

DATE SUBMITTED \_\_\_\_\_  
 SUBMITTED BY Public Services  
 DATE ACTION REQUIRED 12/4/24

COUNCIL ACTION ( )  
 PUBLIC HEARING REQUIRED ( )  
 RESOLUTION ( )  
 ORDINANCE 1<sup>ST</sup> READING ( )  
 ORDINANCE 2<sup>ND</sup> READING ( )  
 CITY CLERK'S INITIALS ( )

**IMPERIAL CITY COUNCIL  
 AGENDA ITEM**

SUBJECT:	DISCUSSION/ACTION: 1. Approve contract change order to Rove Engineering for Aten Blvd Rehabilitation Project between Vilore Way and Old SR-86 (CIP Project 817), Bid Roads in the City of Imperial; Bid No. 2024-03-Caltrans Project No. STBGL-5134(027)
DEPARTMENT INVOLVED:	
BACKGROUND/SUMMARY:  Please see attached staff report.	
FISCAL IMPACT: \$1,225,000  Wastewater Capacity Fund: 56-000-3200	FINANCE INITIALS <u>JMS</u>
STAFF RECOMMENDATION: Approve Request	DEPT. INITIALS <u>DD</u>
MANAGER'S RECOMMENDATION: <u>approve</u>	CITY MANAGER'S INITIALS <u>JMN</u>
MOTION:	
SECONDED: AYES: NAYES: ABSENT:	APPROVED ( )      REJECTED ( ) DISAPPROVED ( )      DEFERRED ( )  REFERRED TO:



December 4, 2024

Dear Honorable Councilmembers:

**Requested Action:**

Approve contract change order to Rove Engineering Inc., for Aten Boulevard Rehabilitation Project between Vilore Way and Old SR-86 (CIP Project 817), Bid Roads in the City of Imperial; Bid No. 2024-03 – Caltrans Project No. STBGL-5134(027) – Work included in CIP Project # 848

**Background:**

On October 2, 2024, the City Council awarded a contract for the Aten Boulevard Rehabilitation project between Vilore Way and old SR-86 as Project No. Bid 2024-03 to ROVE Engineering, Inc. for \$1,878,883.11. The scope of work includes the removal and disposal of portions of A.C. pavement and native material, grinding of existing pavement, AC leveling course, Asphalt Rubber Aggregate Membrane (ARAM), Asphalt Rubber Hot Mix, Class II Bike lanes, and more.

Staff discovered that the existing 8-inch-diameter gravity sewer pipeline that runs along Aten Road in the project area needs to be replaced with a larger-diameter pipe to handle additional flow. Substantial development has occurred between Aten Boulevard and Treshill Road, bounded by La Brucherie Road and Preble Road. Due to the number of existing Equivalent Dwelling Units (EDU) in this area (approximately 750 EDU existing), the condition of the gravity sewer pipe, the inadequate slope, and sags, the 8-inch sewer line is surcharged. There is also a known sag in the 10-inch diameter pipe that crosses SR-86 along Aten Road. More development in this area is being proposed; however, no further development can occur until a solution to the surcharged sewer pipeline is addressed.

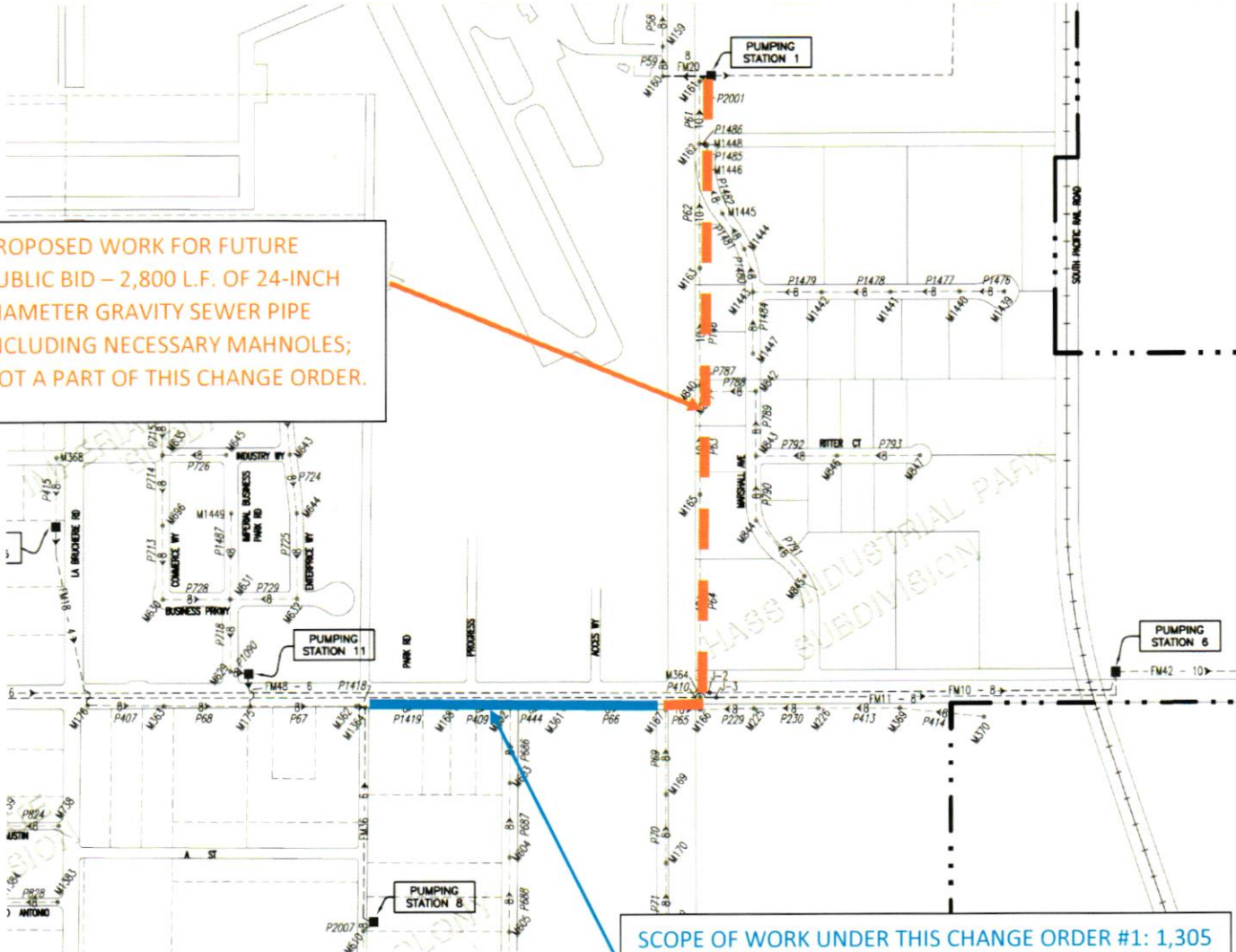
Staff is recommending that the sewer pipeline be replaced and upsized to handle additional flows before Aten Boulevard is paved. The proposed project includes the installation of 21- and 24-inch diameter sewer pipes, manholes, and sewer laterals to the right-of-way limit. The whole project includes gravity sewer pipe and manholes to be replaced from Shiloh Road along Aten Boulevard, then north to the Claypool sewer pump station. However, this proposed change order only includes the gravity pipe, manholes, and laterals within the project paving area from Wall Road to Old SR-86; the rest, which comprises approximately 60% of the total project, will be publicly bid.

Due to time constraints, this change order is essential now since the Aten Blvd. improvement project is already underway. Based on funding commitments, the project completion date should be no later than May 2025.

# CIP Project # 848 – Claypool Sewer Pipeline Replacement – project area

PROPOSED WORK FOR FUTURE PUBLIC BID – 2,800 L.F. OF 24-INCH DIAMETER GRAVITY SEWER PIPE INCLUDING NECESSARY MAHNOLES; NOT A PART OF THIS CHANGE ORDER.

SCOPE OF WORK UNDER THIS CHANGE ORDER #1: 1,305 L.F. OF 21-INCH DIAMETER GRAVITY SEWER PIPE INCLUDING NECESSARY MAHNOLES







Additional reasons to replace the existing 8-inch diameter gravity sewer pipe and manholes:

1. For years, this section of the sanitary sewer main has had a history of problems that have affected the proper functioning of the City's sewer collection system. It is undersized and surcharged during peak flow conditions. It has the most documented issues with sewer plugs, which have been reported and documented by city staff. The segment of sewer main crossing Old SR-86 has an identified sag, which creates an even worse problem.
2. Development bounded by Aten Road, Hwy 86 Treshill Road, and La Brucherie Road cannot proceed until this sewer line is upsized. The city has already issued "Will Serve" Letters to developers in this area. There are currently approximately 750 EDUs on this 8-inch line.
3. The Clark Road pump station can be substantially eliminated. It will remain active for only 2-3 service laterals and will also remain active in case the Claypool pump station goes down.
4. Approximately ½ mile of (2) 6-inch sewer force main can be eliminated. Extended sewer force mains result in the formation of Hydrogen Sulfide gas. These force mains will be directed to the new 21-inch diameter gravity sewer main. The shorter force main pipelines will reduce friction in the pipe and stress on the existing pumps.
5. The 24-inch diameter pipe can be installed at a lower slope, which means fewer starts and stops for the Claypool pump station.

This request is in addition to the 15% contingency approved in the October 2, 2024 City Council meeting.

Date:  
11/15/2024

**Sewer Improvements Bid Items:**

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
1	1	LS	Mobilization of equipment and material, Performance Bond, Payment Bond, General Liability Insurance, Workman's Compensation Insurance, Construction water, freight, project signs, Air pollution control district requirements and fees, Restroom Facilities, Vehicle Insurance, Taxes, Permits, Business license, and Similar expenses and other costs not specifically addressed within this bid item list.	\$ 20,000.00	\$ 20,000.00
2	1	LS	Preparation of Traffic Control Plan, Implementation of Traffic Control	\$ 54,400.00	\$ 54,400.00
3	1	LS	Potholing of the Existing Underground Utilities and Pipelines as indicated on Improvement Plans.	\$ 14,932.00	\$ 14,932.00
4	1	LS	Construction Staking	\$ 18,133.00	\$ 18,133.00
5	1	LS	Preparation and Implementation of Dust Control Plan Per Imperial County Air Pollution Control District	\$ 6,570.00	\$ 6,570.00
6	1,305	LF	Furnish and Install New 21-inch Dia. PVC PS115, ASTM F679 Gravity Sewer Pipeline, Including Trenching/Shoring, Pipe Sand Bedding, Tracer Wire, Native Material Backfill and Compaction.	\$ 264.00	\$ 344,520.00
7	4	EA	Furnish and Install 8" PVC SDR 26 Pipe and Connect to Existing Sewer Manhole	\$ 7,612.00	\$ 30,448.00
8	1	EA	Furnish and Extend 6" PVC Force Main and Connect to New Sewer Manhole at Wall Road.	\$ 32,514.00	\$ 32,514.00
9	2	EA	Furnish and Install 6 inch PVC Sewer Force Main. Connect existing Sewer Force Main to New Sewer Drop Manhole	\$ 15,474.00	\$ 30,948.00
10	4	EA	Furnish and Install New 6-Dia. Ductile Iron Resilient Wedge Gate Valve with Valve Cover and Riser.	\$ 3,364.00	\$ 13,456.00
11	2	EA	Furnish and Install New 6-Inch Dia. MJ Ductile Iron Epoxy-Coated Wye.	\$ 3,834.00	\$ 7,668.00
12	1	EA	Connect Existing Sewer System to New Sewer Pipeline, Include Temporary Sewer Bypass	\$ 35,935.00	\$ 35,935.00
13	1	EA	Furnish and Install 5-ft Diameter Drop Manhole per Details on Plans	\$ 59,049.00	\$ 59,049.00



14	4	EA	Furnish and Install 4-ft Diameter Manhole Per Details on Plans	\$ 40,838.00	\$ 163,352.00
15	2	EA	Furnish and Install 6 inch PVC Sewer Lateral to Property Line.	\$ 30,023.00	\$ 60,046.00
16	8	EA	Connect Existing Sewer Laterals to New Sewer Line.	\$ 9,845.00	\$ 78,760.00
17	2	EA	Cap End of 21 Inch Diameter Stub Outs.	\$ 4,180.00	\$ 8,360.00
18	1	LS	Contractor to Complete New Sewer System Testing per General Notes.	\$ 13,777.00	\$ 13,777.00
19	1	LS	Remove and Dispose AC Pavement and Undelaying Material, include AC Milling in Trenching Detail	\$ 25,383.00	\$ 25,383.00
20	295	Tons	Install 6 Inches of AC Pavement 3/4" Type A HMA, Include Cold Mill Area	\$ 181.00	\$ 53,395.00
21	330	CYS	Install 18 Inches of Class II Base	\$ 127.00	\$ 41,910.00
				Total Bid Items	\$ 1,113,556.00

This estimate does not include dewatering, as experience in the area shows that the groundwater depth is between 8 and 10 feet below the surface. The sewer pipeline depth is between 8 and 9 feet. Sewer bypass pumping is also not included, as the city has agreed to assist in using a Vactor truck for this and potholing, all to keep the costs as low as possible. A 10% contingency is requested for any of these or other unforeseen issues.

**Fiscal Impact:**

This change order request is for a part of **CIP Project #848**. The total increased cost for this project is up to **\$1,225,000.00**. Since this project would result in additional sewer capacity for future development in the abovementioned areas, wastewater capacity funds are being proposed to be utilized.

Accounts to be utilized are as follows:

<b>ALTERNATIVE 1 - Public Services – Award for Base Bid and Additive Bid Items</b>		
<b>Department Account</b>	<b>Account Description</b>	
56-000-3200	Wastewater Capacity Fund	\$1,225,000.00