

MINUTES OF A MEETING OF THE
ENGINEERING/EQUIPMENT COMMITTEE
OF THE VALLECITOS WATER DISTRICT
MONDAY, FEBRUARY 8, 2021 AT 3:00 P.M.
VIA TELECONFERENCE

Director Elitharp called the meeting to order at the hour of 3:00 p.m.

Present: Director Hernandez
 Director Elitharp
 General Manager Pruim
 District Engineer Gumpel
 Capital Facilities Senior Engineer Morgan
 Asset Management Supervisor Bowman
 Executive Secretary Posvar
 Administrative Secretary Johnson

ITEM(S) FOR DISCUSSION

ASSET MANAGEMENT PIPELINE CONDITION ASSESSMENT PROGRAM

District Engineer Gumpel stated staff will be providing multiple presentations to the Committee and the Board in the future regarding different aspects of the Asset Management Program.

Asset Management Supervisor Bowman facilitated a presentation on the status of the Pipeline Condition Assessment Program as follows:

- Asset Management Component Condition Assessment
- Asset Management Activities Progression
- Pipe Inventory
- Pipeline Condition Assessment Program Overview
- Example of Methodologies
- Business Risk Exposure
- Likelihood of Failure
- Planned Condition Assessments

Asset Management Supervisor Bowman reviewed an activities progression chart which illustrates progress during the past year. Good progress is being made in the categories of Condition Assessment Consultant, GIS-CMMS Integration, Business Process Mapping, Business Risk Exposure & Level of Service, Data Quality Control Auditing and Training Staff. She also reviewed the inventory of existing pipes by pipe age and material type. The District currently has 265 miles of sewer pipe and 357 miles of water pipe. The earliest pipes were originally installed by farmers in the 1950's. Pipe failures

are not necessarily related to the age of the pipe. Pipe condition depends on many variables such as construction factors, dry utility interference, and fire hydrant use.

Asset Management Supervisor Bowman discussed planned condition assessments. The Steel Pipeline Condition Assessment is scheduled to start in the summer/fall of 2021 utilizing Smart Ball and HydraSnake tools with a budget of \$855,000. The Land Outfall West Condition Assessment is currently underway and will use closed-circuit television and sonar technologies with a budget of \$609,000. The Ductile Iron Pipeline Condition Assessment is scheduled for this spring and will involve leak detection and soil corrosivity analysis with a budget of \$605,000.

Mike Hunsaker, member of the public, asked if the asset management plan is for water only and if there are any Techite water distribution pipelines within the District. He does not see a correlation between rating factors and the life of ductile iron pipe in the risk assessment. Staff responded that the current focus is on the water distribution system and that there is an asset management plan for sewer. There are no Techite water pipes in the District's water distribution system.

DUCTILE IRON PIPELINE CONDITION ASSESSMENT AWARD TO V & A CONSULTING

Asset Management Supervisor Bowman discussed the Ductile Iron Pipe Condition Assessment Pilot Project to be performed by V&A Consultants (V&A) which will evaluate recommended assessment technologies to determine if the technology is successful at identifying pipes that should be prioritized for repair or replacement. The scope for the pilot testing includes Project Management, In-situ Soil Resistivity Testing, Soil Analysis, Leak Detection Survey, and delivery of a Technical Memorandum. V&A will coordinate, perform, and oversee the technology pilot testing and summarize the findings. The first pilot testing area will include approximately 25 miles of ductile iron pipe.

Staff asked for the Committee's support of their recommendation that the Board authorize the General Manager to enter into a professional engineering services agreement with V&A in the amount of \$70,402 for project management, oversight of inspection services, and evaluation of results of the pilot project.

The Committee supports staff's recommendation.

SAN MARCOS INTERCEPTOR CONSTRUCTION MANAGEMENT AMENDMENT

Capital Facilities Senior Engineer Morgan provided a brief update on the progress of the San Marcos Interceptor Phase 2 Project which is almost 60% complete. Phase 2 is the final phase of the interceptor improvements for which construction started in the early 2000's.

Capital Facilities Senior Engineer Morgan stated that on June 17, 2020, the Board approved a professional services agreement with Valley CM (VCM) in the amount of \$493,614 as part of the San Marcos Interceptor Phase 2 Project for construction management and inspections (CM&I) services. The original VCM scope of work for CM&I services was based on a 10-month construction duration. Due to the discovery of additional unforeseen underground utilities, construction was delayed approximately two months for required pipeline and tunnel alignment redesign and approvals. The delay and additional night shifts have required additional onsite inspections, testing, and coordination services. Staff received Amendment No. 1 from VCM on January 24, 2021. Staff reviewed the amendment for content and completeness for additional inspections, testing, and coordination services. VCM's time and material not-to-exceed Amendment No. 1 fee is \$142,560.

Staff asked the Committee to support their recommendation that the Board authorize the General Manager to execute Amendment No. 1 for \$142,560 with VCM for additional construction management, inspection, and geotechnical engineering services for this project.

The Committee supports staff's recommendation.

OTHER BUSINESS

None.

PUBLIC COMMENT

None.

ADJOURNMENT

There being no further business to discuss, the meeting was adjourned at the hour of 3:55 p.m.