

**BACKGROUND INFORMATION:**

The Waste Water Collection Section and Fleet and Facility Management Divisions have a requirement to replace two (2) existing video sewer inspection systems with new units and to purchase one (1) additional unit for the Combined Sewer System Improvement Plan. The units must meet increased performance demands, comply with Waste Water Collection requirements, and meet new Federal Safety Standards.

Division staff have field tested the only three (3) known closed circuit video sewer inspection systems for evaluation in the City work environment. All three (3) inspection systems were tested under identical conditions in the same location. Results indicate that the Pearpoint system was superior in performance and accomplishing unique tasking requirements. It also meets Waste Water Collection requirements and complies with new Federal Safety Standards. The other tested systems do not meet the new Federal Safety Standards and require confined space entry permits for 21-inch and larger diameter pipe. The attached memoranda from the Fleet Management Superintendent (Attachment #1) and Field Services Superintendent (Attachment #2) summarize their analyses and recommendations.

The purchase of the Pearpoint closed circuit video sewer inspection trucks will enable the Waste Water Collection Section to comply with Federal Safety Standards CFR 1910 Final Rule of 1993 for sewers. This purchase will also provide sewer inspection enhancements (not available for current City sewer inspection systems) which will increase daily survey footage filmed and will help to reduce the current City sewer inspection backlog.

**FINANCIAL CONSIDERATIONS:**

The total cost for three (3) closed circuit video sewer inspection trucks, including sales tax, is \$624,325.00. Funds for this equipment are appropriated from Fleet and Facility Management fiscal year 1995/96 replacement equipment budget line 420-310-3159-4631 and 414-330-3342-4632 for upgrading replacement equipment. The third unit is funded as authorized in City Council Resolution No. 95-687. Sufficient funds are available in budget line 414-500-XD41-4632 for fiscal year 1995/96.

**ENVIRONMENTAL CONSIDERATIONS:**

Ongoing administrative and maintenance activities, such as purchase of supplies, equipment or materials which are not made for purpose of a public works construction project, do not constitute a "project" and are exempt from the California Environmental Quality Act (CEQA). CEQA Guidelines, Sections 1506(b)(1), 15378(b)(3).

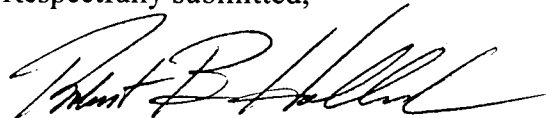
**POLICY CONSIDERATIONS:**

This recommendation is in accordance with the provisions of City Code Section 57.04.401(c), which authorizes suspension of formal competitive bidding upon a two-thirds vote of the City Council.

**MBE/WBE EFFORTS:**

No minority-owned or women-owned business enterprises were known or could be located that provide this specialty type equipment.

Respectfully submitted,



Robert B. Holbrook  
Procurement Services Manager

**RECOMMENDATION APPROVED:**

William H. Edgar  
City Manager

3 Attachments

**RESOLUTION NO.**

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF \_\_\_\_\_

A RESOLUTION SUSPENDING FORMAL COMPETITIVE BIDDING FOR THE  
PURCHASE OF CLOSED CIRCUIT VIDEO SEWER INSPECTION TRUCKS

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO THAT:

1. In the best interest of the City of Sacramento, formal competitive bidding is hereby suspended for the purchase of three (3) closed circuit video sewer inspection trucks for the Waste Water Collection Section of the Field Services Division of the Utilities Department.
2. The City Manager is hereby authorized to issue the necessary purchase order to Pearpoint In., 72055 Corporate Way, Thousand Palms, CA 92276, in a total amount not to exceed \$624,325.00.

\_\_\_\_\_  
MAYOR

ATTEST:

\_\_\_\_\_  
CITY CLERK

\_\_\_\_\_  
FOR CITY CLERK USE ONLY

RESOLUTION NO: \_\_\_\_\_  
DATE ADOPTED: \_\_\_\_\_



DEPARTMENT OF  
UTILITIES

FIELD SERVICES

CITY OF SACRAMENTO  
CALIFORNIA

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SACRAMENTO, CA  
95822-3604

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October 16, 1995

To: Bob Summerset, Assistant Fleet Manager  
From: Farrell Crawford, Utilities Department  
Subject: Request for Sole Source and Sole Product

#### SUMMARY AND STAFF RECOMMENDATION

The Wastewater Division, requests authorization to suspend formal bidding for the purchase of two (2) closed circuit television sewer inspection vehicles for the purpose of surveying city sewers.

#### CURRENT SITUATION

Existing equipment is not capable of handling the current work load because of antiquation in design and excessive down-time.

1. Current work orders for Sanitary - 350.
2. Current work orders for Combination System - 206.
3. Current equipment does not meet the Federal Safety Standards for CFR 1910 final rule for sewers. Thus potentially promoting hazards for public safety and City employees
4. Current equipment requires a confined space entry permit when performing inspections in 21" diameter pipe and larger, which requires an additional crew and vehicle.
4. Current equipment has to date cost the City of Sacramento in excess of 10% per year in repairs not including shipping charges.
5. Current Vendor does not offer upgrades for compliance with Federal Standards.

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(9)

## EVALUATION OF SYSTEMS

The sewer division has evaluated three vendors over the past 12 (twelve) months. Specific pipe diameters and locations were chosen for field testing to insure the worst possible scenario. All vendors were requested to supply Certified Class 1 Division 1 Gas Group D Temperature T3 Rated Explosion Proof Equipment to insure safety for City employees and public safety. (CFR1910 Final Rule of 1993 Department of Labor). Note: All three vendors were tested equally in the field at the same locations.

1. Cues Inc.
2. Sreco Flexible Systems
3. Pearpoint Inc.

### Vendor # 1

- A. Is the manufacturer of our existing equipment and does not meet the criteria for Federal Safety Standards and requires a confined space entry permit for 21" diameter pipe and larger.
- B. Performed adequately in small diameter pipe with reservations in 6" long radius turns and failed in large diameter pipe.
- C. Does not have sufficient support facilities in the State of California.
- D. Support vehicle was required.

### Vendor # 2

- A. Does not have the capability of performing inspections in large diameter pipe with flow present and does not meet the Federal Safety Standards.
- B. Failed in small diameter pipe. Confined space entry permit will be required for 21" diameter pipe and larger.
- C. Support vehicle was required.

### Vendor #3

- A. Performed all functions.
- B. All equipment meets or exceeds Federal Standards.
- C. No Confined space entry permit was required for pipe exceeding 21".
- D. Largest diameter inspected was 108".

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**JUSTIFICATION**

Recommended vendors equipment will enable Utilities Department to omit a support vehicle for the purpose of winching existing equipment.

**1. ANNUAL COSTS IN ADDITION OF CAMERA CREW**

	Vehicle 1	Vehicle 2
A. Support Vehicle, wenching	\$5,500.00	\$5,500.00
B. Support vehicle fuel	\$1,000.00	\$1,000.00
C. Traffic Control Staff (2) employees	\$67,240.00	\$67,240.00
D. Traffic Control Support Vehicle fuel	\$1,000.00	\$1,000.00
E. Confined Space entry staff @ 25%	\$16,810.00	\$16,810.00
F. Staff Vehicle for confined space 25%	\$1,375.00	\$1,375.00
G. Vehicle fuel @ 25%	\$250.00	\$250.00
H. Hydro Cleaner	\$10,000	\$10,000
I. Vehicle Staff for Hydro Cleaner	\$67,240.00	\$67,240.00
Total	\$170,415.00	\$170,415.00

**Grand Total \$340,830.00**

**2. FLEXIBILITY**

- A. Inspection vehicle staff will be able to Perform inspections in 3" to 108" diameter pipe without assistance of support crews and will not require a confined space entry permit.
- B. City employees are trained by Vendor to perform minor repairs.

**3. COST SAVINGS**

Note: No support vehicles or additional personnel will be required for recommended vendors equipment. The design of the equipment is such that confined space entry is not necessary thereby providing significant efficiency gains for the surveying team. It is estimated that actual survey footage will double from the current 600 feet per day to 1200 feet per day.

- A. \$340,830.00 annual in utilization of existing support equipment and personnel.
- B. \$13,448.00 annual in personnel loss productivity due to equipment breakage.
  - Existing Personnel salary total \$134,480.00
  - Existing loss time, annual 10% = \$13,448.00
  - Estimated loss time for new equipment, annual 5% = \$ 6,724.00

**Total Difference \$ 6,724.00**

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COST SAVINGS CONT:

- Existing support cost per linear foot @ 1200 LF/per day X 5 days X 50 weeks. 300,000 LF	\$1.14
- Existing camera crew cost per linear foot	\$.45
	Total \$1.59
Annual Cost	\$477,000.00
- Projected support cost per linear foot	\$0.00
- Projected cost per linear foot @ 2400 LF/per day X 5 days X 50 weeks. 600,000 LF.	\$0.22
	Cost Savings PLF \$1.37
	Projected Annual Cost \$132,000.00
Annual Savings Total	\$351,724.00

## 4. LIFE CYCLE, DEPRECIATION

A. Ten (10) years.

## 5. UPGRADE CAPABILITIES

A. Recommended vendor has the ability to upgrade his existing equipment. New technology will not obsolete current technology.

Respectfully Submitted,



Farrell Crawford  
Superintendent Sewer Maintenance

