



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

AGENDA DATE 03/28/00  
AGENDA ITEM 2  
WORK SESSION ITEM \_\_\_\_\_

**TO:** Mayor and City Council

**FROM:** Director of Public Works

**SUBJECT:** The 24-Inch Aqueduct Relocation at Niles Canyon - Approval of Addendum No. 1, Award of Construction Contract, Authorization for Increase in Additional Professional Services, and Authorization for Additional Appropriation from the Water System Replacement Fund

**RECOMMENDATION:**

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

1. Approving Addendum No. 1, which makes minor revisions to the plans and specifications;
2. Awarding the construction contract to Talus Construction, Inc., in the amount of \$864,389.68;
3. Authorizing an amendment to the original agreement with Harris & Associates to increase the contract amount by \$73,000 for construction inspection; and
4. Authorizing an additional appropriation of \$157,000 from the Water System Replacement Fund for the project.

**BACKGROUND:**

The City of Hayward's water source is the City of San Francisco's Hetch-Hetchy water system. Two aqueducts, referred to as the 24-inch and the 42-inch aqueducts, convey this source of water to Hayward's service area. The 24-inch aqueduct begins at Mission Boulevard in the City of Fremont and travels northwesterly along Mission Boulevard to Hayward. Caltrans, in conjunction with the Alameda County Transportation Authority (ACTA), is proceeding with the design of the Measure B project to widen a portion of Mission Boulevard (State Route 238) in the area of Niles Canyon in Fremont. Mission Boulevard became a state route in 1909, predating the 24-inch aqueduct construction. In accordance with state law, this serves as the basis for ACTA and Caltrans to direct utility relocations, at the utility owner's cost, whenever conflicts occur with roadway alteration. Consequently, the City of Hayward Water System must pay the cost of the necessary relocation work. The portion of the aqueduct being affected begins near Mowry Avenue, then continues north across Alameda Creek to about 500 feet north of Niles

Canyon Railroad. The total distance is approximately 1,900 meters (6,200 feet), of which about one-half will require relocation and/or structural encasement.

Some 250 meters (820 feet) of pipeline to be relocated is presently outside of the existing State rights-of-way (vicinity of two railroad crossings). The City currently owns separate easements in these areas. Thus, ACTA must pay for the portion of the diverted relocation in these areas. The cost of the relocation will be reimbursed to the City based on a standard reimbursement agreement being developed with ACTA staff.

**DISCUSSION:**

Addendum No. 1, containing clarifications to the plans and specifications, was issued primarily to respond to questions raised during the advertisement period.

On February 8, 2000, the City Council approved plans and specifications for the 24-Inch Aqueduct Relocation at Niles Canyon Project, and called for bids to be received on March 14, 2000. Eleven bids were received ranging from \$864,389.68 to \$1,221,705. The low bid, submitted by Talus Construction, Inc. of Castro Valley, is 5% below the engineer's estimate of \$910,000. The combined DBE and WBE goal established for this project was set at 5 percent. The low bidder, Talus Construction, Inc., attained 10 percent DBE/WBE participation. The next two lowest bidders also attained the established DBE/WBE goal.

In the Fremont area, Mission Boulevard experiences extremely heavy traffic during normal business hours. Therefore, construction activities for this project will be restricted to weeknights and weekends in order to minimize interruption in traffic flow. In order to have adequate inspection of this nighttime work, as well as other city projects, it is necessary to contract with the project's design consultants, Harris & Associates, for inspection services. These additional inspection services were not included in the original July 1999 agreement for the project with Harris & Associates. The construction inspection services for weeknights and weekends are estimated to cost \$73,000.

The initial budget in the agreement for professional design services was \$110,000 for this project. Within this budget, \$23,000 was allotted for additional services. The City has authorized nearly all of that money for additional design services and coordination of work. In order to provide for the night and weekend construction inspection services, \$73,000 is being requested. This will increase the total contract amount from \$110,000 to a not-to-exceed amount of \$183,000.

**PROJECT COST:**

Design & Survey	\$110,000.00
Inspection Service	\$73,000.00
Construction (Niles Canyon)	\$864,389.68
Construction at Dry Creek (Completed in 1998)	\$150,000.00
Administration	\$59,000.00
Total:	<u>\$1,256,389.68</u>

**FUNDING:**

A total of \$1,100,000 has been appropriated for this project in the Water System Replacement Fund in the 1999/00 Capital Improvement Program. An additional appropriation of \$157,000 is necessary to complete this project. Sufficient monies are available in the Fund for this purpose. Under the reimbursement agreement with ACTA, the estimated construction cost of \$240,000 for the work outside of the State right-of-way, plus prorated shares of design and construction inspection costs, will be reimbursed to the City after the construction is completed. The reimbursement cost will be returned to the Fund.

**SCHEDULE:**

The following tentative project schedule has been developed for this project:

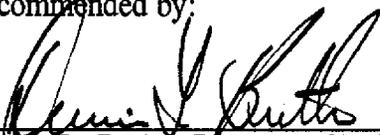
Award Construction Contract	March 28, 2000
Begin Construction	May, 2000
Construction Completion	October, 2000

Prepared by:



Alex Ameri, Deputy Director of Public Works

Recommended by:



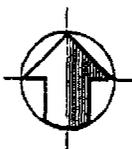
Dennis L. Butler, Director of Public Works

Approved by:



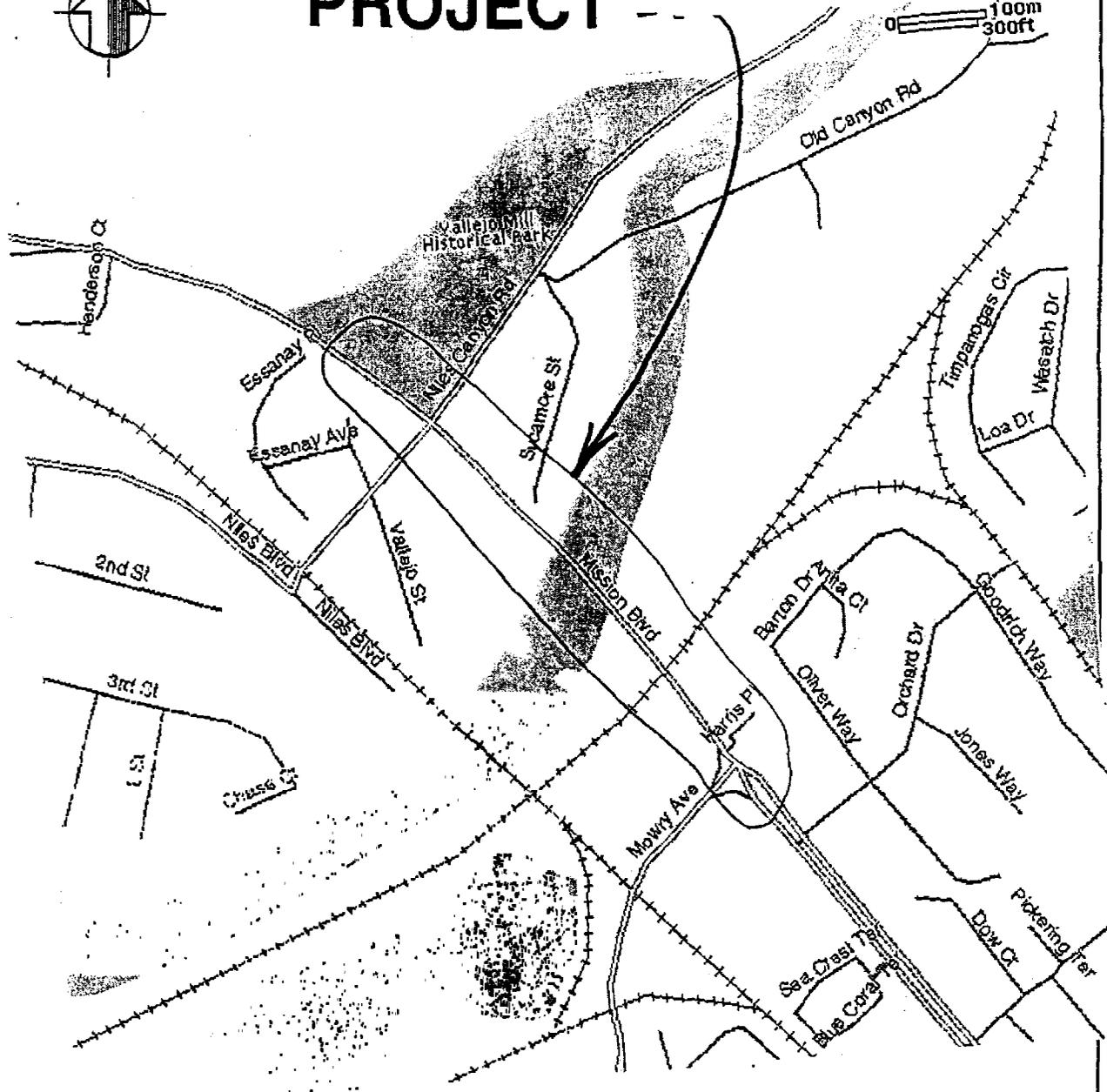
Jesús Armas, City Manager

Attachment: Exhibit A: Project Location Map  
Exhibit B: Bid Summary



# PROJECT

100m  
300ft



PROJECT LOCATION MAP

N.T.S.

THE 24-INCH AQUEDUCT RELOCATION AT NILES CANYON

PROJECT NO. 623-7154

EXHIBIT A

CITY OF HAYWARD  
 24-INCH (600mm) AQUEDUCT RELOCATION @ NILES CANYON  
 PROJECT NO. 7154  
 BIDS OPENED: MARCH 14, 2000

(NUMBER OF BIDS RECEIVED - 11)

BID SUMMARY				ENGINEER'S ESTIMATE		TALUS CONSTRUCTION, INC. 6717 CROW CANYON RD. CASTRO VALLEY CA 94552 (510) 583-0002		BAY PACIFIC PIPELINES, INC. P.O. BOX 1162 NOVATO CA 94948 (415) 897-6958	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	CONSTRUCTION AREA SIGNS	20,000.00	20,000.00	7,500.00	7,500.00	3,000.00	3,000.00
2	1	LS	TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE	50,000.00	50,000.00	61,600.00	61,600.00	10,000.00	10,000.00
3	6	EA	EXPLORATORY EXCAVATION (POTHOLING)	1,000.00	6,000.00	1,043.02	6,258.12	1,000.00	6,000.00
4	0	M	CONSTRUCT 12" (300 mm) DIP WATER MAIN INCLUDING ALL FITTINGS AND VALVES	800.00	0.00	0.00	0.00	0.00	0.00
5	575	M	CONSTRUCT 24" (600 mm) DIP WATER MAIN INCLUDING ALL FITTINGS AND VALVES	1,050.00	603,750.00	1,001.67	575,960.25	800.00	460,000.00
6	3	EA	CONSTRUCT 2" AIR RELIEF VALVE STATION	4,000.00	12,000.00	5,809.94	17,429.82	2,500.00	7,500.00
7	148	M	CONSTRUCT REMOVABLE CONCRETE CAP OVER EXISTING 24" AQUEDUCT	500.00	74,000.00	458.71	67,889.08	1,800.00	266,400.00
8	2	EA	CONSTRUCT BLOW-OFF VALVE ASSEMBLY	9,000.00	18,000.00	15,048.78	30,097.56	5,000.00	10,000.00
9	4	EA	PLUG EXISTING 24" (600 mm) WATER MAIN	500.00	2,000.00	272.59	1,090.36	500.00	2,000.00
10	2	EA	PLUG EXISTING 14" (350 mm) WATER MAIN (REVOCABLE IF NOT REQUIRED)	500.00	1,000.00	351.42	702.84	1,000.00	2,000.00
11	1	LS	CUT & REMOVE 6'-0 (1.83 m) SECTION OF EXISTING ABANDONED 14" (350 mm) STEEL WATER MAIN. (REVOCABLE IF NOT REQUIRED)	500.00	500.00	548.39	548.39	500.00	500.00
12	2	EA	PLUG EXISTING 36" (900 mm) WATER MAIN (REVOCABLE IF NOT REQUIRED)	1,000.00	2,000.00	773.94	1,547.88	1,000.00	2,000.00
13	1	LS	CUT & REMOVE 6'-0 (1.83 M) SECTION OF EXISTING ABANDONED 36" (900 mm) STEEL WATER MAIN. (REVOCABLE IF NOT REQUIRED)	1,000.00	1,000.00	1,250.49	1,250.49	500.00	500.00
14	1	LS	SHORING AND TRENCH SAFETY	40,000.00	40,000.00	12,514.89	12,514.89	19,000.00	19,000.00
15	1	LS	ADMINISTRATIVE CHANGE ORDER	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00
			<b>TOTAL</b>		<b>910,250.00</b>		<b>864,389.68</b>		<b>868,900.00</b>

EXHIBIT B

CITY OF HAYWARD  
 24-INCH (600mm) AQUEDUCT RELOCATION @ NILES CANYON  
 PROJECT NO. 7154  
 BIDS OPENED: MARCH 14, 2000

(NUMBER OF BIDS RECEIVED - 11)

BID SUMMARY				ENGINEER'S ESTIMATE		FERMIN SIERRA CONST, INC. 32203 ALMADEN BLVD. UNION CITY CA 94587 (510) 471-1474		MOUNTAIN CASCADE, INC. P.O. BOX 5050 LIVERMORE CA 94550 (925) 373-8370	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	CONSTRUCTION AREA SIGNS	20,000.00	20,000.00	60,000.00	60,000.00	9,750.00	9,750.00
2	1	LS	TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE	50,000.00	50,000.00	60,000.00	60,000.00	23,925.00	23,925.00
3	6	EA	EXPLORATORY EXCAVATION (POTHOLING)	1,000.00	6,000.00	1,955.00	11,730.00	9,850.00	59,100.00
4	0	M	CONSTRUCT 12" (300 mm) DIP WATER MAIN INCLUDING ALL FITTINGS AND VALVES	800.00	0.00	0.00	0.00	0.00	0.00
5	575	M	CONSTRUCT 24" (600 mm) DIP WATER MAIN INCLUDING ALL FITTINGS AND VALVES	1,050.00	603,750.00	805.00	462,875.00	1,034.00	594,550.00 *
6	3	EA	CONSTRUCT 2" AIR RELIEF VALVE STATION	4,000.00	12,000.00	4,500.00	13,500.00	3,520.00	10,560.00
7	148	M	CONSTRUCT REMOVABLE CONCRETE CAP OVER EXISTING 24" AQUEDUCT	500.00	74,000.00	700.00	103,600.00	612.00	90,576.00
8	2	EA	CONSTRUCT BLOW-OFF VALVE ASSEMBLY	9,000.00	18,000.00	14,500.00	29,000.00	9,300.00	18,600.00
9	4	EA	PLUG EXISTING 24" (600 mm) WATER MAIN	500.00	2,000.00	500.00	2,000.00	125.00	500.00
10	2	EA	PLUG EXISTING 14" (350 mm) WATER MAIN (REVOCABLE IF NOT REQUIRED)	500.00	1,000.00	350.00	700.00	75.00	150.00
11	1	LS	CUT & REMOVE 6'-0 (1.83 m) SECTION OF EXISTING ABANDONED 14" (350 mm) STEEL WATER MAIN. (REVOCABLE IF NOT REQUIRED)	500.00	500.00	500.00	500.00	400.00	400.00
12	2	EA	PLUG EXISTING 36" (900 mm) WATER MAIN (REVOCABLE IF NOT REQUIRED)	1,000.00	2,000.00	600.00	1,200.00	200.00	400.00
13	1	LS	CUT & REMOVE 6'-0 (1.83 M) SECTION OF EXISTING ABANDONED 36" (900 mm) STEEL WATER MAIN. (REVOCABLE IF NOT REQUIRED)	1,000.00	1,000.00	780.00	780.00	800.00	800.00
14	1	LS	SHORING AND TRENCH SAFETY	40,000.00	40,000.00	60,000.00	60,000.00	18,000.00	18,000.00
15	1	LS	ADMINISTRATIVE CHANGE ORDER	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00
			<b>TOTAL</b>		<b>910,250.00</b>		<b>885,885.00</b>		<b>907,311.00 *</b>

EXHIBIT B

CITY OF HAYWARD  
 24-INCH (600mm) AQUEDUCT RELOCATION @ NILES CANYON  
 PROJECT NO. 7154  
 BIDS OPENED: MARCH 14, 2000

(NUMBER OF BIDS RECEIVED - 11)

BID SUMMARY				ENGINEER'S ESTIMATE		VALLEY ENGINEERS, INC. P.O. BOX 12227 FRESNO CA 93777 (559) 237-9173		D.E. BIANCHINI, INC. P.O. BOX 2204 SAN RAMON CA 94583 (925) 831-0400	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	CONSTRUCTION AREA SIGNS	20,000.00	20,000.00	26,000.00	26,000.00	12,000.00	12,000.00
2	1	LS	TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE	50,000.00	50,000.00	45,000.00	45,000.00	12,000.00	12,000.00
3	6	EA	EXPLORATORY EXCAVATION (POTHOLING)	1,000.00	6,000.00	1,000.00	6,000.00	600.00	3,600.00
4	0	M	CONSTRUCT 12" (300 mm) DIP WATER MAIN INCLUDING ALL FITTINGS AND VALVES	800.00	0.00	0.00	0.00	0.00	0.00
5	575	M	CONSTRUCT 24" (600 mm) DIP WATER MAIN INCLUDING ALL FITTINGS AND VALVES	1,050.00	603,750.00	1,100.00	632,500.00	1,235.00	710,125.00
6	3	EA	CONSTRUCT 2" AIR RELIEF VALVE STATION	4,000.00	12,000.00	2,000.00	6,000.00	5,500.00	16,500.00
7	148	M	CONSTRUCT REMOVABLE CONCRETE CAP OVER EXISTING 24" AQUEDUCT	500.00	74,000.00	550.00	81,400.00	622.00	92,056.00
8	2	EA	CONSTRUCT BLOW-OFF VALVE ASSEMBLY	9,000.00	18,000.00	31,000.00	62,000.00	19,500.00	39,000.00
9	4	EA	PLUG EXISTING 24" (600 mm) WATER MAIN	500.00	2,000.00	150.00	600.00	200.00	800.00
10	2	EA	PLUG EXISTING 14" (350 mm) WATER MAIN (REVOCABLE IF NOT REQUIRED)	500.00	1,000.00	150.00	300.00	100.00	200.00
11	1	LS	CUT & REMOVE 6'-0 (1.83 m) SECTION OF EXISTING ABANDONED 14" (350 mm) STEEL WATER MAIN. (REVOCABLE IF NOT REQUIRED)	500.00	500.00	600.00	600.00	500.00	500.00
12	2	EA	PLUG EXISTING 36" (900 mm) WATER MAIN (REVOCABLE IF NOT REQUIRED)	1,000.00	2,000.00	350.00	700.00	500.00	1,000.00
13	1	LS	CUT & REMOVE 6'-0 (1.83 M) SECTION OF EXISTING ABANDONED 36" (900 mm) STEEL WATER MAIN. (REVOCABLE IF NOT REQUIRED)	1,000.00	1,000.00	1,200.00	1,200.00	2,000.00	2,000.00
14	1	LS	SHORING AND TRENCH SAFETY	40,000.00	40,000.00	14,000.00	14,000.00	5,000.00	5,000.00
15	1	LS	ADMINISTRATIVE CHANGE ORDER	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00
			<b>TOTAL</b>		<b>910,250.00</b>		<b>956,300.00</b>		<b>974,781.00</b>

EXHIBIT B

CITY OF HAYWARD  
 24-INCH (600mm) AQUEDUCT RELOCATION @ NILES CANYON  
 PROJECT NO. 7154  
 BIDS OPENED: MARCH 14, 2000

(NUMBER OF BIDS RECEIVED - 11)

BID SUMMARY				ENGINEER'S ESTIMATE		HORIZON CONST. COMPANY P.O. BOX 159 CLAYTON CA 94517 (925) 372-3606	MAULDIN-DORFMEIER CONST INC. 3240 N. MILLBROOK FRESNO CA 93726 (559) 252-4600		
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	CONSTRUCTION AREA SIGNS	20,000.00	20,000.00	5,000.00	5,000.00	8,500.00	8,500.00
2	1	LS	TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE	50,000.00	50,000.00	10,000.00	10,000.00	40,000.00	40,000.00
3	6	EA	EXPLORATORY EXCAVATION (POTHOLING)	1,000.00	6,000.00	1,000.00	6,000.00	600.00	3,600.00
4	0	M	CONSTRUCT 12" (300 mm) DIP WATER MAIN INCLUDING ALL FITTINGS AND VALVES	800.00	0.00	0.00	0.00	0.00	0.00
5	575	M	CONSTRUCT 24" (600 mm) DIP WATER MAIN INCLUDING ALL FITTINGS AND VALVES	1,050.00	603,750.00	1,296.00	745,200.00	1,280.00	736,000.00
6	3	EA	CONSTRUCT 2" AIR RELIEF VALVE STATION	4,000.00	12,000.00	2,500.00	7,500.00	4,000.00	12,000.00
7	148	M	CONSTRUCT REMOVABLE CONCRETE CAP OVER EXISTING 24" AQUEDUCT	500.00	74,000.00	700.00	103,600.00	450.00	66,600.00
8	2	EA	CONSTRUCT BLOW-OFF VALVE ASSEMBLY	9,000.00	18,000.00	15,000.00	30,000.00	15,600.00	31,200.00
9	4	EA	PLUG EXISTING 24" (600 mm) WATER MAIN	500.00	2,000.00	200.00	800.00	100.00	400.00
10	2	EA	PLUG EXISTING 14" (350 mm) WATER MAIN (REVOCABLE IF NOT REQUIRED)	500.00	1,000.00	150.00	300.00	50.00	100.00
11	1	LS	CUT & REMOVE 6'-0 (1.83 m) SECTION OF EXISTING ABANDONED 14" (350 mm) STEEL WATER MAIN. (REVOCABLE IF NOT REQUIRED)	500.00	500.00	200.00	200.00	150.00	150.00
12	2	EA	PLUG EXISTING 36" (900 mm) WATER MAIN (REVOCABLE IF NOT REQUIRED)	1,000.00	2,000.00	300.00	600.00	75.00	150.00
13	1	LS	CUT & REMOVE 6'-0 (1.83 M) SECTION OF EXISTING ABANDONED 36" (900 mm) STEEL WATER MAIN. (REVOCABLE IF NOT REQUIRED)	1,000.00	1,000.00	300.00	300.00	300.00	300.00
14	1	LS	SHORING AND TRENCH SAFETY	40,000.00	40,000.00	10,000.00	10,000.00	40,000.00	40,000.00
15	1	LS	ADMINISTRATIVE CHANGE ORDER	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00
			<b>TOTAL</b>		<b>910,250.00</b>		<b>999,500.00</b>		<b>1,019,000.00</b>

EXHIBIT B

CITY OF HAYWARD  
 24-INCH (600mm) AQUEDUCT RELOCATION @ NILES CANYON  
 PROJECT NO. 7154  
 BIDS OPENED: MARCH 14, 2000

(NUMBER OF BIDS RECEIVED - 11)

BID SUMMARY				ENGINEER'S ESTIMATE		McGUIRE AND HESTER 9009 RAILROAD AVENUE OAKLAND CA 94603 (510) 632-7676		D & D PIPELINES PMB 408, 336 BON AIR CTR GREENBRAE CA 94904 (415) 457-5941	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	CONSTRUCTION AREA SIGNS	20,000.00	20,000.00	8,000.00	8,000.00	10,000.00	10,000.00
2	1	LS	TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE	50,000.00	50,000.00	30,000.00	30,000.00	30,000.00	30,000.00
3	6	EA	EXPLORATORY EXCAVATION (POTHOLING)	1,000.00	6,000.00	2,500.00	15,000.00	3,000.00	18,000.00
4	0	M	CONSTRUCT 12" (300 mm) DIP WATER MAIN INCLUDING ALL FITTINGS AND VALVES	800.00	0.00	0.00	0.00	0.00	0.00
5	575	M	CONSTRUCT 24" (600 mm) DIP WATER MAIN INCLUDING ALL FITTINGS AND VALVES	1,050.00	603,750.00	1,325.00	761,875.00	1,350.00	776,250.00
6	3	EA	CONSTRUCT 2" AIR RELIEF VALVE STATION	4,000.00	12,000.00	6,000.00	18,000.00	4,000.00	12,000.00
7	148	M	CONSTRUCT REMOVABLE CONCRETE CAP OVER EXISTING 24" AQUEDUCT	500.00	74,000.00	700.00	103,600.00	750.00	111,000.00
8	2	EA	CONSTRUCT BLOW-OFF VALVE ASSEMBLY	9,000.00	18,000.00	20,000.00	40,000.00	7,000.00	14,000.00
9	4	EA	PLUG EXISTING 24" (600 mm) WATER MAIN	500.00	2,000.00	750.00	3,000.00	2,000.00	8,000.00
10	2	EA	PLUG EXISTING 14" (350 mm) WATER MAIN (REVOCABLE IF NOT REQUIRED)	500.00	1,000.00	250.00	500.00	2,000.00	4,000.00
11	1	LS	CUT & REMOVE 6'-0 (1.83 m) SECTION OF EXISTING ABANDONED 14" (350 mm) STEEL WATER MAIN. (REVOCABLE IF NOT REQUIRED)	500.00	500.00	500.00	500.00	3,000.00	3,000.00
12	2	EA	PLUG EXISTING 36" (900 mm) WATER MAIN (REVOCABLE IF NOT REQUIRED)	1,000.00	2,000.00	250.00	500.00	3,000.00	6,000.00
13	1	LS	CUT & REMOVE 6'-0 (1.83 M) SECTION OF EXISTING ABANDONED 36" (900 mm) STEEL WATER MAIN. (REVOCABLE IF NOT REQUIRED)	1,000.00	1,000.00	1,000.00	1,000.00	6,000.00	6,000.00
14	1	LS	SHORING AND TRENCH SAFETY	40,000.00	40,000.00	10,000.00	10,000.00	50,000.00	50,000.00
15	1	LS	ADMINISTRATIVE CHANGE ORDER	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00
			<b>TOTAL</b>		<b>910,250.00</b>		<b>1,071,975.00</b>		<b>1,128,250.00</b>

EXHIBIT B

CITY OF HAYWARD  
 24-INCH (600mm) AQUEDUCT RELOCATION @ NILES CANYON  
 PROJECT NO. 7154  
 BIDS OPENED: MARCH 14, 2000

(NUMBER OF BIDS RECEIVED - 11)

BID SUMMARY				ENGINEER'S ESTIMATE		CALIFORNIA TRENCHLESS, INC 95 LINDEN STREET #4 OAKLAND CA 94607 (510) 834-7473	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	CONSTRUCTION AREA SIGNS	20,000.00	20,000.00	11,000.00	11,000.00
2	1	LS	TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE	50,000.00	50,000.00	25,000.00	25,000.00
3	6	EA	EXPLORATORY EXCAVATION (POTHOLING)	1,000.00	6,000.00	2,000.00	12,000.00
4	0	M	CONSTRUCT 12" (300 mm) DIP WATER MAIN INCLUDING ALL FITTINGS AND VALVES	800.00	0.00	0.00	0.00
5	575	M	CONSTRUCT 24" (600 mm) DIP WATER MAIN INCLUDING ALL FITTINGS AND VALVES	1,050.00	603,750.00	1,375.00	790,625.00
6	3	EA	CONSTRUCT 2" AIR RELIEF VALVE STATION	4,000.00	12,000.00	7,000.00	21,000.00
7	148	M	CONSTRUCT REMOVABLE CONCRETE CAP OVER EXISTING 24" AQUEDUCT	500.00	74,000.00	1,135.00	167,980.00
8	2	EA	CONSTRUCT BLOW-OFF VALVE ASSEMBLY	9,000.00	18,000.00	35,000.00	70,000.00
9	4	EA	PLUG EXISTING 24" (600 mm) WATER MAIN	500.00	2,000.00	1,200.00	4,800.00
10	2	EA	PLUG EXISTING 14" (350 mm) WATER MAIN (REVOCABLE IF NOT REQUIRED)	500.00	1,000.00	1,100.00	2,200.00
11	1	LS	CUT & REMOVE 6'-0 (1.83 m) SECTION OF EXISTING ABANDONED 14" (350 mm) STEEL WATER MAIN. (REVOCABLE IF NOT REQUIRED)	500.00	500.00	6,000.00	6,000.00
12	2	EA	PLUG EXISTING 36" (900 mm) WATER MAIN (REVOCABLE IF NOT REQUIRED)	1,000.00	2,000.00	1,800.00	3,600.00
13	1	LS	CUT & REMOVE 6'-0 (1.83 M) SECTION OF EXISTING ABANDONED 36" (900 mm) STEEL WATER MAIN. (REVOCABLE IF NOT REQUIRED)	1,000.00	1,000.00	7,500.00	7,500.00
14	1	LS	SHORING AND TRENCH SAFETY	40,000.00	40,000.00	20,000.00	20,000.00
15	1	LS	ADMINISTRATIVE CHANGE ORDER	80,000.00	80,000.00	80,000.00	80,000.00
			<b>TOTAL</b>		<b>910,250.00</b>		<b>1,221,705.00</b>

EXHIBIT B

**DRAFT**

DM 3-20-00

HAYWARD CITY COUNCIL

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

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

**RESOLUTION APPROVING ADDENDUM NO. 1,  
AUTHORIZING AN AMENDMENT TO THE ORIGINAL  
AGREEMENT WITH HARRIS & ASSOCIATES FOR THE 24-  
INCH AQUEDUCT RELOCATION AT NILES CANYON  
PROJECT, PROJECT NO. 7154, AND AWARDING  
CONTRACT TO TALUS CONSTRUCTION, INC.**

WHEREAS, on February 8, 2000, the City Council approved the plans and specifications for the 24-inch Aqueduct Relocation at Niles Canyon Project, Project No. 7154, ("Project") and called for bids to be received on March 14, 2000; and

WHEREAS, Addendum No. 1 was prepared to respond to questions about the Project's plans and specifications raised during the advertisement period; and

WHEREAS, due to extremely heavy traffic flow during normal business hours, construction activities will need to be limited to week nights and weekends. Additional inspection services will be required for this nighttime work, necessitating amendment of the contract, with the project's design consultants, Harris & Associates for additional services at an estimated cost of \$73,000, that was not included in the original July 1999, agreement.

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 Talus Construction, Inc., is hereby awarded the contract for the 24-inch Aqueduct Relocation at Niles Canyon Project, Project No. 7154, 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 \$864,389.68, 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 an agreement with Talus Construction, Inc., on behalf of the City of Hayward, for the 24-inch Aqueduct Relocation Project, Project No. 7154, in an amount not to exceed \$864,389.68, in a form to be approved by the City Attorney.

BE IT FURTHER RESOLVED that the City Council of the City of Hayward hereby authorizes the City Manager to execute an amendment to the original agreement with

Harris and Associates to increase the contract amount by \$73,000 for additional construction inspection services.

IN COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 2000

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**

dm 3-20-00

HAYWARD CITY COUNCIL

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

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

RESOLUTION AMENDING RESOLUTION 99-110, AS AMENDED, THE BUDGET RESOLUTION FOR CAPITAL PROJECTS FOR FISCAL YEAR 1999-2000, RELATING TO AN APPROPRIATION OF FUNDS FOR THE 24-INCH AQUEDUCT RELOCATION AT NILES CANYON PROJECT, PROJECT NO. 7154

BE IT RESOLVED by the City Council of the City of Hayward that Resolution No. 99-110, as amended, the Budget Resolution for Capital Projects for fiscal year 1999-2000, is hereby amended by approving an appropriation of \$157,000 from the Water System Replacement Fund, Fund 623, for the 24-inch Aqueduct Relocation at Niles Canyon Project, Project No. 7154.

IN COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 2000

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