



City of Coalinga

155 W. Durian
Coalinga, CA 93210

Video Inspection Specialists (VIS)

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City of Coalinga

Sanitary Sewer Collection System - CCTV Inspection Services

Video Inspection Specialists Inc (VIS) is submitting the following proposal for the Sanitary Sewer Collection System project, due September 1st, 2022. Thanks for taking the time to review and consider our proposal. We look forward to working with the City of Coaling. With over 40 years of experience specializing in underground pipeline video inspection, we understand the infrastructure and will get the job done correctly.

Best Regards,

Kevin Hastings

Kevin Hastings

Operations Manager

Video Inspection Specialists | CCL# 933005

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Introduction

Central Valley's Premier Pipeline Inspection and Rehabilitation Company

Who We Are

Initially founded in 1978, Video Inspection Specialists has served the Underground Infrastructure Industry for over forty years. VIS was one of the first to bring the value of CCTV pipeline inspections to Municipalities, Pipeline Contractors, Consulting Engineers, and Utilities across California's Central Valley.

Today we have grown into a full-service pipeline cleaning and rehabilitation company.

Our "get it done" attitude and commitment to delivering unparalleled service and support continues to fuel our growth.

Our Values

Customer Commitment: We provide superior service that gives our customers confidence. Confidence in knowing that we can help solve their most challenging underground infrastructure problems.

Quality: We provide innovative, long-lasting programs and services that deliver premium value to our customers.

Teamwork: We work together to meet the needs of our customers. We value our people and encourage their development.

Continual Growth: We are passionate about continually investing in our equipment and our teams. Through a culture of continual growth, we have become a trusted partner to our customers.

Good Citizenship: We are good citizens in the communities we live and work. Our dedicated staff continually strives to provide safe and sustainable solutions to the problems facing our environment.

"VIS has always provided great service. They understand the importance of getting our municipal wells back up and producing clean and safe water for our customers."

Tim Bakman, President | Bakman Water Company



VIS Cost Proposal – City of Coalinga

Close Circuit Television Inspection Services

City of Coalinga Bid
CCTV Inspection and Cleaning
2022 Bid

Video Inspection Services

Bid Item No.	Bid Item	Unit	Quantity	Unit Price	Cost
1	6-inch Hyrdo Flushing	LF	72,732	\$0.89	\$64,731.48
2	8-inch Hyrdo Flushing	LF	23,462	\$0.80	\$18,769.60
3	10-inch Hyrdo Flushing	LF	4,031	\$0.80	\$3,224.80
4	12-inch Hyrdo Flushing	LF	1,105	\$0.88	\$972.40
5	15-inch Hyrdo Flushing	LF	1,364	\$0.88	\$1,200.32
6	18-inch Hyrdo Flushing	LF	5,987	\$0.90	\$5,388.30
7	24-inch Hyrdo Flushing	LF	2,499	\$0.90	\$2,249.10
9	6-inch CCTV Inspection	LF	72,732	\$0.90	\$65,458.80
10	8-inch CCTV Inspection	LF	23,462	\$0.80	\$18,769.60
11	10-inch CCTV Inspection	LF	4,031	\$0.80	\$3,224.80
12	12-Inch CCTV Inspection	LF	1,105	\$0.80	\$884.00
13	15-Inch CCTV Inspection	LF	1,364	\$0.85	\$1,159.40
14	18-Inch CCTV Inspection	LF	5,987	\$0.85	\$5,088.95
15	24-Inch CCTV Inspection	LF	2,499	\$0.90	\$2,249.10
Total Bid				\$193,370.65	

Kevin Hastings

8/29/2022



Scope of Services

CCTV Mainline Inspections – Approximately 111,180 linear feet of mainline video inspections will be completed as per the Nassco PACP standard using a Nassco approved CCTV software package. Camera heads with an installed wiper will be used to maximize efficiency in active sewers by eliminating the need to stop inspections to clean lens. VIS currently uses multiple transporters with auto-lift, steering capabilities, and reverse cameras that provide a greater success rate in pipes with obstructions and debris. All field notes and deliverable will be submitted to the City of Coalinga and AM Consulting Engineers. Deliverable will include (CCTV) videos, snapshots, and a pipeline assessment report on (2) hard copies of the inspection reports and one electronic copy of all inspection reports and videos.

Hydro-jetting and Vacuum Services – Approximately 111,180 linear feet of sanitary sewer pipeline will be cleaned prior to the PACP video inspections. Cleaning will consist of a two-pass jet, with fine root and grease removal. VIS uses the highest quality trucks in the industry that promote safety, efficiency, and water conservation. By using T-5 nozzles, proper cleaning and water conservation is achieved consistently throughout the cleaning process. In shallow sewers, a specialized anti-blast nozzle is used to prevent pressure buildup in lateral connections. Every truck is equipped with a high-pressure spinner nozzle to remove fine roots and grease. VIS trucks are also equipped with cutters, flails, and multiple other specialty attachments for removing large roots, root mass, mineral deposits, protruding laterals and foreign objects of just about any type.

Push Camera – Any reverse inspections that require access through an upstream cleanout can optionally be inspected with the use of a push camera system. The push camera system features a self-leveling camera head that can travel up to 400 LF in 3"-12" pipes, allowing access to cleanouts. VIS push camera systems have the capability to communicate with all PACP certified software packages.



Scope of Services

Additional Offered Services:

Trenchless Pipeline Repair – Able to repair 6” - 36” pipe in 24” and 48” lengths using a resin ambient cure CIPP patch. More information can be provided upon request.

VIS is trained in traffic control setup by Safety Compliance and conform to the standards and guidance of the CA-MUTCD. Project will be planned out in a manner to keep 3rd party traffic control to a minimum and provide the smallest interruption possible to the public.



VIS References & Performance

PG&E: VIS is currently under contract with PG&E providing cross bore prevention inspections in the Central Valley. Expansion into Kern County, Northern California, and the Central Coast will begin in 2023.

Contact: David Salas

Phone: (510) 876-2015

Address: 6121 Bollinger Canyon Road, San Ramon, CA 94583

Fresno Metropolitan Flood Control District: VIS is currently under contract with the district for all on-call jetting, vacuum, and pipeline inspection services. We have been servicing the district for five consecutive years.

Contact: Paul Allen & Brett Phillips

Phone: (559) 456-3292

Address: 5469 E. Olive Avenue, Fresno, CA 93727

City of Riverdale: Completed CCTV PACP inspections and hydro jetting of city's entire sewer infrastructure in 2021.

Contact: Vincent Romero

Phone: (559) 852-3727

Address: 20896 Malsbary, Riverdale, CA 93656

Pinedale Water Distract: Provide on call services on an as needed basis for pipeline cleaning, CCTV inspection, and point repair pipeline rehabilitation.

Contact: Jason Franklin

Phone: (559) 439-2362

Address: 20896 Malsbary, Riverdale, CA 93656



City of Grover Beach (2021-2022): Completed CCTV PACP inspections and hydro jetting of city's entire sewer infrastructure totaling 200,000 linear feet.

Contact: Gabriel Munoz-Morris

Phone: (805) 473-4536

Address: 154 S. 8th Street, Grover Beach, CA 93433

City of Kerman (2020) - Sewer Rehabilitation project. Inspection and jetting of 160,000 LF of city's infrastructure. Completed in 2 ½ months. Additional footage added later by city along with establishment of sewer maintenance contract.

Contact: Michael Barajas

Phone: (559) 681-1075

Address: 15201 W. California Ave. Kerman, CA. 93630

Fresno State University (2020 and 2021) - Sewer and Cleanout Rehabilitation project. 24,000 linear feet of CCTV pipeline inspection, cleaning and locating services.

Contact: Ben Seunghyun Yang - Exbon Development Inc.

Phone: (619) 851-0119

Address: 13831 Newhope St., Garden Grove, CA 92843

Browning Contractors - Long standing agreement providing CCTV and VAC services for pre-acceptance inspections of new construction sewer and storm drain. On average of 4000-5000 linear feet per week.

Contact: Alex Alvarez

Phone: (559) 930-4829

Address: 2914 N Argyle Ave, Fresno, CA 93727



Coalinga Project Technicians Experience

Kevin Hastings - OPS Manager

Kevin has seventeen years of experience in the pipeline inspection industry. Kevin's experience has been based around pipeline inspection and rehabilitation equipment sales and new customer training for Aries Industries, a leading manufacture in pipeline inspection equipment. In recent years, Kevin Hastings has managed a team of pipeline inspection and hydro jetting truck operators on large scale municipal sanitary pipeline projects.

Jeff Dewey – Project Manager and CCTV Operator

Jeff has been with the company as a Nassco certified operator and a trained CIPP trenchless pipe repair technician for 3 years. He was primary operator for our project in Kerman, Ca which consisted of 180,000 LF of sewer mainline inspections. He regularly inspected an average of 4000LF of sewer pipeline per day before he was promoted to the company's Project Manager. Now he runs the day-to-day operations for all projects and heads our Cross-bore Prevention Division.

James Anderson – Field Supervisor

James has been in the underground pipeline industry for over twenty years. James's experience is based around all aspects of new pipeline construction, municipal pipeline repair, Hydro flushing, and video inspection of municipal sewer systems. James is Nassco PACP certified and holds certifications in confined space and CPR.

Michael Leon

Michael is a Nassco PACP certified CCTV Operator. Michael has completed multiple large new construction and existing inspection project over the last 3 years with the company. He was primary operator for our project in Grover Beach, Ca which has consisted of over 200,000 LF of sewer mainline inspections. He is also trained in cross bore prevention CCTV inspections. Michael has been assigned to several asset management inspection projects and has proven to be a skilled CCTV operator.

Mike Kelly

Mike has been in the pipeline inspection and cleaning industry for over twenty-one years. Mike has been with Video Inspection Specialists holding positions as an CCTV and Vac truck/Hydro Jetting operator. He is Nassco PACP certified and holds certifications in confined space and CPR.

Michael Orozco

Michael is a Nassco PACP certified CCTV Operator. Michael has completed multiple large new construction and existing infrastructure inspection projects over the last 2 years with VIS. Michael has been our rotation CCTV operator for all large projects like in Grover Beach and Riverdale. Michael has been assigned to several asset management inspection projects and has proven to be a skilled PACP CCTV operator.



Project Understanding and Approach to the Work

Video Inspection Specialists Inc. recognizes the need for safety and efficiency to not only maximize the work, given the limited monetary resources, but to always provide and maintain the safest work environment possible.

Our inspection crews maximize their efficiency in the following ways:

- By utilizing a single conductor system with a steel armored cable, we have the capability to inspect multiple line segments in one setup.
- Inspection areas are planned out ahead of time each day to inspect efficiently in as few setups as possible.
- All inspections are submitted at the end of each shift to the Project Manager to check for accuracy and make immediate changes when necessary.
- Equipment maintenance is of the utmost importance. All serviceable equipment is checked by a qualified technician at the start of every shift. Equipment will always be maintained and in working order along with back up units in case of unavoidable breakdowns.

Video Inspection Specialists Inc. holds regular safety meetings with an OSHA certified trainer. VIS is also part of the ISN Safety Program.

We review common safety measures such as:

- Awareness of common job-related safety and health hazards.
- Recognition of, and preventive measures for, the safety hazards associated with our line of work.
- Proper traffic control setup to prevent common traffic-related hazards to keep workers, passers-by, and drivers safe while in the work zone.



CCTV Inspections QC Procedure

Prior to starting pipeline inspections all company safety procedures must be followed.

Calibration of incoming software footage:

Follow step by step procedure provided by the software manufacturer for calibration of cable footage. To test for accuracy, mark out a pre known 100-foot section on the cable. Line the first mark set by the 100-foot measurement taken with the friction point of the encoder. Zero footage through the software program and slowly retrieve the cable to the second set mark on the cable. The footage on the software should be within + or – 2' per 1000'. If the footage is not calibrated accurately, check all connections to the encoder and complete an OD measurement of the counter wheel to verify its within manufacturer spec.

CCTV Equipment Daily Test:

1. Camera internal nitrogen pressure (9 pounds + or – 3 pounds) Internal humidity less 18% cold
2. Rotation and Pan test- Camera should rotate and pan to limit with no interruptions. Video should be stable and free of (Video Noise During Test) if any issues are seen during the test, contact the manufacturer for RMA number for service and request loaner be sent over night.
3. Camera lens test- Make sure lens of the camera is cleaned properly in between line segments. Lens should be free of large scratches and properly focused when home button is activated.
4. Tractor Clutch- Confirm that all wheels are properly engaged during forward and reverse setting. Place the tractor in neutral and pull the transporter across the ground to make sure all wheels are completely disengaged. If clutch is not working properly, please refer to the owner's manual of the model tractor being utilized for adjustment.
5. Conduct visual inspection of all tires being used for configuration for proper traction. Proper size wheels should be used per the manufacturer's suggested charts for pipe sizes and type. Tires need to be cleared of all debris after every retrieval to prevent "lockup."
6. TV Cable inspection- Cable must be checked during every retrieval to ensure the integrity of the cable has not been jeopardized during the previous inspection. If the cable has kinks or cuts through the jacket the cable needs to be cut back to the location in question and re-terminated.



Inspections Procedure:

Inspections are to be started from the center of the access point or edge of pipe, depending on the city spec, and completed at the same location in the downstream. Inspections unable to be completed due to obstruction should be noted as a modified completion using the abandoned survey observation code. Setups need to be planned every morning prior to start of inspections. Setups need to be planned to complete as many line segments as possible from one location. The Inspections should be completed at no faster than 40 feet per minute or 30 if a PACP spec. Survey must be completed by the provided municipal spec or defaulted to a PACP (or) industry standard inspection.

Observation coding and grading should be performed at the municipalities provided spec or referenced per PACP guidelines.

Completed Inspections:

- All station or manhole numbers need to be listed in order prior to started inspection for accuracy. all inspection reports must be reviewed at the end of the day for any possible MH entries mistakes.
- A physical map must be used as a complete segment checklist. Map must be uploaded with video inspections daily for office staff review of performance and observation accuracy.
- Project folders must be completed within the software and mapped two the current inspection.
- Carryover fields must be utilized in the inspection software to promote efficiency and accuracy.
- At the end of every shift all completed inspections are backed-up on a solid-state hard drive.
- All completed inspections are to be reviewed by operations or project managers prior to submittal. Once inspections are reviewed all reports and videos will be uploaded into drop box with and sent to customer. As a secondary deliverable, all video inspections completed during the project must be transferred onto a solid-state hard drive and delivered to the customer.



Safety and Traffic Control Guidelines

Traffic:

- Residential/suburban roadways (light traffic) traffic control will be setup and maintained by VIS following standards set by CA-MUTCD. VIS teams will be equipped with proper signage, cones, delineators, and light systems based on the project location.
- Metropolitan roadways and residential high traffic areas requiring an engineered traffic plan. VIS utilizes Safety Network for all engineered traffic control plans. Due to previous projects VIS is very familiar with the traffic in the area and the infrastructure. VIS plans projects in areas with high traffic at times of day that provides the least amount of interruption and safest working conditions.
- Traffic control in areas such as highways, freeways or express ways or require Lane shifts or intersection light modifications, will always be conducted through an engineering traffic control company to promote the highest possible safety and limit liability for the contractor and municipalities.

Job Site Safety:

- All VIS truck systems are equipped with proper DOT emergency and safety arrow boards and strobe lights.
- All staff members must have safety glasses, hardhats, and Class 3 safety vest on at all times.
- Safety gloves, splashguards, and water resistance boots must be worn while working in active sewer lines.
- Truck systems are inventoried weekly to ensure operators have all proper PPE for the assigned project.
- Daily safety meeting and check off sheets must be completed.



- COVID-19 Safety checklist must be completed by every employee prior to the start of shift. All County and California Covid-19 guidelines will be followed by all VIS staff members.
- All VIS staff must follow confined space training guidelines. Permits must be posted, proper communication radios must be worn, proper gas meters must be always used, hand harness and emergency retrieval cranes must be tested prior to each entry. Please see the VIS safety manual for further information regarding confined space entry.
- Every truck is equipped with safety compliance books and emergency procedures.