FIBER OPTICS INTERCONNECT SYSTEM
PROJECT NOS. 5729 & 5738
BIDS OPENED: TUESDAY, APRIL 21, 1998

(NUMBER OF BIDS RECEIVED - 3)

BID SUMMARY				ENGINEER'S ESTIMATE		ROSENDIN ELECTRIC INC 880 N MABURY ROAD SAN JOSE CA 95133 (408) 288-2800	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL
ADDITIVE BID ITEMS A - LOCAL CONTROLLERS & WEST OF HESPERIAN INSTALLATION							
1A	7,300	LF	6 SMFO OUTDOOR CABLE	2.50	18,250.00	1.00	7,300.00
2A	4,600	LF	2" CONDUIT BY TRENCHING METHOD	13.50	62,100.00	20.00	92,000.00
3A	13	EA	NO. 6 PULL BOX	350.00	4,550.00	600.00	7,800.00
4A	1	EA	NO. N40 PULL BOX	600.00	600.00	980.00	980.00
5A	90	LF	2" CONDUIT BY DIRECTIONAL DRILLING METHOD	22.00	1,980.00	57.00	5,130.00
6A	7	EA	SMFO TRANSCEIVER	1,000.00	7,000.00	2,250.00	15,750.00
7A	5	EA	FIBER OPTICS CABINET MOUNTED INTERCONNECT CENTER	900.00	4,500.00	145.00	725.00
8A	5	EA	CONDUIT CONNECTION TO THE CONTROLLER CABINET	500.00	2,500.00	150.00	750.00
9A	1	EA	2" STUB-OUT	100.00	100.00	800.00	800.00
10A	1	LS	TRAFFIC CONTROL	2,000.00	2,000.00	3,260.00	3,260.00
TOTAL ADDITIVE BID ITEMS A					103,580.00		134,495.00
ADDITIVE BID ITEMS B - POLICE DEPARTMENT EXTENSION							
1B	1,200	LF	60 SMFO OUTDOOR CABLE	6.00	7,200.00	2.90	3,480.00
2B	1	LS	INTERCEPT CONDUIT AND INSTALL SWEEP	350.00	350.00	230.00	230.00
3B	1	EA	CABLE ENCLOSURE	500.00	500.00	330.00	330.00
4B	1	LS	FIBER DISTRIBUTION CENTER	4,500.00	4,500.00	6,300.00	6,300.00
5B	1	LS	TRAFFIC CONTROL	200.00	200.00	422.00	422.00
TOTAL ADDITIVE BID ITEMS B					12,750.00		10,762.00
ADDITIVE BID ITEMS C - MAIN LIBRARY EXTENSION							
1C	400	LF	60 SMFO OUTDOOR CABLE	6.00	2,400.00	2.90	1,160.00
2C	1	EA	NO. 6 PULL BOX	350.00	350.00	600.00	600.00
3C	1	EA	NO. N40 PULL BOX	600.00	600.00	980.00	980.00
4C	80	LF	3" CONDUIT BY TRENCHING	15.00	1,200.00	21.00	1,680.00
5C	70	LF	3" CONDUIT BY DIRECTIONAL DRILLING	25.00	1,750.00	57.00	3,990.00
6C	1	LS	MAIN LIBRARY BUILDING CONNECTION	3,000.00	3,000.00	5,800.00	5,800.00
7C	1	EA	CABLE ENCLOSURE	500.00	500.00	330.00	330.00
8C	1	LS	FIBER DISTRIBUTION CENTER	4,500.00	4,500.00	6,900.00	6,900.00
9C	1	LS	TRAFFIC CONTROL	1,000.00	1,000.00	568.00	568.00
TOTAL ADDITIVE BID ITEMS C					15,300.00		22,008.00

CITY OF HAYWARD
WINTON AVENUE AND D STREET FIBER OPTICS INTERCONNECT SYSTEM
PROJECT NOS. 5729 & 5738
BIDS OPENED: TUESDAY, APRIL 21, 1998

(NUMBER OF BIDS RECEIVED - 3)

BID SUMMARY				ENGINEER'S ESTIMATE		ROSENDIN ELECTRIC INC 880 N MABURY ROAD SAN JOSE CA 95133 (408) 286-2800	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL
ADDITIVE BID ITEMS D - FIRE STATION NO. 1 EXTENSION							
1D	2,500	LF	60 SMFO OUTDOOR CABLE	6.00	15,000.00	2.90	7,250.00
2D	300	LF	60 SMFO INDOOR CABLE	8.00	2,400.00	2.90	870.00
3D	2	EA	NO. 6 PULL BOX	350.00	700.00	600.00	1,200.00
4D	30	LF	3" CONDUIT BY DIRECTIONAL DRILLING	25.00	750.00	57.00	1,710.00
5D	1	EA	REMOVE EXISTING PULL BOX	200.00	200.00	175.00	175.00
6D	500	LF	3" CONDUIT BY TRENCHING	15.00	7,500.00	21.00	10,500.00
7D	1	EA	CABLE ENCLOSURE	500.00	500.00	330.00	330.00
8D	300	LF	INDOOR INNERDUCT	2.50	750.00	2.00	600.00
9D	1	LS	ADDITIONAL SPLICING AND CONNECTORS IN CITY HALL	1,000.00	1,000.00	7,900.00	7,900.00
10D	1	LS	FIBER DISTRIBUTION CENTER	4,000.00	4,000.00	6,200.00	6,200.00
11D	1	LS	TRAFFIC CONTROL	1,500.00	1,500.00	686.00	686.00
			TOTAL ADDITIVE BID ITEMS D		34,300.00		37,421.00
			TOTAL BID		462,580.00		509,621.00

* TOTAL DIFFERENT FROM SUBMITTED BID

DRAFT JB 5/13/98

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

RESOLUTION APPROVING ADDENDA 1 AND 2 FOR WINTON AVENUE/"D" STREET FIBER OPTIC INTERCONNECT SYSTEM, PROJECTS 5729 AND 5738, MODIFYING THE PLANS AND SPECIFICATIONS ADOPTED THEREFOR, AND AWARDING CONTRACT TO NETSYS ENGINEERING, INC.

WHEREAS, by resolution on March 24, 1998, the City Council approved the plans and specifications for the Winton Avenue/"D" Street Fiber Optic Interconnect System, Projects 5729 and 5738, and called for bids to be received on April 21, 1998; and

WHEREAS, the plans and specifications for the Projects neglected to include the amount set aside by the City for potential administrative change orders, and

WHEREAS, Addenda 1 and 2 were issued to provide minor alterations to the plans and specifications; and

WHEREAS, the project is categorically exempt from environmental review under the California Environmental Quality Act;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hayward that the plans and specifications for the projects are amended to include reference to the amount of \$65,000, set aside for potential administrative change orders.

BE IT FURTHER RESOLVED by the City Council of the City of Hayward that Addenda 1 and 2, copies of which are on file in the office of the City Clerk, are hereby approved and adopted as part of the plans and specifications for the project.

BE IT FURTHER RESOLVED that NETSYS Engineering, Inc., of Pleasanton, California is hereby awarded the contract for Winton Avenue/"D" Street Fiber Optic Interconnect System, Projects 5729 and 5738, in accordance with the plans and specifications adopted therefor, including the three additive bid items for connections to the Police Department, the Main Library, and Fire Station No. 1. A copy of these plans and specifications is on file in the office of the City Clerk of the City of Hayward. The contract is awarded 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 execute a contract in an amount not to exceed \$351,217 for the award of the project on behalf of the City of Hayward, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 1998

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

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

RESOLUTION AMENDING RESOLUTION 97-100, AS AMENDED, THE BUDGET RESOLUTION FOR CAPITAL PROJECTS FOR FISCAL YEAR 1997-98, RELATING TO AN APPROPRIATION OF FUNDS WINTON AVENUE/"D" STREET FIBER OPTIC INTERCONNECT SYSTEM, PROJECTS 5729 AND 5738

BE IT RESOLVED by the City Council of the City of Hayward that Resolution No. 97-100, as amended, the Budget Resolution for Capital Projects for fiscal year 1997-98, is hereby further amended by approving additional appropriations from the Transportation System Improvement Fund 420, as follows:

1. \$130,000 to the "D" Street Fiber Optics Project No. 5729; and
2. \$108,000 to the Winton Avenue Fiber Optic Project No. 5738.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 1998

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