



CITY OF HAYWARD
AGENDA REPORT

AGENDA DATE 07/05/05
AGENDA ITEM 3
WORK SESSION ITEM _____

TO: Mayor and City Council
FROM: Director of Public Works
SUBJECT: Water Main Retrofit at Hayward Fault Crossings on Walpert Street and Palisade Street – Award of Construction Contract

RECOMMENDATION:

It is recommended that the City Council adopt the attached resolutions that:

1. Approve Addendum No. 1, which made minor modifications to the specification; and
2. Award the contract to W.R. Forde Associates, in the amount of \$987,998; and
3. Appropriate \$198,000 in the Water System Replacement Fund to complete the project.

DISCUSSION:

This is the second phase of the water main retrofit project that consists of a combination of pipeline bypass, isolation, and replacement. The pipeline bypass and isolation systems were implemented in the first phase of this project. The remaining phase, in this construction contract to be awarded, includes the replacement of pipelines at Walpert Street and Palisade Street. It is recommended that the pipelines be replaced with high-strength steel pipes for better rupture resistance.

The construction of replacement water mains will improve seismic resistance and reliability. The new steel water pipes will provide adequate resistance to displacement and rotation and, therefore, can survive a major seismic event on the Hayward fault. This project consists, in general, of replacing 1,211 linear feet of existing 24-inch pipe at Walpert Street and 719 linear feet of 16-inch pipe at Palisade Street. The project also includes installation of new valves and fittings, abandonment of existing mains and valves, and slurry seal at Walpert Street and Fletcher Street.

On April 12, 2005, the City Council approved the plans and specifications and called for bids to be received on May 17, 2005. On May 17, 2005, staff received four bids ranging from \$987,998 to \$1,219,934. W.R. Forde Associates, of Richmond, submitted the low bid of \$987,998, which is approximately 27 percent above the Engineer's Estimate of \$778,860. MJB Pipeline Inc., of Hayward, submitted the second low bid of \$1,041,512, approximately 34 percent above the Engineer's Estimate. The significant difference between the bids compared to the engineer's

estimate is due to recent significant increases in steel pipe costs as the global supply of steel cannot meet the high demand. However, based on the number of consistent bids, staff recommends award to the low bidder, W.R. Forde Associates.

PROJECT COSTS:

Engineering Study	\$ 139,000
Phase I Construction (In-house)	251,000
Design (In-house)	40,000
Phase II Contract Construction (This Action)	988,000
Inspection and Administration	<u>80,000</u>
TOTAL	\$ 1,498,000

FUNDING:

The 2005/06 Capital Improvement Program includes a total of \$1,300,000 for this project in the Water System Replacement Fund. An additional appropriation of \$198,000 is necessary to award this project. Sufficient monies are available within the Water System Replacement Fund to cover this appropriation.

SCHEDULE:

Award Contract	July 5, 2005
Begin Construction	August 2, 2005
End Construction	January 10, 2006

Prepared by:


Alex Ameri, Deputy Director of Public Works

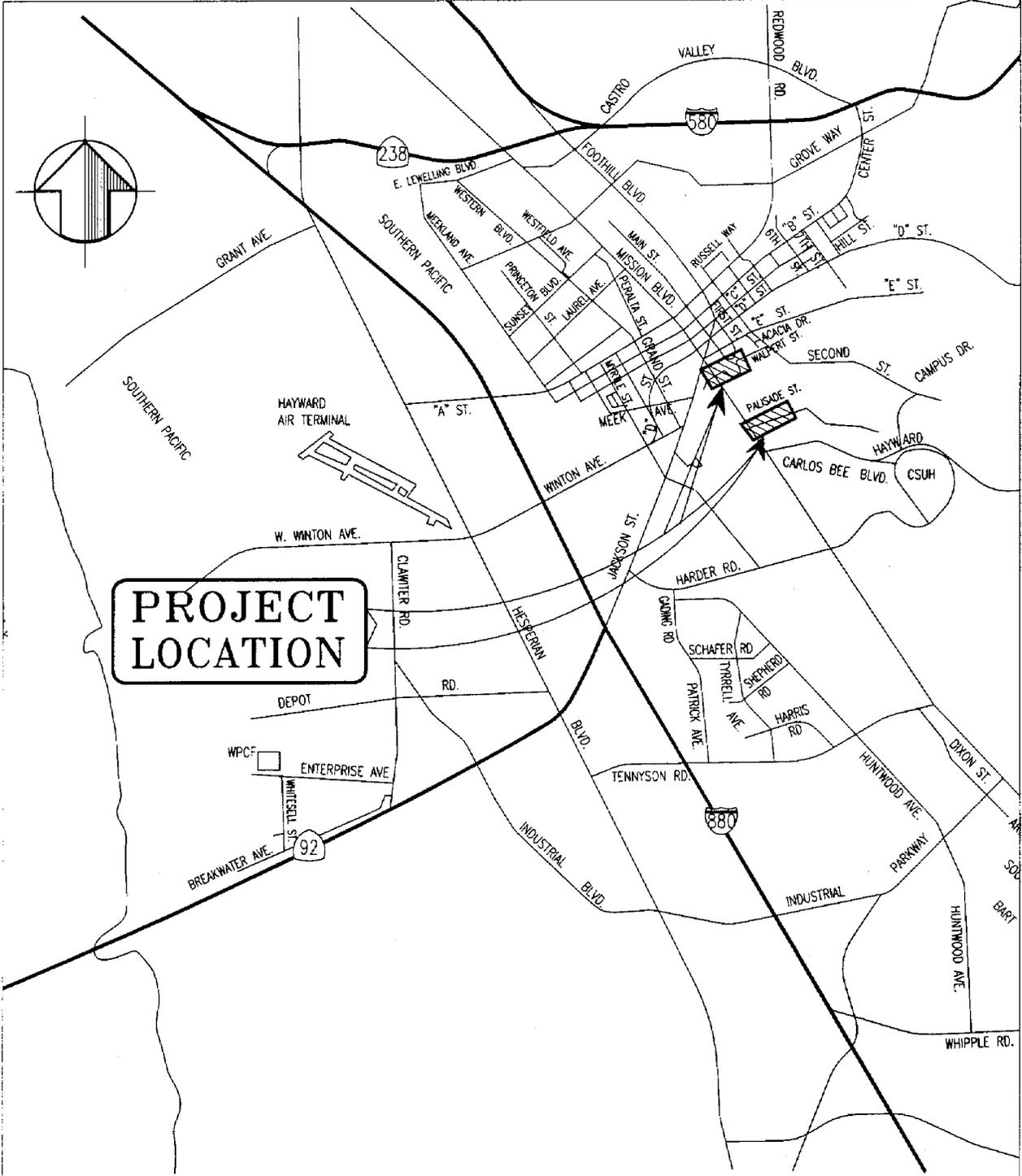
Recommended by:

for 
Dennis L. Butler, Director of Public Works

Approved by:


Jesús Armas, City Manager

Attachments: Exhibit A: Location Map
Exhibit B: Summary of Bids



LOCATION MAP

**WATER MAINS RETROFIT AT HAYWARD FALUT CROSSING AT
WALPERT STREET AND PALISADE STREET**

PROJECT NO. 623-7164

EXHIBIT "A"

CITY OF HAYWARD
 WATER MAIN RETROFIT AT HAYWARD CROSSING ON WALPERT STREET AND PALISADE STREET
 PROJECT NO. 7164
 BIDS OPENED: MAY 17, 2005

(NUMBER OF BIDS RECEIVED - 4)

BID SUMMARY				ENGINEER'S ESTIMATE		W. R. Forde 984 Hensley Street Richmond, CA 94801 (510) 215-9338 (510) 215-9867		MJB Pipeline 2347 Dunn Road Hayward, CA 94545 (510) 785-5805 (510) 786-0319	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	CONSTRUCTION AREAS SIGNS	4,000.00	4,000.00	15,000.00	15,000.00	4,800.00	4,800.00
2	1	LS	TRAFFIC CONTROL SYSTEM	20,000.00	20,000.00	25,000.00	25,000.00	20,000.00	20,000.00
3	1	LS	TRENCH SHORING AND TRENCH SAFETY	10,000.00	10,000.00	20,000.00	20,000.00	7,250.00	7,250.00
4	177	TN	ASPHALT CONCRETE (PAVEMENT REPLACEMENT)	110.00	19,470.00	150.00	26,550.00	239.00	42,303.00
5	2,300	M2	SLURRY SEAL	10.00	23,000.00	4.50	10,350.00	5.25	12,075.00
6	192	M	INSTALL 600MM (24"), 16MM (5/8") THICK API 5L GRADE X65 PIPE	1,150.00	220,800.00	1,890.00	362,880.00	1,939.00	372,288.00
7	219	M	INSTALL 400MM (16"), 13MM (1/2") THICK API 5L GRADE X65 PIPE	1,050.00	229,950.00	1,332.00	291,708.00	1,360.00	297,840.00
8	177	M	INSTALL 600MM (24") DIP PIPE	820.00	145,140.00	630.00	111,510.00	1,028.00	181,956.00
9	1	LS	ABANDON EXISTING WATER MAIN AND VALVES	6,500.00	6,500.00	25,000.00	25,000.00	3,000.00	3,000.00
10	1	LS	ADMINISTRATIVE CHANGE ORDER	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00
TOTAL					778,860.00		987,998.00		1,041,512.00

Exhibit B

CITY OF HAYWARD
 WATER MAIN RETROFIT AT HAYWARD CROSSING ON WALPERT STREET AND PALISADE STRE
 PROJECT NO. 7164
 BIDS OPENED: MAY 17, 2005

(NUMBER OF BIDS RECEIVED - 4)

BID SUMMARY				ENGINEER'S ESTIMATE		Silva's Pipeline Construction PO Box 751 Hayward, CA 945430751 (510) 786-2722 (510) 786-3018		ARB 1875 Loveridge Road Pittsburg, CA 94565 (415) 206-1015 (415) 206-1054	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	CONSTRUCTION AREAS SIGNS	4,000.00	4,000.00	9,000.00	9,000.00	6,000.00	6,000.00
2	1	LS	TRAFFIC CONTROL SYSTEM	20,000.00	20,000.00	16,000.00	16,000.00	30,000.00	30,000.00
3	1	LS	TRENCH SHORING AND TRENCH SAFETY	10,000.00	10,000.00	40,000.00	40,000.00	15,000.00	15,000.00
4	177	TN	ASPHALT CONCRETE (PAVEMENT REPLACEMENT)	110.00	19,470.00	295.00	52,215.00	200.00	35,400.00
5	2,300	M2	SLURRY SEAL	10.00	23,000.00	6.25	14,375.00	9.00	20,700.00
6	192	M	INSTALL 600MM (24"), 16MM (5/8") THICK API 5L GRADE X65 PIPE	1,150.00	220,800.00	2,255.00	432,960.00	2,470.00	474,240.00
7	219	M	INSTALL 400MM (16"), 13MM (1/2") THICK API 5L GRADE X65 PIPE	1,050.00	229,950.00	1,550.00	339,450.00	1,620.00	354,780.00
8	177	M	INSTALL 600MM (24") DIP PIPE	820.00	145,140.00	900.00	159,300.00	982.00	173,814.00
9	1	LS	ABANDON EXISTING WATER MAIN AND VALVES	6,500.00	6,500.00	12,000.00	12,000.00	10,000.00	10,000.00
10	1	LS	ADMINISTRATIVE CHANGE ORDER	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00
TOTAL					778,860.00		1,175,300.00		1,219,934.00

Exhibit B

DRAFT 

HAYWARD CITY COUNCIL

RESOLUTION NO. 05-

Introduced by Council Member _____

RESOLUTION APPROVING ADDENDUM NO. 1, AND
AWARDING CONTRACT TO W.R. FORDE ASSOCIATES
FOR THE WATER MAIN RETROFIT AT HAYWARD FAULT
CROSSINGS ON WALPERT STREET AND PALISADE
STREET PROJECT, PROJECT NO. 7164

WHEREAS, on April 12, 2005, the City Council approved the plans and specifications for the Water Main Retrofit at Hayward Crossings on Walpert Street and Paisade Street Project, Project No. 7164 and called for bids to be received on May 17, 2005; and

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

WHEREAS, on May 17, 2005, four bids were received ranging from \$987,998 to \$1,219,934; W.R. Forde Associates of Richmond submitted the low bid in the amount of \$987,998, which is approximately 27 percent higher than the Engineer's Estimate of \$778,860.

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

BE IT FURTHER RESOLVED that W.R. Forde Associates is hereby awarded the contract for the Water Main Retrofit at Hayward Crossings on Walpert Street and Palisade Street, Project No. 7164, 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.

BE IT FURTHER RESOLVED that the City Manager is hereby authorized and directed to execute the contract with W.R. Forde Associated in the name of and for and on behalf of the City of Hayward, in an amount not to exceed \$987,998, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2005

ADOPTED BY THE FOLLOWING VOTE:

AYES: COUNCIL MEMBERS:

MAYOR:

NOES: COUNCIL MEMBERS:

ABSTAIN: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

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. 05-

Introduced by Council Member _____

RESOLUTION AMENDING RESOLUTION 04-102, AS AMENDED, THE BUDGET RESOLUTION FOR CAPITAL IMPROVEMENT PROJECTS FOR FISCAL YEAR 2004-05, RELATING TO AN APPROPRIATION OF FUNDS FROM THE WATER SYSTEM REPLACEMENT FUND (FUND 623) TO THE Water MAIN RETROFIT AT HAYWARD FAULT CROSSING ON WALPERT STREET AND PALISADE STREET PROJECT, PROJECT NO. 7164

BE IT RESOLVED by the City Council of the City of Hayward that Resolution No. 04-102, as amended, the Budget Resolution for Capital Projects for Fiscal Year 2004-05, is hereby amended by approving an additional appropriation of \$198,000 from the Water System Replacement Fund (Fund 623) to the Water Main Retrofit at Hayward Fault Crossings on Walpert Street and Palisade Street Project, Project No. 7164.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2005

ADOPTED BY THE FOLLOWING VOTE:

AYES: COUNCIL MEMBERS:

MAYOR:

NOES: COUNCIL MEMBERS:

ABSTAIN: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward