

TO: James L. App, City Manager
FROM: Joseph M. Deakin, Public Works Director
SUBJECT: Sewer Main Rehabilitation/Repairs
DATE: May 20, 2003

NEEDS: For the City Council to consider awarding a construction contract to rehabilitate/repair sewer mains at various locations.

FACTS:

1. The Sewer Maintenance & Operations Manual recommends that old sewer mains be rehabilitated periodically in order to extend the life expectancy of the pipes.
2. City staff has monitored certain portions of the City's Sewer System and has identified over 11,000 feet of pipe that need to be lined and/or repaired. A majority of the pipes are located in the older, west side of the City.
3. Video inspection is required prior to sewer main rehabilitation. The pipe is cleaned and inspected prior to the installation of a lining material, thus extending the life of the pipeline.

**ANALYSIS
AND**

CONCLUSION: In order to rehabilitate sewer pipes in various locations, the City assembled plans and specifications for this project, publicly soliciting competitive bids under Project No. 03-03. Bid specifications were provided to 12 Plan Rooms and all requesting individuals. Five (5) Bids were received at the Bid Opening on May 8, 2003 ranging from a low bid of \$527,695 to a high bid of \$736,776.25. The low bid was submitted by MGE Underground in the amount of \$527,695. Attached is a Bid Summary tabulating the bids received.

POLICY

REFERENCE: Capital Improvement Program; California Public Works Contract; Sewer Maintenance & Operations Manual

FISCAL

IMPACT: \$650,00 has been budgeted under Budget No. 601.910.5452.444 with an additional \$250,000 budgeted for fiscal year 2004/2005

OPTIONS:

- a. Adopt Resolution No. 03-xx awarding a contract to MGE Underground in the amount of \$527,695 for rehabilitation of various sewer mains, DPW Project No. 03-03.
- b. Amend, modify or reject the above option.

Attachments (2)

- 1) Resolution
- 2) Bid Summary

RESOLUTION NO. 03-

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PASO ROBLES
AWARDING A CONTRACT TO MGE UNDERGROUND
FOR REHABILITATION OF VARIOUS SEWER MAINS, DPW PROJECT NO. 03-03

WHEREAS, the Sewer and Maintenance Operations Manual recommends that old sewer mains be rehabilitated periodically in order to extend the life expectancy of the pipes; and

WHEREAS, City staff has monitored certain portions of the City's Sewer System and has identified over 11,000 feet of pipe, a majority of which is located on the older, west side of the City, requiring lining and/or repair; and

WHEREAS, video inspection is required prior to rehabilitation. The pipe is cleaned and inspected prior to installation of a lining material, thus extending the life of the pipeline; and

WHEREAS, five (5) bids were received at the Bid Opening on May 8, 2003 ranging from a low bid of \$527,695 to a high bid of \$736,776.25; and

WHEREAS, the low bid submitted by MGE Underground in the amount of \$527,695 has been deemed responsive.

NOW, THEREFORE, BE IT RESOLVED, DETERMINED, AND ORDERED BY THE CITY

SECTION 1. The City Council of the City of Paso Robles does hereby award a contract to MGE Underground in the amount \$527,695 for rehabilitation of various sewer mains, DPW Project No. 03-03.

PASSED AND ADOPTED by the City Council of the City of Paso Robles this 20th day of May 2003 by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

Frank R. Mecham, Mayor

ATTEST:

Sharilyn M. Ryan, Deputy City Clerk

BID SUMMARY
Sewer Main Rehabilitation, DPW Project No. 03-03

BID ITEM NO.	ITEM DESCRIPTION	EST. QTY	UNIT	MGE Underground Paso Robles, CA		D-Kal Engineering Nipomo, CA		Kinsel Industries Houston, TX		Mocon Corporation Indio, CA		Specialty Construction, Inc. San Luis Obispo, CA	
				UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE
1	Mobilization	1	LS	16,362.00	16,362.00	23200.00	23,200.00	12300.00	12,300.00	60,000.00	60,000.00	66,000.00	66,000.00
2	Traffic Control	1	LS	2,825.00	2,825.00	4000.00	4,000.00	10560.00	10,560.00	15,000.00	15,000.00	51,000.00	51,000.00
3	Segment No. 1 10th St. between Oak & Pine Streets - 8-inch PVC average depth is 7.5 feet												
	a) Point repair and replace manhole at 10th and Spring Streets	1	LS	2,500.00	2,500.00	11574.00	11,574.00	14940.00	14,940.00	4,000.00	4,000.00	12,700.00	12,700.00
	b) Cleaning and TV inspection	1,155	LS	1.10	1,270.50	1.20	1,386.00	1.10	1,270.50	1.00	1,155.00	1.15	1,328.25
	c) 8-Inch diameter liner	1,030	LS	41.25	42,487.50	43.00	44,290.00	42.00	43,260.00	38.00	39,140.00	44.00	45,320.00
	d) Sewer lateral cut-off and reconnect	7	EA	140.00	980.00	200.00	1,400.00	150.00	1,050.00	129.00	903.00	148.00	1,036.00
4	Segment No. 2 Park Street between 9th and 10th Streets - 6-inch PVC average depth is 7.5 feet												
	a) Remove existing 6-inch and replace with 8-inch PVC pipe	380	LF	48.80	18,544.00	51.00	19,380.00	50.00	19,000.00	72.00	27,360.00	57.00	21,660.00
	b) Sewer lateral cut-off and reconnect	2	EA	125.00	250.00	855.00	1,710.00	1,350.00	2,700.00	1,350.00	2,700.00	266.00	532.00
5	Segment No. 3 Alley between Park and Pine Streets from 16th to 17th - 8-inch PVC average depth is 6 feet												
	a) Cleaning and TV inspection	400	LF	1.10	440.00	1.20	480.00	1.10	440.00	1.00	400.00	1.15	460.00
	b) 8-inch diameter liner	400	LF	41.10	16,440.00	43.00	17,200.00	42.00	16,800.00	38.00	15,200.00	44.00	17,600.00
	c) Sewer lateral cut-off and reconnect	12	EA	140.00	1,680.00	312.00	3,744.00	150.00	1,800.00	129.00	1,548.00	148.00	1,776.00
6	Segment No. 4 Chestnut from 10th to 12th Streets - 6-inch PVC average depth is 3.5 feet												
	a) Remove existing 6-inch and replace with 8-inch PVC pipe	680	LF	49.75	33,830.00	48.00	32,640.00	50.00	34,000.00	60.00	40,800.00	58.00	39,440.00
	b) Sewer lateral cut-off and reconnect	9	EA	125.00	1,125.00	300.00	2,700.00	1,050.00	9,450.00	800.00	7,200.00	170.00	1,530.00
	c) Remove & replace manhole at Chestnut & 11th Streets	1	EA	1,750.00	1,750.00	3,100.00	3,100.00	6,500.00	6,500.00	2,500.00	2,500.00	8,664.00	8,664.00

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				UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE
7	Segment No. 5 Olive Street from Pacific to 6th St., 6th St. from Olive St. to the alley east of Vine St., the alley between Vine and Oak Streets from 6th to 8th Street - PVC average depth is 6 feet												
	a) Remove existing 6-inch and replace with 8-inch PVC pipe	1,430	LF	49.75	71,142.50	46.00	65,780.00	50.00	71,500.00	72.00	102,960.00	56.00	80,080.00
	b) Sewer lateral cut-off and reconnect	27	EA	125.00	3,375.00	300.00	8,100.00	900.00	24,300.00	1,100.00	29,700.00	178.00	4,806.00
8	Segment No. 6 Alley between Vine and Oak Streets from 4th Street to 6th Street - PVC average depth is 6 to 8.5 feet												
	a) Cleaning and TV inspection	760	LF	1.10	836.00	1.25	950.00	1.10	836.00	1.00	760.00	1.15	874.00
	b) 6-inch diameter liner	760	LF	41.10	31,236.00	52.00	39,520.00	42.00	31,920.00	38.00	28,880.00	44.00	33,440.00
	c) Sewer lateral cutoff and reconnect	16	EA	140.00	2,240.00	200.00	3,200.00	170.00	2,720.00	149.00	2,384.00	170.00	2,720.00
9	Segment No. 7 8th Street from alley between Vine and Oak Streets to alley between Spring and Park Streets												
	a) Cleaning and TV inspection	800	LF	1.10	880.00	1.25	1,000.00	1.10	880.00	1.00	800.00	1.15	920.00
	b) 8-inch diameter liner	800	LF	41.10	32,880.00	47.00	37,600.00	42.00	33,600.00	38.00	30,400.00	44.00	35,200.00
	c) Sewer lateral cut-off and reconnect	7	EA	140.00	980.00	200.00	1,400.00	150.00	1,050.00	129.00	903.00	148.00	1,036.00
10	Segment No. 8 12th Street from Merry Hill Road to Fresno St.- PVC average depth is 5 to 10 feet												
	a) Remove existing 6-inch and replace with 6-inch PVC pipe	1,050	LF	50.61	53,140.50	46.50	48,825.00	50.00	52,500.00	72.00	75,600.00	59.00	61,950.00
	b) Sewer lateral cut-off and reconnect	25	EA	125.00	3,125.00	300.00	7,500.00	900.00	22,500.00	1,350.00	33,750.00	192.00	4,800.00
11	Segment No. 9 12th Street from Fresno to Vine St. - PVC average depth is 6.5 to 8.5 feet												
	a) Cleaning and TV inspection	1,130	LF	1.10	1,243.00	1.25	1,412.50	1.10	1,243.00	1.00	1,130.00	1.15	1,299.50
	b) 8-inch diameter liner	1,130	LF	41.10	46,443.00	46.50	52,545.00	42.00	47,460.00	38.00	42,940.00	44.00	49,720.00
	c) Sewer lateral cut-off and reconnect	27	EA	140.00	3,780.00	200.00	5,400.00	150.00	4,050.00	129.00	3,483.00	148.00	3,996.00

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				UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE
12	Segment No. 10 Alley between Olive and Vine Streets from 10th Street to 12th Streets - PVC average depth is 6 feet												
	a) Cleaning and TV inspection	680	LF	1.10	748.00	1.25	850.00	1.10	748.00	1.00	680.00	1.15	782.00
	b) 6-inch diameter liner	680	LF	41.10	27,948.00	55.00	37,400.00	42.00	28,560.00	38.00	25,840.00	44.00	29,920.00
	c) Sewer lateral cut-off and reconnect	15	EA	140.00	2,100.00	200.00	3,000.00	170.00	2,550.00	149.00	2,235.00	171.00	2,565.00
13	Segment No. 11 Chestnut St. from 15th to alley south of 15th Street - PVC average depth is 5 feet												
	a) Remove existing 4-inch and replace with 6-inch PVC pipe	100	LF	62.84	6,284.00	48.50	4,850.00	55.00	5,500.00	60.00	6,000.00	182.00	18,200.00
	b) Sewer lateral cut-off and reconnect	3	EA	125.00	375.00	300.00	900.00	1100.00	3,300.00	1,000.00	3,000.00	200.00	600.00
	c) Remove and replace manhole CHN 6.1	1	EA	1,750.00	1,750.00	3100.00	3,100.00	6500.00	6,500.00	3,000.00	3,000.00	8,700.00	8,700.00
14	Segment No. 12 Alley between 14th & 15th Streets from Chestnut to Olive - PVC average depth is 5 feet												
	a) Cleaning and TV inspection	380	LF	1.10	418.00	1.25	475.00	1.10	418.00	1.00	380.00	1.15	437.00
	b) 6-inch diameter liner	380	LF	41.10	15,618.00	52.00	19,760.00	42.00	15,960.00	38.00	14,440.00	44.00	16,720.00
	c) Sewer lateral cut-off and reconnect	7	EA	140.00	980.00	200.00	1,400.00	170.00	1,190.00	149.00	1,043.00	171.00	1,197.00
15	Segment No. 13 Alley between 15th and 16th Streets from Chestnut to Olive - PVC average depth is 7 feet												
	a) Cleaning and TV inspection	350	LF	1.10	385.00	1.25	437.50	1.10	385.00	1.00	350.00	1.15	402.50
	b) Point repairs as needed	1	LS	2,500.00	2,500.00	3500.00	3,500.00	4800.00	4,800.00	1.00	1.00	5,700.00	5,700.00
	c) 6-inch diameter liner	350	LF	41.10	14,385.00	55.50	19,425.00	42.00	14,700.00	38.00	13,300.00	44.00	15,400.00
	d) Sewer lateral cut-off and reconnect	8	EA	140.00	1,120.00	200.00	1,600.00	170.00	1,360.00	149.00	1,192.00	195.00	1,560.00
16	Segment No. 14 Bolen Drive from Cecil to Tucker - PVC average depth is 10 feet												
	a) Cleaning and TV inspection	670	LF	1.10	737.00	1.25	837.50	1.10	737.00	1.00	670.00	1.15	770.50
	b) Point repairs as needed	1	LS	2,500.00	2,500.00	3500.00	3,500.00	7800.00	7,800.00	1.00	1.00	9,800.00	9,800.00
	c) 6-inch diameter liner	670	LF	41.10	27,537.00	51.50	34,505.00	42.00	28,140.00	38.00	25,460.00	44.00	29,480.00
	d) Sewer lateral cut-off and reconnect	17	EA	140.00	2,380.00	200.00	3,400.00	170.00	2,890.00	149.00	2,533.00	171.00	2,907.00

BID SUMMARY
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				UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE
17	<u>Segment No. 15</u> In easement, 723 Rolling Hills Road - PVC average depth is 5 feet												
	a) Cleaning and TV inspection	400	LF	1.10	440.00	1.25	500	1.10	440.00	1.00	400.00	1.15	460.00
	b) Point repairs as needed	1	LS	2,500.00	2,500.00	3500.00	3500	4800.00	4,800.00	1.00	1.00	6,700.00	6,700.00
	c) 8-inch diameter liner	400	LF	41.10	16,440.00	57.00	22800	42.00	16,800.00	38.00	15,200.00	44.00	17,600.00
18	<u>Segment No. 16</u> Alley between Vine and Olive from 19th to 20th Streets - PVC average depth is 5 feet												
	a) Cleaning and TV inspection	300	LF	1.10	330.00	1.25	375.00	1.10	330.00	1.00	300.00	1.15	345.00
	b) Point repairs as needed	1	LS	2,500.00	2,500.00	4100.00	4,100.00	6500.00	6,500.00	3,000.00	3,000.00	4,860.00	4,860.00
19	<u>Segment No. 17</u> Alley between Vine and Oak Streets from 19th to 21st Street - PVC average depth is 4.5 feet												
	a) Cleaning and TV inspection	650	LF	1.10	715.00	1.25	812.50	1.10	715.00	1.00	650.00	1.15	747.50
	b) Point repairs as needed	1	LS	2,500.00	2,500.00	4100.00	4,100.00	7500.00	7,500.00	6,000.00	6,000.00	8,000.00	8,000.00
20	<u>Segment No. 18</u> Easement at 1008 and 1006 Par Avenue - PVC average depth is 4.5 feet												
	a) Cleaning and TV inspection	200	LF	1.10	220.00	1.25	250.00	1.10	220.00	1.00	200.00	1.15	230.00
	b) Point repair grade breaks	1	LS	2,500.00	2,500.00	4100.00	4,100.00	5500.00	5,500.00	2,000.00	2,000.00	3,000.00	3,000.00
TOTALS					527,695.00		619,514.00		636,972.50		699,472.00		736,971.25