




DATE SUBMITTED 05/25/2022
 SUBMITTED BY Public Services
 DATE ACTION REQUIRED 06/01/2022

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

IMPERIAL CITY COUNCIL AGENDA ITEM

SUBJECT: Construction Management & Inspection Services	DISCUSSION/ACTION: 1. Approve Webb's Construction Management and Inspection Services for Shop Tank Recoating Project.
DEPARTMENT INVOLVED: Public Services - Water	
BACKGROUND/SUMMARY: Webb's scope of work for these services will include the following tasks for the Shop Tank Recoating Project: <ol style="list-style-type: none"> 1. Respond to RFI's during construction 2. Review contractor submittals 3. Attend a jobsite pre-construction meeting 4. Full time field inspection by CSI Services 5. Perform field visits during construction to verify project performance and compliance with construction documents. 6. Provide telephone/email coordination during construction 7. Prepare record documents based upon contractor's redline markups These services will ensure compliance, regulations and specs are met during duration of Shop Tank Recoating Project.	
FISCAL IMPACT: \$54,580 - Albert A. Webb & Associates GL 50-510-5241 Maintenance & Repairs	FINANCE INITIALS 
STAFF RECOMMENDATION: Approve	DEPT. INITIALS 
MANAGER'S RECOMMENDATION: 	CITY MANAGER'S INITIALS 
MOTION:	
SECONDED: AYES: NAYES: ABSENT:	APPROVED () REJECTED () DISAPPROVED () DEFERRED () REFERRED TO:



May 5, 2022

Corporate Headquarters

3788 McCray Street
Riverside, CA 92506
951.686.1070

Palm Desert Office

36-951 Cook Street #103
Palm Desert, CA 92211
760.568.5005

Murrieta Office

41391 Kalmia Street #320
Murrieta, CA 92562
951.686.1070

Mr. Jackie Loper
Public Services Director
City of Imperial
420 S. Imperial Avenue
Imperial, CA 92251

RE: Proposal for Construction Management and Inspection Services for the Shop Tank
Recoating Project BID No. 2022-03

Dear Jackie,

Pursuant to your request Albert A. Webb Associates (Webb) has prepared the following proposal to provide construction management and inspection services for the abovementioned project.

Based upon our understanding of the projects, Webb's scope of work will include the following tasks for the project:

CONSTRUCTION SERVICES

Unless indicated elsewhere, the scope of construction services that Webb Associates/CSI Services will be providing for this project are as follows:

1. Respond to RFI's during construction
2. Review contractor submittals
3. Attend a jobsite pre-construction meeting
4. Full time field inspection by CSI Services (Scope of Work Attached)
5. Perform field visits during construction to verify project performance and compliance with construction documents.
6. Provide telephone/email coordination during construction
7. Prepare record documents based upon contractor's redline markups

Cost for these services will be \$54,580 (spreadsheet attached), billed monthly on a percent complete basis. We thank you for the opportunity to continue working with the City of Imperial. Should you have any questions, please contact me at (951) 686-1070.

Sincerely,
ALBERT A. WEBB ASSOCIATES

A handwritten signature in black ink, appearing to read "Shane Bloomfield".

Shane Bloomfield, P.E.
Senior Engineer

Cc: Brian Knoll, WEBB



www.webbassociates.com

MANPOWER AND FEE ESTIMATE
CITY OF IMPERIAL

Proposal for Construction Management and Inspection Services for:
Shop Tank Recoating

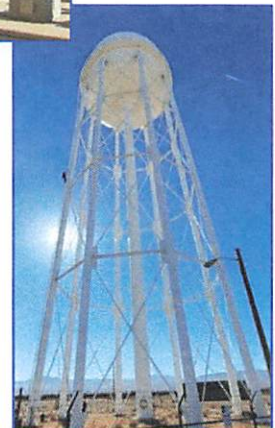
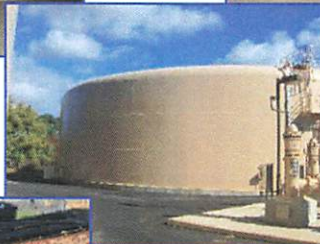
Task	Personnel Hours					Budget ⁽¹⁾
Description	Principal Engineer	Senior Engineer	Associate Engineer	Project Coordinator	Total Hours	Labor
Task 1 - Shop Tank Recoating						\$ 54,580
1.1 - Construction Management	2	16	4	4	26	\$ 4,900
1.A - Subcontractor - Inspection						\$ 49,680
TOTAL BUDGET	2	16	4	4	26	\$ 54,580

⁽¹⁾The amounts indicated for each individual project task are estimated budget amounts and accordingly the actual amounts may be more or less than shown. However, the total budget will not be exceeded without written authorization from the City.



CSI Services, Inc.
P. O. Box 801357 Santa Clarita, CA 91380
877.274.2422

Proposal 3139
Coating Inspection Services
City Yard 2.0MG Welded
Steel Water Storage Reservoir
City of Imperial, CA



Prepared for:
Shane Bloomfield, PE
Senior Engineer
Albert A. Webb Associates
3788 McCray Street
Riverside, CA 92506

Prepared by:
CSI Services, Inc.

Patrick Sweeney
Patrick Sweeney
Project Manager

May 4, 2022

Hawaiian Office: PO Box 671 Aiea, HI 96701
Northern California Office: P.O. Box 371, Sonoma, CA 95476
Coating Specialists and Inspection Services, Inc.

Consulting

Evaluations

Tank Diving

Inspection



Table of Contents

Discussion..... 1

Qualifications of Project Team..... 1

Qualifications of Firm..... 2

Quality Control/Quality Assurance Implementation..... 3

Scope of Services..... 5

Fee Schedule 8

Attachments

- Dias Resume
- Dollarhide Resume
- Arechiga Resume
- Sweeney Resume
- SSPC QP5 Certification



Discussion

The goal of this proposal is to provide specialty coating inspection services during the recoating of the City Yard 2.0MG Water Storage Tank Project for the City of Imperial. CSI feels that it may be uniquely qualified for this assignment because it prepared the coating specifications. It is understood that the scope is to reline and repaint the tank. The staff of CSI has extensive experience with this scope and has successfully completed hundreds of similar water tank projects, including many past projects for Webb. This project requires a team that not only has extensive water tank inspection experience, but also has the ability to take the quality of inspection to a 100 percent customer satisfaction level. CSI strives to continually meet this internal benchmark. After all, it is your project, but it is our reputation. We welcome the opportunity to fully express our expertise in providing these services through an interview process.

Qualifications of Firm

CSI is a corporation formed in 2004 that provides services as a consulting engineering firm specializing in protective coatings and linings with specific expertise in water storage tank projects. The management team, with more than 100 years of combined coating expertise is committed to the timely and ethical delivery of its services.

CSI provides comprehensive consulting services including failure analysis, laboratory testing, expert witness, maintenance and corrosion assessment (dry and underwater), coating system evaluations, technical specifications, and in-process inspection of surface preparation and coating/lining applications. CSI also has an in-house water storage tank diving division that completes over 100 water tank dives per year. CSI is a completely independent firm enabling the delivery of totally unbiased services to owners and all members of the coating and corrosion prevention community.

The firm is financially strong with no conditions such as disputes or litigation that would impede our ability to complete the project. CSI has more coating inspectors than any other third-party firm in the state of California and Hawaii and this staffing includes more than 35 inspectors having NACE and/or SSPC coating inspection certifications. Many of these inspectors reside within San Diego County. This staffing allows us to place specifically highly qualified inspectors onto unique projects, such as this comprehensive assignment.

Further, CSI is proud of its certification as an SSPC QP-5 Coating Inspection Firm. Equivalent to the ISO 17020 certification (ISO 9001), the QP-5 certification recognizes firms for their high level of technical strength, internal quality control program, financial stability, safety record, and ability to provide quality services over a long period of time. The QP-5 has been adopted as a requirement by many large owners such as the U.S Department of Defense, Army Corp of Engineers, and many state governments as a means of prequalifying firms for inspection on their coating projects. We offer this QP-5 recognition as a third-party means of checking the quality and abilities of our firm. The QP5 program requires our staff to continually seek to improve on the services that we deliver.

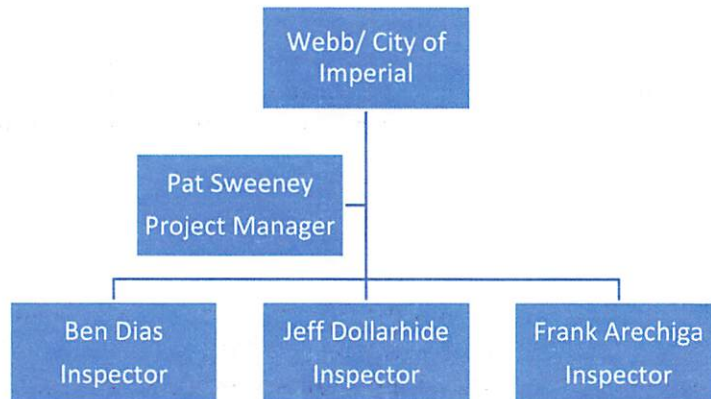


As an example, we have now implemented a proprietary software App called SpecCheck™ that provides our managers and inspectors an automated means of assuring the electronic reporting, delivery, and archiving of our inspection reports. The App is unique to any other in that it not only provides a library of all project documents, but it also has an internal quality control mechanism that assures that field checking are correct, *in real time*. It also gives management an excellent tool to better control all aspects of our inspection projects.

Safety is always our top priority. In addition to the safety requirements of our SSPC-QP5 certification, we are also monitored by four different safety compliance organizations: SSPC, Avetta, BROWZ, and ISNetwork. Each of these organizations provide independent safety compliance programs that continually monitor the implementation of our extensive safety programs. This safety approach is a requirement of many large owners, notably those with projects in refineries and underground. We are routinely audited by both SSPC and ISNetwork in the office and field.

Qualifications of Project Team

It is important for a quality inspection team to understand various tank attributes and testing procedures, but the mark of a good tank inspection team is its ability to foresee problems and remedy them before concerns become reality. This is where the value of our proposed team can provide superior assessment and inspection services to this project. An organizational chart of our proposed team follows:



CSI will complete this assignment using a team approach. Mr. Patrick Sweeney will act as Project Manager throughout the entire contract. He prepared the coating specifications. His personal inspection experience, as well as his history of managing over 1000 inspection projects will provide unsurpassed support and organization to not only the CSI inspector, but also to the project. Mr. Sweeney routinely manages tank coating inspection projects. Mr. Sweeney is certified by both NACE International and SSPC as a Level III Coating Inspector. He is also an SSPC Certified Master Coating Inspector (MCI) and Protective Coating Specialist (PCS) with over 30 years of coating inspection experience. He also reviews submittals, completes corrosion surveys, performs failure analysis, and develops specifications.



Additionally, Mr. Sweeney's expertise with coating inspection has been recognized by *both* NACE and SSPC where he is on different technical committees and is an instructor for both organization's coating inspector training and certification programs. He has instructed over 1000 coating inspectors in formal classroom settings. He is also involved in many different AWWA, NACE, and SSPC technical committees. As an example, he is one of active authors on the AWWA national committee to rewrite and reissue D101 AWWA "Recommended Practice for Inspecting and Repairing...Tanks for Water Storage." These activities allow Mr. Sweeney to often act within the hub for ever-changing technological advances and standards, which routinely has been found to be beneficial to our clients. It is our intent to assign one of our very experienced coating inspectors, Mr. Ben Dias, Mr. Jeff Dollarhide, and Mr. Frank Arechiga are the probable inspectors. Each are NACE III Coating inspectors with extensive experience with water tank projects.

Our team has worked together on projects of this same scope for over 15 years. As our many clients can attest, we take great measures to assure that owners receive a superior product. This allows us to take great pride in the service that we provide our clients. There is no greater means of measuring the qualification of an inspector, project manager, or firm than through its list of successfully completed projects with water storage tank owners. CSI is dedicated to meeting any schedule and our staffing will reflect our excellent reputation for responsive inspections. Our team has worked *together* on projects of this same scope for many years. As our many clients can attest, we take great measures to assure that owners receive a superior product. This allows us to take great pride in the service that we provide our clients. There is no greater means of measuring the qualification of an inspector, project manager, or firm than through its list of successfully completed projects with water storage tank owners. We welcome the opportunity to fully express our expertise in providing these services through an interview process, should it be deemed necessary. We have attached a reference list.

Quality Control/Quality Assurance Implementation

The services will be completed through the implementation of our Quality Control System (QCS). CSI developed and implements this QCS in order to document the company's best business practices, better satisfy the requirements and expectations of its customers, and improve the overall management and operations of the company. The management of CSI fully understands the importance of maintaining quality and control of all company activities and has made this a primary requirement of its business practices.

We developed a Quality Control Manual (QCM) that describes the QCS. The QCM acts as the center piece to our operations. The QCM provides the vision and strategic direction of our firm and establishes quality objectives. It delineates authorities, inter-relationships, and responsibilities of the personnel responsible for performing within the system. The manual also provides procedures for all activities comprising the QCS to ensure that the company meets the highest quality and ethical standards required to meet its mission. The system assures that all personnel, equipment, verification procedures, internal documents, and deliverables are of the highest quality and in accordance with our QCM.



The QCM is used internally to guide the company's employees through the various tasks required that must be met and maintained in order to ensure customer satisfaction, and its goal of providing and maintaining a 100 percent customer satisfaction rating. The system also provides the necessary instructions that create an empowered work force.

The foundation for maintaining the quality of our services is the quality of our personnel. The quality of our personnel is maintained from initiation into the CSI Services culture through to medical surveillance, ranking, training, incentives, and continuous company support. New employees are medically and technically tested and ranked to assure that their abilities and qualifications meet our system requirements. Medical surveillance may include aspects such as vision (i.e. distance visual acuity, color perception), respiratory abilities, drug testing, and blood lead levels. All existing employees are periodically reviewed for performance and ranked for qualifications.

Equipment is routinely evaluated for proper use and calibration by the field inspector, which is QA verified periodically by the Inspection Supervisor. The scope of work for each project is well defined and the product of our services (daily inspection reports) is routinely reviewed by supervisory personnel.

Any deficiencies noted internally or in the form of outside comments are reviewed by the General Manager. All deficiencies or comments are investigated to a proper resolution. Should the resolution involve the development of a new policy, this policy is immediately published and relayed for understanding to all employees.

All aspects of the above program are audited internally through in-house quality assurance procedures, as well as from more than one outside third-party organization that visit our offices and field assignments to check the implementation of our programs.

With the emphasis on the quality that our firm instills, CSI will provide technical as-needed consulting assistance and qualified personnel at pre-job conferences, throughout the progress of projects up to and including final acceptances. These on-call services will deliver independent, professional, and thorough inspection and testing services. The team's engineers, technicians, inspectors will be fully trained for the technical and safety requirements, with calibrated instruments to meet the needs of each assigned task.

CSI will utilize our in-house App called *SpecCheck™* that provides our team an automated means of assuring the electronic reporting, delivery, and archiving of our inspection reports. The App is unique to any other in that it not only provides a library of all project documents, but it also has an internal quality control mechanism that assures that field checking are correct, in real time. It also gives management an excellent tool to better control all aspects of the inspection project.

CSI has found that it can provide its clients the most versatile and technically competent quality assurance program through a team approach. This team of engineers, inspectors, and administrative support personnel allow us to provide an up-to-date, competent, and efficient service product.



May 4, 2022

Scope of Services

CSI will provide quality assurance inspection services during the coating work on the project. CSI will provide technical as-needed consulting assistance and qualified, fully trained and equipped inspectors throughout the progress of the work up to and including final acceptance. CSI will provide an independent, professional, and thorough inspection. CSI will not take any responsibility for the safety of others. The CSI inspectors will check that the Contractor meets all of the coating requirements of the specification.

CSI has found that it can provide its clients the most versatile and technically competent quality assurance program through a team approach. This team of engineers, inspectors, and administrative support personnel allow us to provide an up-to-date, competent, and efficient service product. The duty of this team approach is segmented into two tasks, which frequently overlap. Either the field inspector or the support personnel will complete the various tasks that may be required on this project. These two general segments of the team have been detailed below under two categories: Project Support Activities and Direct Field Inspection Activities.

Project Support Activities

1. CSI will participate in project start-up meetings, weekly job meetings, and any special interest meetings as required to discuss procedures, progress, problems, or outstanding issues.
2. CSI staff will provide any support to the project required to assure that all technical issues and concerns are properly corrected and/or addressed.

Direct Field Inspection Activities

1. The CSI inspector will ensure that the requirements of the Contract Specifications and manufacturer's technical data sheets for the various materials are strictly followed. PDCA P2-04, SSPC, NACE, and ASTM D3276 standard practices will be used a guideline for proper procedures, where not called out in the specification or manufacturer's written PDS's.
2. The CSI inspector will ensure that the requirements of the Contract Specifications and manufacturer's technical data sheets for the various materials are strictly followed. ASTM D3276 will be used a guideline for proper procedures. It is not the intent of our cost proposal to provide a safety inspector to this project. However, CSI will check that the Contractor is following their approved safety plan submitted to the City.
3. Checking of the contractor's compliance with the specifications will be accomplished by performing the following tasks as necessary, with the appropriate calibrated instruments for each:

1964
The following information was obtained from the records of the
Department of the Interior, Bureau of Land Management, on
the subject of the above-captioned land.

The land described in the above-captioned instrument was
originally acquired by the United States Government in 1864
under the provisions of the Act of March 3, 1878, entitled
"An Act to provide for the disposal of the public lands
of the United States."

The land described in the above-captioned instrument was
originally acquired by the United States Government in 1864
under the provisions of the Act of March 3, 1878, entitled
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of the United States."



- a. Condition of Surfaces Prior to Preparation – The CSI inspector will inspect the surfaces to be prepared to assure that grease and oil have been removed, and sharp edges are removed as specified. NACE Standard RP0178 will be used as acceptance criteria where areas are of concern.
- b. Compressed Air Cleanliness – The CSI inspector will check the air quality when production includes abrasive blast cleaning or substrate blow-down procedures. This will be accomplished in accordance ASTM D4285.
- c. Ambient Conditions – The CSI inspector will monitor ambient conditions in accordance with ASTM E337 to assure that final blast cleaning and coating application operations are not completed outside the specified requirements.
- d. Surface Preparation – The CSI inspector will examine the abrasive and equipment used for surface preparation for adequacy to do the work, as specified. Equipment pressures will be monitored. The inspector will check proper storage and size of abrasives, and that the proper degree of cleaning and surface profile or scarification is achieved.
- e. Coating Preparation and Mixing – The CSI inspector will observe the mixing of coatings to assure that all components are added and proportioned correctly and that any induction times are maintained. The inspector will check that any materials used are approved and that they are not used when the pot or shelf lives have been exceeded.
- f. Coating Application – The CSI inspector will examine the application equipment for cleanliness and adequacy to do the work. The inspector will observe application techniques to assure proper coverage without detrimental runs, pinholes, or other visually evident deficiencies. The inspector will make spot checks of the wet film thickness in accordance with ASTM D4414 so that adjustments to the amount of material being applied can be made at the time of application to minimize the amount of rework after the coating has dried.
- g. Dry Film Thickness – The CSI inspector will measure the dry film thickness of each coat to assure that it complies with the specification requirements and manufacturers' instructions. Film thickness will be monitored using a Type II film gage in accordance with ASTM D1186, SSPC-PA2, or as required (i.e. every 100SqFt).
- h. Holiday Detection – CSI will witness holiday detection and confirm performance of 100 percent holiday detection in accordance with NACE International's "Recommended Practice for Discontinuity (Holiday) Testing of Protective Coatings," (RP 0188-99), AWWA D102, and the specified requirements.



Fee Schedule

CSI proposes to provide fulltime inspection on a time and materials basis in accordance with our standard terms and conditions. The fees below include all applicable DIR prevailing wage payments. Our CA DIR No. is 100010187. The fees to provide an inspector to complete the Scope of Services above follow:

Fees

Coating Inspector Field Rates \$ 864.00/day

The above fees are inclusive of expenses.

Although we are not aware of a tank contractor's coating schedule, it is projected that 10 weeks will be required for field work. Working on a time and materials (T&M) basis, it is projected that we can complete the above Scope of Services on a time and materials basis with a not to exceed (NTE) fee of \$43,200.00.

The above estimate is based on experience with hundreds of similar tank projects. Should the coating work take less time by the contractor, our total fee would be based on the actual duration. We would only charge for the time worked, and we would not exceed this NTE fee without authorization.



Ben Dias Inspector



Certifications

SSPC Protective Coating
Inspector (PCI)

Certificate # 22251



NACE International –
Certified Level III Coatings
Inspector Certificate # 24376



Certified SSPC QP5
Level III Coating inspector

SSPC-C3 Certified
Supervisor for Deleading of
Industrial Structures

Safety Certifications

- Fall Protection
- H₂S Entry
- CPR/First Aid
- Confined Space
- Respiratory Protection
- Lead-Abatement

Professional Affiliations

SSPC: The Society of
Protective Coatings

NACE International

American Waterworks
Association

Mr. Dias has been completing coating inspection for over 20 years. Prior to this he was an industrial coater that completed over 75 industrial projects. Mr. Dias has provided QC/QA coating installation verifications on a multitude of different projects including work with water treatment plants, refineries, bridges, storage tanks, pipelines, and amusement parks attractions.

Mr. Dias' experience as a coating inspector includes work with inorganic zincs, epoxies, coal-tar enamels, coal-tar cut-back's, vinyls, urethanes, alkyds, acrylics, vinyl esters, PVC linings, and numerous other generic types of coatings that include 100% solids by volume thick film materials. His experience includes surface preparation techniques that include powertool cleaning, abrasive blasting, hydroblasting, and acid etching in both shop and field operations on substrates that include steel, concrete, aluminum, masonry, and others. This experience includes operations involving airless, conventional, and plural component.

Mr. Dias also has extensive experience with coating inspection instrumentation including pull-off adhesion testers, ultrasonic gages, moisture meters, holiday detectors, hardness gages, pH measuring instrumentation, volt meter and various reference cells. He is intimately familiar with numerous NACE, SSPC, and ASTM standard test practices. A partial listing of various coating and lining projects that he has worked follow:

- Poseidon/San Diego County Water Authority - Carlsbad Desalination Plant
- Placer County Water Agency – Three Water Storage Tanks
- Aera Energy – Four Storage Tanks
- Valencia Water Company - Three Water Storage Tanks
- British Petroleum, Long Beach - Three Storage Tanks
- City of Burbank – Clarifier and Vessels
- Golden State Water Co. - Two Water Storage Tanks
- Monterey RWPCA – Concrete Structure Rehabilitation
- City of Greenfield – Two Storage Tanks
- Sanitation District of Los Angeles County - Numerous Structures
- City of Vista – Water Park Slide Rehabilitation
- Newhall County Water District - Water Storage Tanks
- City of Simi Valley – Water Storage Tanks
- University of California at Los Angeles – Acid Vessel
- Inyo County - Two Water Storage Tanks
- Eastern Municipal Water District – Four Water Storage Tanks
- City of Fullerton – Two Water Storage Tanks
- Vintage Petroleum – Numerous Storage Tanks
- City of Westborough – Two Water Storage Tanks
- Chevron Pipeline Co. – Four Vessels
- Monterey County – Ocean Seawall Rehabilitation
- State of Hawai'i - Aloha Stadium Recoating Project

List of additional projects available upon request

Corporate Office • P.O. Box 801357 Santa Clarita California 91380 • 877.274.2422

Hawaiian Office • P.O. Box 671, Aiea, HI 96701

Northern California Office • P.O. Box 371, Sonoma, CA 95476

<http://www.CSIServices.biz>



Jeff Dollarhide Inspector



Professional Certifications

NACE International –
Certified Level 3
Coatings Inspector
(No. 52772)



SSPC QP5 Level 3
Coating Inspector

SSPC Protective
Coating Inspector Level 2

Safety Certifications

- Fall Protection
- H₂S Entry
- CPR/First Aid
- Confined Space
- Respiratory Protection
- Lead-Abatement

Special Training

- SSPC C-3 Certified
- SSPC C-5 Certified
- SSPC C-7 Certified
- SSPC C-12 Certified
- Airborne Medic USArmy

Professional Affiliations

- SSPC: The Society of Protective Coatings
- NACE International
- American Water Works Association

Mr. Dollarhide is an industrial coating inspector with over 20 year of experience. He has been intimately involved in numerous coatings projects involving both concrete and steel structures for many utilities, agencies, and owners. This experience primarily includes work on storage tanks, pipelines, and structural steel for the water, wastewater, and petrochemical industries.

Mr. Dollarhide's experience as a coating inspector includes work with inorganic zincs, epoxies, coal-tar enamels, coal-tar cut-back's, vinyls, urethanes, alkyds, acrylics, vinyl esters, PVC linings, and numerous other generic types of coatings that include 100% solids by volume thick film materials. His experience includes surface preparation techniques that include powertool cleaning, abrasive blasting, hydroblasting, and acid etching in both shop and field operations on substrates that include steel, concrete, aluminum, masonry, and others. This experience includes operations involving airless, conventional, and plural component.

Mr. Dollarhide also has extensive experience with coating inspection instrumentation including pull-off adhesion testers, ultrasonic gages, moisture meters, holiday detectors, hardness gages, pH measuring instrumentation, volt meter and various reference cells. He is intimately familiar with numerous NACE, SSPC, and ASTM standard test practices. A partial listing of various coating and lining projects that he has successfully completed follow:

- Poseidon/San Diego County Water Authority – Carlsbad Desalination Plant
- Inland Empire Utilities Agency – Tank and Digester Projects
- Miramar College - Campus Expansion Project
- Point Loma Naval Base - Fuel Pier Replacement
- Orange County Sanitation Department – Various Projects
- Edwards Air Force Base – Multi Tank Coating Project
- Otay Water District - Multi Tank Coating Project
- Helix Water District – Archimedes Screw Recoating Project
- San Diego County Water Authority – San Vicente Dam & Pipeline Projects
- Joint Base Pearl Harbor Hicham – Tank Coating Projects
- Integrated Quality Services – Fueling System Pipe Coating Project
- Eastern Municipal Water District – Tank Coating Projects
- Santa Clarita Valley Water Agency – Tank Coating Project
- Vandenberg Air Force Base – Various Tanks and Launch Complexes
- FLC Manchester, Port Orchard, WA – Various Fuel Storage UST's and AST's

List of additional projects available upon request

Corporate Office • P.O. Box 801357 Santa Clarita California 91380 • 877.274.2422

Hawaiian Office • P.O. Box 371 Aiea, HI 96701

Northern California Office • P.O. Box 371 Sonoma, California 95476

<http://www.CSIServices.biz>



Frank Arechiga Inspector



Professional Certifications

NACE International Certified
Level 3 Coatings Inspector
Certificate #9098



SSPC QP5, Level 3 Coating
Inspector

Safety Certifications

- Fall Protection
- H₂S Entry
- CPR/First Aid
- Confined Space
- Respiratory Protection
- Lead-Abatement

Professional Affiliations

SSPC: The Society of
Protective Coatings



NACE International



American Waterworks
Association



Mr. Arechiga is an industrial coating inspector that follows a career as an industrial painter. He has been intimately involved in numerous coatings projects involving both concrete and steel structures for many utilities, agencies, and owners. This experience primarily includes work on storage tanks, pipelines, and structural steel for the water, wastewater, and petrochemical industries.

Mr. Arechiga's experience as a coating inspector includes work with inorganic zincs, epoxies, coal-tar enamels, coal-tar cut-back's, vinyls, urethanes, alkyds, acrylics, vinyl esters, PVC linings, and numerous other generic types of coatings that include 100% solids by volume thick film materials. His experience includes surface preparation techniques that include powertool cleaning, abrasive blasting, hydroblasting, and acid etching in both shop and field operations on substrates that include steel, concrete, aluminum, masonry, and others. This experience includes operations involving airless, conventional, and plural component.

Mr. Arechiga also has extensive experience with coating inspection instrumentation including pull-off adhesion testers, ultrasonic gages, moisture meters, holiday detectors, hardness gages, pH measuring instrumentation, volt meter and various reference cells. He is intimately familiar with numerous NACE, SSPC, and ASTM standard test practices. A partial listing of various coating and lining projects that he has worked follow:

- Jurupa Community Services District – lift station
- Otay Water District – numerous water storage tanks
- Sweetwater Authority - Chlorine Tank
- San Diego Crime Lab Steel Canopies
- MCAS Miramar Concrete Protection Project
- City of Carlsbad - Conveyance Pipeline Coating Project
- Ramona Municipal Water District – Numerous Tanks
- NAS North Island - Tanks T-1B and Tank T-8
- Navy Base San Diego – Tanks 201 and 203
- Navy Base Point Loma Fuel Pier Pipeline Project
- MCAS Miramar to Point Loma Pipeline
- MCAS Miramar to Point Loma Pipeline
- Tinker AFB, Numerous Tank and pipeline projects
- City of Carlsbad - Carlsbad Desalination Plant
- MCAS Miramar to Point Loma Pipeline
- El Dorado Hills ID – Bass Lake Water Storage Tank
- San Aliso Joint Power Authority – Numerous tanks
- Eastern Municipal Water District – Numerous tanks
- Yuima MWD - 5 MG Water Storage Tank

Corporate Office • P.O. Box 801357 Santa Clarita California 91380 • 877.274.2422

Hawaiian Office • P.O. Box 671, Aiea, HI 96701

Northern California Office • P.O. Box 371, Sonoma, CA 95476

<http://www.CSIServices.biz>



Patrick C. Sweeney Short Form CV for Storage Tanks



Education

Bachelor of Science Degree,
California State University at
Los Angeles

Certifications



SSPC – Certified Protective Coatings
Specialist #887-792-1267



NACE International –
Certified Coatings Inspector Level III
Certificate #4324

Instructor for NACE International
Coating Inspector Program



SSPC – Certified Protective Coating
Inspector (PCI) Level III #21886

SSPC – Certified Concrete Coating
Inspector (CCI) Level III #94681

SSPC – Certified Master Coating
Inspector (MCI) #MCI0031

Instructor for SSPC's PCI Program

Instructor for SSPC's C-1

"Fundamentals of Coating on Industrial
Structures."

Instructor for SSPC's C-2 "Specifying
and Managing Protective Coatings
Projects."

SSPC-C3 Certified Supervisor for
Deleading of Ind. Structures

SSPC-C7 Fundamentals of Dry
Abrasive Blast Cleaning

Certified Linabond Copolymer
Inspector

Certified Ameron T-Lock/Arrowlock
Inspector

Associations

AWWA – Member D101 Revision
Committee

Cal-Nev Multi-year Chairman of
-Tanks, Reservoirs, & Structures
Maintenance Committee and Corrosion
Control Committee

SSPC
SoCal/SoNev Chapter Chairman
(2003 - present)

NACE International (CI Trustee)

ACI, ICC (ICBO), WEFTEC, and CRWA

Mr. Sweeney has worked for over 30 years as a coating inspector and/or project manager verifying the quality of coating or lining inspection projects in water, wastewater, and petrochemical environments. Mr. Sweeney has been involved in over 4000 tank projects. He also routinely completes maintenance and corrosion surveys, develops specifications, and completes coating failure analysis. A partial listing of storage tank projects that he successfully completed follow:

Santa Clarita Valley Water Agency Inspector and/or Project Manager during the construction or maintenance of over 160 different steel water storage tank projects. These assignments included the development and implementation of a tank maintenance program following both dry and underwater surveys (over 200 dive inspections), work prioritization, budgeting, specification development, and in-process inspection services.

Eastern Municipal Water District - Mr. Sweeney acted as Project Manager and/or field inspector during the lining/painting of over 75 different water storage tanks and various wastewater facilities

U.S. Department of Defense - Inspector and Project Manager during the corrosion and lining evaluations of over 350 steel, concrete, and plastic storage tanks located throughout the Continental U.S., Hawaii, and Wake Island.

U.S. Department of Energy - Project Manager during the maintenance of five different steel storage tanks located at the Nevada Test Site (Yucca Mountain & Areas 12, 24, 15, and 18). The project involved the corrosion evaluation, professional certification, and the inspection of the recoating of each tank.

City of Long Beach, CA - Inspector and/or Project Manager during the evaluation of 32 different steel water storage tanks, which included the development of a tank maintenance program following both dry and underwater surveys, work prioritization, and budgeting.

Honolulu International Airport, HI - Project Manager/Inspector during the assessment of 45 large capacity fuel storage tanks. The assignment included evaluations, engineering and design, and inspection services as part of a Master Tank Maintenance Plan.

U.S. Navy - Project Manager during the relining of numerous welded steel storage tanks at over 35 different military installations throughout the country. Highlighted work includes the coating of the Red Hills Fuels Complex, Hawaii a facility listed as the third most significant engineering achievement in the U.S.

Mr. Sweeney has also been intimately involved in coating projects for clients such as Army Corp of Engineers, Golden Gate Bridge, Lawrence Livermore Laboratories, NASA, Disney, Southern California Edison, PG&E, Department of Water Resources, Grant County PUD, LA MTA Subway, British Petroleum, City of Carlsbad, Crystal Cruises, Trona Trainlines, City of San Diego, City of Simi Valley, Texaco, Sea World, Ramona MWD, LA DWP, City & County of San Francisco, Jet Propulsion Laboratory, Orange County Sanitation District, ExxonMobil, City of Bakersfield, City of Hayward, Port of San Diego, Shell Oil, Bechtel, Los Angeles County Sanitation District, Port of Long Beach, and others.

A more comprehensive listing, including a long form CV of other types of projects is available upon request.

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CSI Services, Inc
of
Santa Clarita, CA

*has met or exceeded the requirements set forth in the
AMPP QP Accreditation Program for*

**COATING AND LINING INSPECTION
COMPANY ACCREDITATION
SSPC – QP 5**



A handwritten signature in black ink that reads "Helena Subinger".

.....
Executive Director, AMPP

.....
March 31, 2022 – March 31, 2023

.....
Validation Period

Accreditation for dates listed above to CSI Services Inc. Santa Clarita, CA
Owners are advised to contact 412-281-2331 ext. 2209 or qpinfo@ampp.org to verify authenticity of accreditation.

Corporate Headquarters: Houston – 15835 Park Ten Place, Houston, TX 77084
Pittsburgh – 800 Trumbull Drive, Pittsburgh, PA 15205