RESOLUTION NO. 377

A RESOLUTION APPROVING THE BIDS; ACCEPTING THE LOW QUALIFIED BID; AND APPROVING THE PURCHASE FOR THE TRANSMITTER/ ENCODER DISPLAY DECODER AND PRINTER

WHEREAS, the City staff has prepared a report on the above captioned subject which is attached hereto as Exhibit "A"; and

WHEREAS, the City Council has duly considered the subject and the recommendation(s) contained in the staff report; and

WHEREAS, interested parties, if any, have had an opportunity to be heard on the subject.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Wilsonville does hereby adopt the staff report attached hereto as Exhibit "A", with the recommendation(s) contained therein and further instructs that action appropriate to the recommendation(s) be taken.

ADOPTED by the City Council of the City of Wilsonville at a regular meeting thereof this 6th day of February, 1984, and filed with the Wilsonville City Recorder this same day.

William G. Lowrie

WILLIAM G. LOWRIE, Mayor

ATTEST:

Deanna J. Thom

DEANNA J. THOM, City Recorder

CITY OF WILSONVILLE

MEMO

January 31, 1984
DATE

Council Meeting 2/6/84
Agenda Category Legal
Business

TO: MAYOR AND CITY COUNCIL

FROM: LARRY R. BLANCHARD, PUBLIC WORKS DIRECTOR

SUBJECT: TRANSMITTER/ENCODER DISPLAY DECODER PRINTER

On November 7, 1983, at a regularly scheduled meeting of the City Council, commencing at 7:30 o'clock p.m. in the Wesleyan Church, 29775 SW Town Center Loop East, the City Council rejected the recommendation of Larry R. Blanchard, Public Works Director, from the memorandum titled "Radio Alarm System - Sanitary Sewer Pumping Stations". The City Council felt that the equipment should be advertised for bids, due to the estimated cost of $9,941. Bids were not taken on the equipment orginially, in order to reduce the costs spent in the advertising process, normally $750 to $1000. It was determined that the supplier of the above mentioned equipment would be the only bidder and, therefore, staff recommended direct purchasing.

The equipment as mentioned above, was advertised in the Wilsonville Times and the Daily Journal of Commerce. Bids were received prior to 2:00 p.m., January 31, 1984 at the City Hall. Bids were promptly opened after 2:00 p.m. on January 31, 1984 and are listed in the attached "Bidders Results Form". The apparent low qualified bidder is Point to Point Communications of 1515 SE River Road, Hillsboro, Oregon, which is the vendor for Plectron Communications Systems Transmitter/Encoder Display Decoder Printer Equipment as specified by the City. A re-explanation of the necessity of the above mentioned equipment can be examined in the attached copy of the memo mentioned in paragraph one above.

RECOMMENDATIONS

1. Approve the low qualified bid for the Transmitter/Encoder Display Decoder Printer to Point to Point Communications

EXHIBIT "A"

for the total cost as required in the specifications of $12,581.

2. Authorize the purchase of the above equipment from Account No. 02-50-72210.

cc: 4-5(g)

lrb:vr

4-5(g)

CITY OF WILSONVILLE

MEMO

November 3, 1983
DATE

Council Mtg: 11-7-83
Agenda Item: Continuing Business

TO: Mayor and City Council

FROM: Larry R. Blanchard
Public Works Director L.R.B.

SUBJECT: Radio Alarm System - Sanitary Sewer Pumping Stations

The City of Wilsonville in its design for the River Village Pump Station optioned to install a radio transmitted alarm system instead of the normal buzzer light alarm system that is presently at the City's 3 other pump stations. The supplier we chose due to their flexibility and experience in the field of radio alarm systems was the Plectron Corporation (material attached).

The City has three (3) sewage pumping stations in full operation, those are:

1. Charbonneau Sewage Pump Station
2. Boeckman Creek Sewage Pump Station
3. Parkway Avenue Sewage Pump Station

Within the next year the City will have two additional pump stations on line, they are:

1. River Village Sewage Pump Station
2. Fox Chase Sewage Pump Station (Formerly Willamette Village)

Whenever one of these pumping systems fail for whatever reason a buzzer/flashing red light goes off. If someone happens to be in the vicinity the repair is made, however if no one is able to respond to the signal the potential is present for a sewage spill into a creek or residential area. This would be sufficient enough problem to receive a fine from the Department of Environmental Quality.

The Plectron Corporation TEDD System allows 24 hour coverage of the pumping station, the system function in the following manner.

1. A radio transmitter is installed at the pumping unit, each transmitter sends 7 separate signals.

2. The separate signals monitored are:

   a. Pump 1 or 2 fail to call
   b. Pump 1 or 2 fail to operate
   c. Pump 1 or 2 fail to shut off
   d. Pump station electrical disconnect warning

e. Low water level warning - so your pumps won't burn up
f. High water level warning - so you will not have a sewage spill
g. Intrusion warning - anyone breaking into the pumping station without key access would set off an alarm

3. When one or more of the alarms go off the transmitter will register both alarms but will select the most severe on its main display.

4. A receiver is installed at the sewage treatment plant. The receiver can pick up as many as 999 stations and can decode each of the sewer warnings signals mentioned in 2 above.

5. The coded message can be intercepted at the plant by plant staff on duty. If the plant staff is off duty then the message is sent to the Treatment Plant Automatic Dialer system which will call all operators and if no one is home the last number called is 911. The TRFPD will then page on call emergency crews.

6. The printer automatically types out the time, type, and response of all sewage lift station emergency.

As the City's population increases the time intervals for emergency shut down repairs of pumping stations will decrease. The necessity for immediate responses will increase, and this system provides instant warning and continual coverage.

Funds for this system were already provided in the cost for the River Village Pumping Station Account 02-50 72210. Total cost of the system is $9,941 which includes 3 hours of install time. Components come pre-assembled for our system and do not take large amounts of time to install.

Recommendation

1. Approve the installation of the Plectron Corporation TEDD Radio Alarm System for the River Village Pump Station - Charbonneau Pump Station - Boeckman Creek Pump Station and Parkway Pump Station.

2. Authorize the purchase of the TEDD system from Account No. 02-50 72210 for the total cost of $9,941.

LRB:ks

cc:
Finance
4-5(g)
River Village P.S. File

BID SPECIFICATIONS

TRANSMITTER/ENCODER, DISPLAY DECODER, PRINTER

BID ITEMS

Item No.	Quantity	Description	Price Each	Total
1.	1	DISPLAY DECODER		
		Frequency - Highband to match City Radio Frequency		
		Cabinet - Minimum .093"painted Aluminum, City's preference Slide in inner Chassis		
		Dimensions - Minimum 4" high X 14" Wide X 11" deep		
		Weight - Minimum 14 lbs		
		Voltage - 117 VAC 12 VDC		
		Sensitivity - EIA 12 db Sinad-High .35 uv		
		Audio Output - 1 watt AC .8 watt DC		
		Selectivity - 6 db Max $\pm$ 6 KH_2 60 db Min $\pm$ 30 KH_2		
		Signaling - Dual Tone Multiple Frequency		
		Frequency Stability - .0025% -30^0 to $+60^0$		
		Alarm Storage - Min 19 Multiple Alarms		
		Readout - Touch Recall, Digital LED	_____	_____
	1	ANTENNA - O.M.N.I. Lead-in, Masting	_____	_____
	1	RELAY - Self setting, external or internal relay	_____	_____
2.	4	TRANSMITTER/ENCODER		
		Frequency - (154.980) 132-174 MHZ		
		Power - 4.0 Watts		
		Display Function - 8		
		Display Sites - 999		
		Signaling - 9 times REPEAT (Dual Tone Multiple Frequency)		

Item No.	Quantity	Description	Price Each	Total
		Cabinet - Minimum 18 gauge Zinc Coated Steel. Weather resistant waterproof with removable inner Chassis. Min. 10½" wide X 14" high X 4" deep. Weight - Min: 10 lbs Frequency Stability - Highband - .0050% -30°C to 60°C	_____	_____
	4	Bottom Mount Antenna Fittings	_____	_____
	4	Power-Fail Low Battery Option	_____	_____
	4	Tamper S.W..Alarm	_____	_____
	4	3-Element Directional Antenna w/Coax	_____	_____
	4	Wood Pole Clamps	_____	_____
3.	1	PRINTER Microprocessor Interface w/Cables Time Date entry switches Printer Format: 5 X 7 dot matrix Print Spacing: 10 characters per inch Print Speed: 45 characters per second typed Print Feed: Tractor Feed Standard Paper Required: 9½" wide computer for fold continuous Power Required: 120 volts AC 50-60 HZ at lamp	_____	_____
4.	Lump Sum	Supply Logistical support to the City's Electrical Contractor	_____	_____

TOTAL BID: _____

NAME OF COMPANY: _____

Representative: _____
Name Title

BID BOND ATTACHED YES NO _____
Explanation

BOND COMPANY: _____ AMOUNT: _____

WARRANTY PERIOD FOR EQUIPMENT AND INSTALLATION: _____

I, _____ the _____
Name Title

for _____, do hereby agree to provide the equipment
Company

as specified above for the total cost mentioned above.

Signature: _____

Title: _____

Subscribed and sworn or affirmed before me this _____ day of _____, 198__.

_____
Notary Public

My Commission Expires: _____

BID SPECIFICATIONS

TRANSMITTER/ENCODER, DISPLAY DECODER, PRINTER

BID ITEMS

Item No.	Quantity	Description	Price Each	Total
1.	1	DISPLAY DECODER Frequency - Highband to match City Radio Frequency Cabinet - Minimum .093"painted Aluminum, City's preference Slide in inner Chassis Dimensions - Minimum 4" high X 14" Wide X 11" deep Weight - Minimum 14 lbs Voltage - 117 VAC 12 VDC Sensitivity - EIA 12 db Sinad-High .35 uv Audio Output - 1 watt AC .8 watt DC Selectivity - 6 db Max $\pm$ 6 KH_2 60 db Min $\pm$ 30 KH_2 Signaling - Dual Tone Multiple Frequency Frequency Stability - .0025% -30^0 to $+60^0$ Alarm Storage - Min 99 Multiple Alarms Readout - Touch Recall, Digital LED	_____	2750.00
	1	ANTENNA - O.M.N.I. Lead-in, Masting	_____	165.00
	1	RELAY - Self setting, external or internal relay	_____	100.00
2.	4	TRANSMITTER/ENCODER Frequency - (154.980) 132-174 MH2 Power - 4.0 Watts Display Function - 8 Display Sites - 999 Signaling - 9 times REPEAT (Dual Tone Multiple Frequency)		

Item No.	Quantity	Description	Price Each	Total
		Cabinet - Minimum 18 gauge Zinc Coated Steel. Weather resistant waterproof with removable inner Chassis. Min. 10½" wide X 14" high X 4" deep.		
		Weight - Min. 10 lbs		
		Frequency Stability - Highband - .0050% -30°C to 60°C	1300.00	5200.00
	4	Bottom Mount Antenna Fittings	25.00	100.00
	4	Power-Fail Low Battery Option	25.00	100.00
	4	Tamper S.W. Alarm	20.00	100.00
	4	3-Element Directional Antenna w/Coax	160.00	640.00
	4	Wood Pole Clamps	44.00	176.00
3.	1	PRINTER		
		Microprocessor Interface w/Cables Time Date entry switches		
		Printer Format: 5 X 7 dot matrix		
		Print Spacing: 10 characters per inch		
		Print Speed: 45 characters per second typed		
		Print Feed: Tractor Feed Standard		
		Paper Required: 9½" wide computer for fold continuous		
		Power Required: 120 volts AC 50-60 H2 at lamp	3000.00	3000.00
4.	Lump Sum	Supply Logistical support to the City's Electrical Contractor	250.00	250.00
		TOTAL BID:		12,581.00

10 of 12

NAME OF COMPANY: Point-To-Point Communications

Representative: David L. Robinson Owner.
Name Title

BID BOND ATTACHED YES NO
Explanation

BOND COMPANY: AMOUNT:

WARRANTY PERIOD FOR EQUIPMENT AND INSTALLATION: one year from date of installation

I, David L. Robinson the Owner of
Name Title

for Point-To-Point Communications, do hereby agree to provide the equipment
Company

as specified above for the total cost mentioned above.

Signature: David L. Robinson

Title: Owner

Subscribed and sworn or affirmed before me this 30th day of January, 1984.

Notary Public

My Commission Expires: 1-18-86

PROMPT PROFESSIONAL SERVICE

Point-To-Point Communications

~~1515 SOUTHEAST RIVER ROAD~~ HILLSBORO, OREGON 97123 - PHONE 648-8405

LARRY.

HERE IS THE BID. THERE HAVE BEEN SOME MAJOR INTERNAL CHANGES TO THE CENTRAL STATION WHICH HAVE RESULTED IN MUCH IMPROVED PERFORMANCE AND EXPANDABILITY. CONSEQUENTLY THE PRICING HAS SUFFERED ACCORDINGLY. HOPE WE'RE NOT TOO FAR OUT OF THE BALL PARK. CALL IF QUESTIONS.

TIME WAS SHORT SO HAND DELIVERED.

Dave Adams